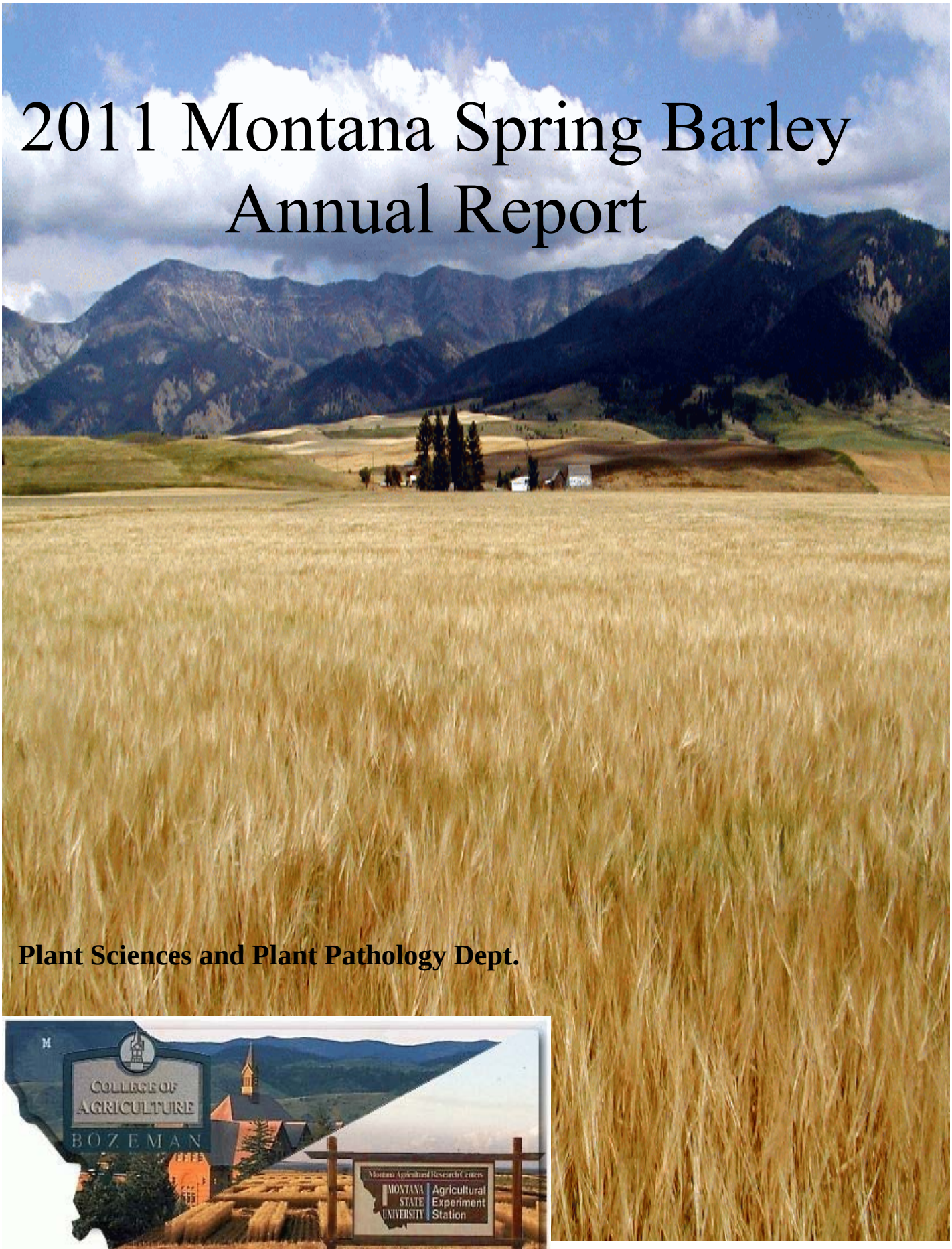
2011 Montana Spring Barley Annual Report



Plant Sciences and Plant Pathology Dept.

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2002-2011 Spring Barley Summary Report

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MONTANA
STATE UNIVERSITY

DATE: January 26, 2011

TO: Variety Release and Recommendation Committee Members

FROM: John Sherwood, Chair

Re: 2011 Minutes and Committees

Chair: John Sherwood, Department Head PSPP
Secretary: Irene Decker, Administrative Assistant, PSPP

Present: John Sherwood, David Weaver, Phil Bruckner, Jim Berg, Jerry Bergman, Joe Scianna, Jack Martin, John Miller, Becky Mahurin, Mike Giroux, Luther Talbert, Qasim Khan, Ron Larson, Jim Kulish, Heather Rimel, Tom Blake, Jake Heen, Susan Lanning, Dennis Cash, Hwa-Young Heo, Bob Stougaard, Melvin Goffena, Norm Weeden, Karnes Neill, Chet Hill, Alan Dyer, Tracy Dougher, Julia Dafoe, Darrin Boss, Peggy Lamb, Joy O. Garcia, Gigi Opena, Olga Walsh, Yukiko Naruoka, Bernard Schaff, Stan Bates, John McDonnell, and Irene Decker

Crop Science

Entomology

Horticulture

Plant Biology

Plant Genetics

Plant Pathology

Not in attendance: Kevin Bradley and Heather Mason; Alan Dyer filled in for Mary Burrows; Darrin Boss filled in for Gregg Carlson, Jerry Bergman filled in for Joyce Eckhoff and Perry Miller and Fabian Menalled submitted their input to David Weaver and their votes to John Sherwood.

Agenda

1. Approval of 2010 Minutes Variety Release and Recommendation Committee(s)
2. Discuss and vote on the motions put forth by the following committees in the order given: Wheat, Barley Forage, Specialty, and Horticulture and Native Plants

Wheat

Phil Bruckner and Jim Berg

That Decade hard red winter wheat be recommended for production in Montana cropping districts 3, 4, 5, and 6.

That MTS0713 solid-stem hard red winter wheat be approved for release in 2011. That MTS0713 be named 'Judee' in honor of long-term extension educator and colleague Judee Wargo. And that Judee be recommended for wheat stem sawfly-infested areas of districts 3, 4, and 5.

That MTS0721 solid-stem hard red winter wheat be approved for release in 2011. That MTS0721 be named 'Bearpaw' denoting its area of derivation and adaptation. And that Bearpaw be recommended for wheat stem sawfly-infested areas of districts 3, 4, and 5.

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Luther Talbert and Susan Lanning
A motion to remove Westbred 926 from the Montana recommended hard red spring wheat variety list (effective February 2011)
A motion to release MT 0832 hard red spring wheat (effective 2011). We propose MT0832 be released with PVP Title V protection.

Dale Clark and Craig Cook
A motion that WB-Gunnison be recommended as a hard red spring wheat for dryland in districts 3, 4, 5, and 6 (updated 1/24/11).

Barley
Tom Blake
That Hockett be recommended for production as a malting barley under both dryland and irrigated conditions in all regions of Montana.

David Wichman
A motion to release MT981429 as a PVP variety to be sold to a private seed company/plant breeding company.

Miscellaneous Business
John Sherwood/Ron Larson/Bill Grey
Jeff Jacobsen has asked that the following topics be brought up and discussed at the meeting:

- Seed Lab bill SB 195; legislation to change the way Seed Lab fees are changed. (Ron Larson)
- Is the current Foundation Seed program and operation structured for success, or should some other approach be considered? (Bill Grey)
- Research Fee update and discussion – historical overview (including its stated purpose), detailed income and expenditures to date, how does the current research fee level compare to other states and private sector? (John Sherwood, Bill Grey)

David Wichman
- Should number 2 (second best) be offered up for sale or tossed.
- Merits and methods for transferring unconventional genetic line(s) to Ag market entrepreneurs.

J. Sherwood – Is there a motion to approve minutes from 2010 Variety Release meeting?

J. Bergman – Made a motion to approve the minutes from the 2010 meeting

David Weaver – Seconded the motion

Vote: 15 for and 0 against

Wheat

2011 Variety Release Committees

Wheat Variety Release Committee		
Voting Members, 16	***Affiliation***	***Appointing Administrator***
Chair , John Sherwood	*PSPP Head*	*Director MAES*
1. Phil Bruckner-spring Luther Talbert-winter	Breeder	PSPP Head
2. Mike Giroux	Quality - Cereal or Forage	PSPP Head
3. Alan Dyer for Mary Burrows	Plant Pathologist	PSPP Head
4. Bill Grey	Manager	MT Foundation Seed Program
5. Ron Larson	Manager	MT Seed Growers Association
6. Fabian Menalled	Weed Scientist	LRES Head
7. Perry Miller	Cropping systems	LRES Head
8. David Weaver	Entomologist	LRES Head
9. Darrin Boss for Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11.John Miller		WTARC Superintendent
12. Heather Mason		NWARC Superintendent
13. Jerry Bergman for Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Keven Bradley	Chair	MAES Advisory Board
16. Melvin Goffena		Montana Wheat and Barley Comm.
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Phil Bruckner - *Moved that Decade hard red winter wheat be recommended for production in Montana cropping districts 3, 4, 5, and 6.*

D. Wichman – Seconded the motion

P. Bruckner – Decade was approved for release last year at this meeting. Foundation Seed has distributed Decade seed in Montana and North Dakota. Decade is high yielding and winter hardy with good stem rust resistance. Decade has good bread-making quality.

Vote: 15 for and 0 against

Phil Bruckner - *That MTS0713 solid-stem hard red winter wheat be approved for release in 2011 and recommended for production in wheat stem sawfly-infested areas of districts 3, 4, and 5.*

R. Larson – Seconded the motion

J. Sherwood – We don't need to consider the name at this point, we only need to consider whether it be released and in what districts.

P. Bruckner – MTS0713 is intended as a potential replacement for Genou. It is more solid than Genou, but not as solid as Rampart which is the standard for solidness; and it has about a 4 bu per acre yield advantage over Genou. It is a semi-dwarf line, on average 3 inches shorter than Genou and Rampart. As far as sawfly cutting, it is most similar to Genou. Quality wise, the milling and baking quality data looks good.

D. Weaver –In Table 1, what is the difference between % lodging and % sawfly cutting?

J. Berg – The lodging mean is independent of sawfly cutting and is data primarily collected under high yield conditions like Kalispell.

J. Sherwood - Any other comments?

B. Grey – Last year at Kalispell, they had significant stripe rust infestation and MTS0713 was resistant.

P. Bruckner - 713 has good stripe rust resistance, but is susceptible to stem rust.

Vote – 15 for and 0 against

P. Bruckner - We plan to call this variety 'Judee'. We have checked with everyone concerned including Judee Wargo's family and they have approved the name also.

Phil Bruckner - *That MT20721 solid stem hard red winter wheat be approved for release in 2011 and recommended for production in wheat stem sawfly-infested areas of districts 3, 4, and 5.*

B. Grey – Seconded the motion

P. Bruckner – The name 'Bearpaw' has been proposed and cleared by all those concerned. We believe it is appropriate because of the area we are targeting for this cultivar, north-central Montana.

721 is a more natural replacement for Rampart. Although it does not have quite as much yield potential as 713, it is a definite improvement as far as yield over Rampart. It is very solid like Rampart and will stand up to sawfly cutting. Based on 42 locations of yield data, 721 yielded seven bushels per acre more than Rampart and 3.8 bu/acre more than Genou on statewide basis. It is resistant to stem rust, but not stripe rust. The most dramatic response to wheat stem sawfly occurred at Loma, an off-station nursery, in 2010. At Loma, which was severely infested by sawfly, average cutting by sawfly was 95% in 15 hollow-stem lines, 63% in 4 semi-solid lines (including Judee and Genou), and 8% in five solid-stem lines (including Rampart and MTS0721). We need to diversify the solid-stem

cultivars in the state and for that reason I would recommend release of multiple lines this year. The quality is not as good as we would like; but is similar to other lines that are grown in Montana like Neeley and Rocky, which have been acceptable.

B. Mahurin – Will this variety be PVPed?

P. Bruckner – We recommend that it should be.

J. Sherwood – Basically all varieties that we put out there are PVPed.

J. Bergman – What variety would you recommend?

P. Bruckner – I would recommend 721 in areas where they have the worst cutting problems like Loma had last year. If there is a more moderate level of sawfly cutting, then I would recommend Judee.

J. Sherwood to David Weaver – Remind me how solid stem imparts resistance to wheat stem sawfly.

David Weaver – Resistance to wheat stem fly results since the solid stem kills eggs and larvae in the stem.

J. Sherwood to David Weaver – Will sawfly infestations decrease if solid stem varieties are grown in an area?

David Weaver – If it was a large area, yes; it would have an impact.

Vote: 15 for and 0 against

Luther Talbert and Susan Lanning - *A motion to remove Westbred 926 from the Montana recommended hard red spring wheat variety list (effective February 2011)*

D. Wichman – Seconded the motion

L. Talbert – There are better varieties available.

J. Sherwood – So they are not going to be selling 926 anymore?

L. Talbert – It is probably not sold now.

Vote – 15 for and 0 against

Luther Talbert - *A motion to release MT0832 hard red spring wheat (effective 2011). We propose MT0832 be released with PVP Title V protection.*

D. Wichman – Seconded the motion

L. Talbert - Working on two main traits in the spring wheat program: Solid stems and leaves staying green longer. Vida was the first variety released with that trait. MT0249, sister of Vida, also had this characteristic and basically performed as well or better than Vida. We made a lot of crosses, including MT0249 by Choteau, selecting for a longer green period. MT0832 has solid stems and is a little taller than Choteau and easier to thresh. 832 was tested alongside other varieties and the last three years, yield performance was very good; only Vida was better. It had good stem solidness and was one inch taller than Choteau. 832 has done very well in off station nurseries even with saw fly pressure. It was tested with several other varieties and it did have stronger gluten than other lines. We chose this one because of the overall quality.

J. Sherwood - Comments?

M. Giroux – How do you measure threshing quality?

L. Talbert - Rub it in your hands and see if your hands are bleeding.

S. Lanning – We do look in the bags.

LT – It is easy to tell if it is easy to get the grain out.

M. Giroux – Is that a maturity issue related to the stay green trait?

L. Talbert – No, it is not related to maturity or stay green. I am not sure why Choteau is hard to thresh out, but it is.

D. Wichman – It is important not to go too far the other way or they shatter.

Vote: 15 for and 0 against

L. Talbert – In terms of names we chose 'Duclair' because that was the name of a small town in Montana west of Turner that existed from 1916 – 1918.

B. Grey – West of Turner is a sawfly area so that is appropriate.

Luther Talbert presented the following motion for Dale and Craig.

Dale Clark and Craig Cook - A motion that WB-Gunnison be recommended as a hard red wheat for dryland in districts 3, 4, 5, and 6 (updated 1/24/11).

R. Larson – Seconded the motion

L. Talbert – Westbred has led the way in developing varieties with resistance caused by the fact that females tend to stay away as far as laying eggs.

D. Weaver – The mechanism is called "relative antixenosis" and refers to situations where female sawflies can make a choice to lay an egg in a variety that they like

more or to not lay an egg if they like it less. There are very few lines that are consistently unlikely to receive eggs when there are choices that can be made. We've identified this pattern in a small set of spring wheat varieties, almost all developed by Westbred, and Gunnison appears to be the newest member of this type. So, I suggested alternate language when I saw the initial motion using the term 'tolerance', which refers to an entirely different type of host plant resistance and is technically incorrect.

J. Sherwood – Westbred was very happy to change the wording and did change the wording.

L. Talbert – We have data from spring wheat trials grown across the state. Gunnison is very similar to Corbin agronomically, but has done a little better than Corbin as far as not attracting wheat stem sawfly.

Vote: 15 for and 0 against

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J. Sherwood – David Weaver asked for a motion that makes this clear so please read the motion David.

D. Weaver – *I move that in cases where hollow stem varieties show what is called "relative antixenosis" or resistance by non-preference where the lack of cutting is due to decreased oviposition it is recommended that the following language be adopted for consistency: "This variety is not solid-stemmed, but has high yields under sawfly pressure due to relative non –preference in small plot nursery trials".*

D. Weaver - It is important to have consistent language in order for things to be clear in the future.

B. Stougaard – Seconded the motion

Vote – 15 for and 0 against

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Barley

Barley and Oats Variety Release Committee		
Voting Members, 16	***Affiliation***	***Appointing Administrator***
Chair, John Sherwood	*PSPP Head*	*Director MAES*
1. Tom Blake/Phil Bruckner	Breeder	PSPP Head
2. Mike Giroux	Quality - Cereal or Forage	PSPP Head
3. Alan Dyer for Mary Burrows	Plant Pathologist	PSPP Head
4. Bill Grey	Manager	MT Foundation Seed Program
5. Ron Larson	Manager	MT Seed Growers Association
6. Fabian Menalled	Weed Scientist	LRES Head

7. Perry Miller	Cropping systems	LRES Head
8. David Weaver	Entomologist	LRES Head
9. Darin Boss for Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11. John Miller		WTARC Superintendent
12. Bob Stougaard		NWARC Superintendent
13. Jerry Bergman for Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Kurt Kammerzell	Chair	MAES Advisory Board
16. Melvin Goffena 16. Mike Davis	Barley Feed Barley Malt	Montana Wheat and Barley Comm. American Malting Barley Association
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Tom Blake - *That Hockett be recommended for production as a malting barley under both dryland and irrigated conditions in all regions of Montana.*

A. Dyer – Seconded the motion

J. Sherwood - This was released last year; there is additional data if anyone wants it.

Vote: 15 for and 0 against

Forage

Forage Crop Variety Release Committee		
Voting Members, 16	***Affiliation***	***Appointing Administrator***
Chair, John Sherwood	*PSPP Head*	*Director MAES*
1. Norm Weeden	Breeder	PSPP Head
2. Dennis Cash	Quality - Cereal or Forage	PSPP Head
3. Alan Dyer for Mary Burrows	Plant Pathologist	PSPP Head
4. Bill Grey	Manager	MT Foundation Seed Program
5. Ron Larson	Manager	MT Seed Growers Association
6. Fabian Menalled	Weed Scientist	LRES Head
7. Perry Miller	Cropping systems	LRES Head
8. David Weaver	Entomologist	LRES Head
9. Darin Boss for Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11. John Miller		WTARC Superintendent

12. Heather Mason		NWARC Superintendent
13. Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Kurt Kammerzell	Chair	MAES Advisory Board
16. Joe Scianna for Roger Hybner		Bridger Plant Materials Ctr. Manager
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

David Wichman - *A motion to release MT981427 as a PVP variety to be sold to a private company/plant breeding company.*

D. Cash – Seconded the motion

The private seed industry requested this. Lavina is higher yielding at lower levels, but this variety is generally higher yielding under irrigated conditions. Lavina had higher grain yield than Haybet; this variety has slightly better yield than Lavina.

T. Blake - Is there any chance that Circle S would end up undercutting Foundation Seed sales?

D. Wichman – I don't see this as a loss to Montana. Lavina is not PVPed and whether this variety is going to be PVPed would be up to who bought it.

J. Sherwood - Forages have a lower threshold for data collection and there is not sufficient data for protecting the variety which is the practical reason for not PVPing it. The procedure is that if a variety is recommended for release and considered for license, it would go to the Dean and then if accepted, the license committee would meet and they would want to know if there was an industry partner that had expressed interest. At that point, the Technology Transfer Office sends out for bids and the variety would be licensed to the highest bidder.

D. Wichman - We have a very small quantity of seed. Data is from thirteen locations over approximately four years.

J. Sherwood – If the licensee wanted to do the additional work and PVP it, could they? This would be part of the licensing process.

B. Mahurin – It is typical to have them pay for PVP. Has this been made public at all? Does this still qualify for PVP?

D. Wichman – No

J. Bergman – When is it available?

J. Sherwood – After it is released to Foundation Seed, it goes to public when there is a larger amount of seed.

P. Bruckner – Are there any cases where we sell technology instead of licensing technology?

B. Mahurin – There is one case that involves someone in this room where they are considering a one time license fee, but that is very unusual. If this one comes to fruition, it will be first time in my 20 years this has happened.

B. Grey – How is this line distinguished from Hayes or Lavina, in terms of the morphological characters?

J. Bergman – Would you release it before you have seed for Foundation Seed?

J. Sherwood – When would you have sufficient seed to turn it over to the licensee?

J. McDonnell – If all there is only a pound, we are OK with that.

J. Sherwood – All we are voting on today is whether or not to release

Vote: 14 for and 0 against

Miscellaneous Business
Dean Jeff Jacobsen asked that we discuss the following three items:

- *Seed Lab Bill SB 195; legislation to change the way Seed Lab fees are charged. (Ron Larson).*

Ron described legislation that is being forwarded to address the issues of increasing Seed Lab fees without going through the Department of Agriculture, as is now the case. Instead, fees would be established with a Seed Advisory Committee, made up of various industry and university representatives.

- *Is the current Foundation Seed program and operation structured for success, or should some other approach be considered? (Bill Grey)*

Bill Grey described the function of Foundation Seed and how they are governed by the Foundation Seed Committee. Foundation Seed has doubled in bushels sold in the last six years compared to the previous six. This can be, in large part, attributed to the practice established six years ago to PVP wheat and barley varieties developed at MSU. Unfortunately, there are no new people on the stations except for temporary labor, which has strained the system.

Different states have different systems; South Dakota is a model that we could look at. North Dakota and Washington are more unique so South Dakota is a better model for us. There is a great amount of respect for Montana and the varieties we produce. 80% of all planted acres in Montana are planted with MSU varieties. CIA in South Dakota receives release of varieties and they market them to growers. This is somewhat separate from the university but there are ties through

memorandum of agreements for salary, land, equipment. South Dakota has a royalty collection stream just like we do.

The Seed Advisory Committee meets tomorrow morning to talk about keeping enough seed for Foundation Seed to deal with. The committee consists of Jim Kulish, Joe Scianna, Phil Bruckner, Ron Larson, John McDonnell and John Sherwood.

- *Research Fee update and discussion – historical overview (including its stated purpose), detailed income and expenditures to date, how does the current research fee level compare to other states and private sector? (John Sherwood, Bill Grey)*

John described the history of establishing the Variety Release Policy in 2004 that led to the establishment of Research Fees. Following is part of the Variety Release Policy that tells how fees should be used.

> "A Research Fee will be collected on all Registered Class and Certified Class seed sold of Protected Public Release varieties of wheat or barley (only option F.2.b.). The MAES Director will establish a MSU designated fund for protection of PVP Title V varieties. This will be distributed as follows: 1) pay for costs associated with PVP Title V and fees (administrative and MAES), 2) 50% of net to inventor and, 3) 50% of net to fund high priority programs for variety improvement, cereal quality and focused outreach."

The use of fees between then and now was described, including how the administrative costs have been spent (administration of program, paying for PVP of new varieties, membership in Farmers yield Initiative). We are developing a system to send out a request for people to apply to us for use of those funds. The primary criteria are that it was used in variety development and improvement.

A discussion on whether varieties other than the "best" should be made available to the public was initiated by Dave Wichman.

<u>David Wichman</u>

- *Should number 2 (second best) be offered up for sale or tossed.*

- *Merit and methods for transferring unconventional genetic line(s) to Ag market entrepreneurs.*

J. Sherwood – This is an open discussion and we will not vote. A consensus of feelings will be recorded and we will make those known to the Dean and whoever else needs to know.

D. Wichman – The Agricultural Experiment Stations can keep #1 and #2 should be offered up for sale to some other seed company if they want it. Sometimes our#2 is better than anything else out there. If our ultimate goal is to serve the producers out there, why not give them the best thing we have to sell? Why do we want to compete with Foundation Seed Program. We should not worry about Foundation

Seed Program before we worry about growers. We should not leave something good on shelf and let growers grow something inferior.

B. Mahurin - Why don't we try to license the best variety instead of the second best?

J. Sherwood – This decision was made several years ago; our best varieties would be released as protected public varieties.

B. Mahurin – We don't have to exclusively license.

J. Sherwood – The paragraph read earlier has been the rationale behind all of our decisions. The new variety must be at least as good as or better than the current recommended varieties.

P. Bruckner – A lot of us have significant grower support through check off funding and a lot of those growers would at least favor public release.

D. Wichman – This has been successful, they have become most popular in the state. Private companies still have their niche; let them have #2 instead of # 3 or #4.

B. Mahurin – Should we provide non exclusive licenses to "Jones and Company"? Is there an advantage to doing that?

K. Kephart – A variety loses its notoriety. This is a fairly common practice; Purdue does this all the time.

B. Mahurin – I can see advantages to both ways. We need to support the breeding programs and research fees to that. Is it good to get seed varieties to farmers at better prices because of competition?

J. Sherwood – Lavina does better in some situations than 1427, but 1427 may be better on irrigated and higher production environments. This would be a great way to move 1427, how long has it been sitting idle; why not do something with it?

B. Mahurin - Can we release a variety that is not as good as another?

J. Sherwood - We are always willing to consider ways in which they may differ. Today Phil offered two varieties that are not that different so we look at solid stems individually because it has a unique trait. Is there always a variety that is better under certain situations? Dave, give me a situation where it is better than Lavina? If not better in any way, we should not even be looking at it.

B. Mahurin - Are we looking at changing the policy?

J. Sherwood - Crops that are not PVPed and protected are not competing with royalty fees. There is a difference between PVP varieties we protect and common releases.

M. Goffena – As things unfold, there are going to be some very interesting topics come up and as small companies, we need to protect university systems and growers, but not totally stop progress. With the hay barley situation, we need to keep an eye on breeding/gmo issues.

D. Wichman – Is this generally an acceptable policy?

J. Sherwood – I see differences between protected public release and the situation we just went through with hay barley.

N. Weeden – Two varieties are very similar, but they are used in different habitats. That is what breeding is all about.

J. Sherwood – We would consider them separate. A few years back, Phil brought forth two varieties and they were both recommended for approval and they went to the PVP Committee and Yellowstone was approved and the other was not because they were not sufficiently different.

D. Cash – Instead of calling it second best, we should call them cohort varieties.

B. Mahurin – I am a capitalist. If we have two things to sell, sell them; everyone has their brand preference so producers would end up preferring different varieties.

A. Dyer – Montana brand is very valuable.

P. Bruckner – We haven't really considered two identical ones this year. The ones we are comparing are the top two, but they are not identical.

D. Wichman – Sometimes there is a unique character in species, but not readily marketable quality such as Bob Quinn and his Kamut. This has been a boon for him in his niche market. Should there be a mechanism where we could offer this unique crop line for sale? Say a purple aleurone hulless barley; is there a way we could sell a lb to an entrepreneur?

D. Cash - Can we release it as a germplasm?

J. Sherwood – None of this would go through this committee from the way Dave Wichman is describing it.

P. Bruckner – We have never put germplasm releases before this Committee. There is no formal mechanism for that.

L. Talbert – Dean would have to sign off on it.

P. Bruckner – They need to have germplasm name for variety they are planning to release.

B. Grey – The naming can be parallel with native plant materials and leave it as germplasm with a name associated with the release.

J. Scianna – Germplasm is tricky; a line may have no testing at all and they are referred to as prevarietal releases in the USDA depending on how you use them. There is a possibility of releasing it that way, as a prevarietal germplasm.

K. Kephart - How do you make a buck off this? Anyone can send in seed to a national collection for others to use.

D. Weaver – I think I have my answers.

J. Sherwood – Is there a motion to adjourn?

B. Grey - Motion to adjourn

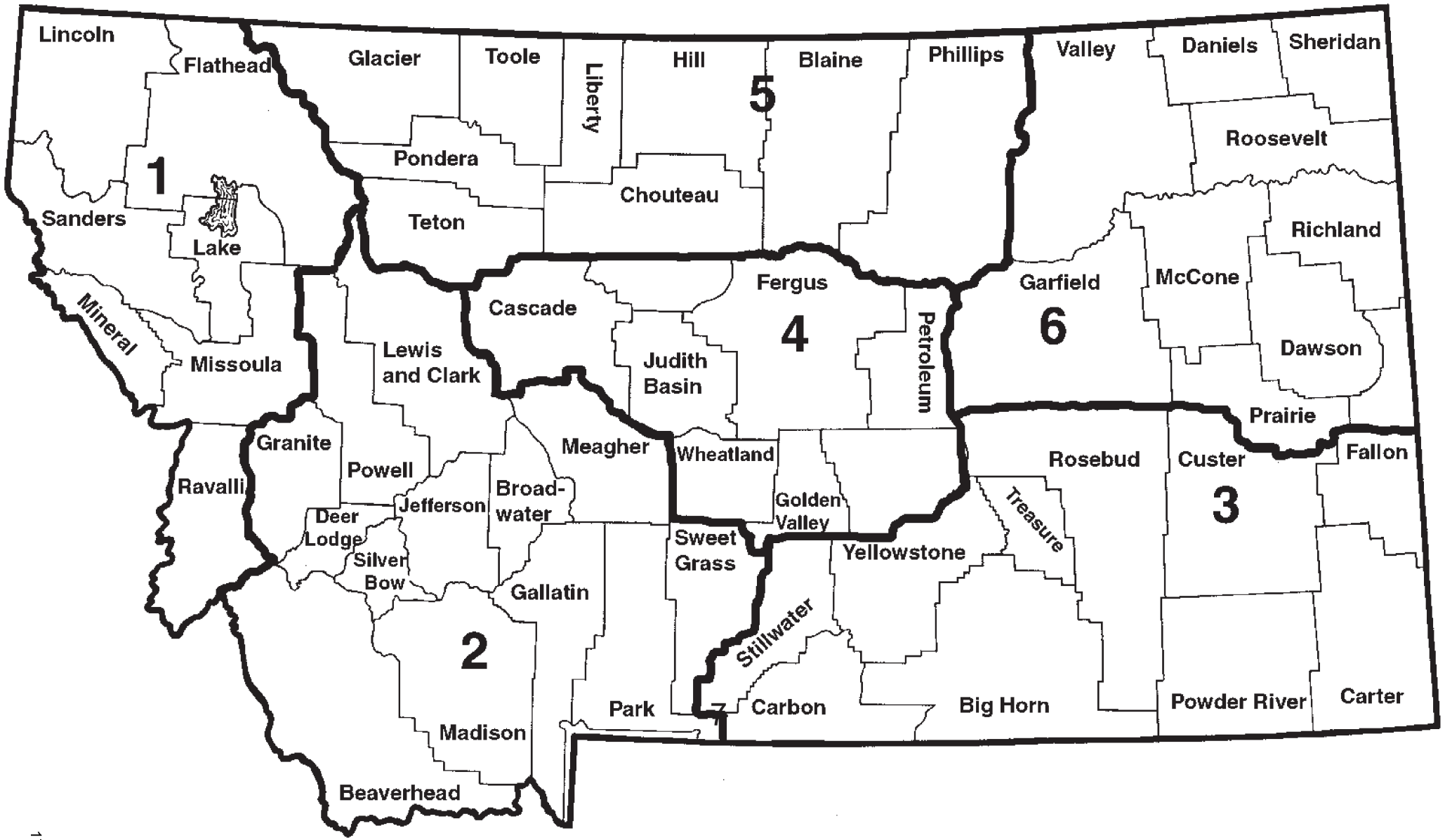
Bob Stougaard – Seconded the motion

Vote – 15 for and 0 against

Recommended
Barley Varieties
For Montana By District

Variety	Row Type	Use	District 1	2	3	4	5	6
Baronesse (P)+	2	Feed	DI	DI	DI	DI	DI	DI
Boulder (P)+	2	Feed	DI	DI	DI	DI	DI	DI
Calgary (P)+	2	Feed	IH	I	I	I	I	I
Eslick	2	Feed	DI	DI	DI	DI	DI	DI
Haxby	2	Feed	DI	DI	DI	DI	DI	DI
Lewis	2	Feed	DI	DI	DI	DI	DI	DI
Valier	2	Feed	DI	DI	DI	DI	DI	DI
WestBred Xena (P)+	2	Feed	DI	DI	DI	DI	DI	DI
WestBred Medallion (P)+	6	Feed	IH	I	I	I	I	I
Craft	2	Malt	DI	DI	DI	DI	DI	DI
Hockett+	2	Malt	DI	DI	DI	DI	DI	DI
Haybet	2	Hay	DI	DI	DI	DI	DI	DI
Hays	2	Hay	DI	DI	DI	DI	DI	DI
Stockford(P)+	2	Hay	DI	DI	DI	DI	DI	DI

(P)= Private variety
"+"= Protected variety under the Plant Variety Protection Act
I = Irrigated
D = Dryland
H = High rainfall


Lincoln
Flathead
Glacier
Toole
Liberty
Hill
Blaine
Phillips
Valley
Daniels
Sheridan
5
Roosevelt
1
Pondera
Chouteau
Sanders
Lake
Teton
Richland
Garfield
McCone
Fergus
Cascade
6
Mineral
Missoula
Lewis and Clark
Judith Basin
Petroleum
4
Dawson
Prairie
Granite
Meagher
Wheatland
Rosebud
Custer
Fallon
Ravalli
Powell
Broad-water
Golden Valley
Treasure
3
Deer Lodge
Jefferson
Silver Bow
Sweet Grass
Yellowstone
Gallatin
Stillwater
2
Park
Carbon
Big Horn
Powder River
Carter
Madison
Beaverhead

All Barley Acreage, Yield, and Production by Counties and Districts, 2009

County and District	ALL				
	Planted	Harvested	Yield	Production	
	Acres	Acres	Bushels	Bushels	Rank
Deer Lodge	1,500	300	67.0	20,000	49
Flathead	6,000	5,500	64.0	351,000	24
Granite	--	--	--	--	--
Lake	3,000	2,000	76.0	152,000	36
Lincoln	--	--	--	--	--
Mineral	--	--	--	--	--
Missoula	--	--	--	--	--
Powell	3,000	1,000	47.0	47,000	45
Ravalli	1,000	700	77.0	54,000	44
Sanders	--	--	--	--	--
Other	1,500	500	64.0	32,000	--
NORTHWEST	**16,000**	**10,000**	**66.0**	**656,000**	**--**
Blaine	14,000	10,000	46.0	459,000	21
Chouteau	46,000	41,000	41.0	1,662,000	6
Glacier	103,000	96,000	53.0	5,135,000	2
Hill	14,000	13,000	50.0	648,000	15
Liberty	25,000	24,000	26.0	633,000	16
Phillips	22,000	11,000	33.0	361,000	23
Pondera	96,000	93,000	67.0	6,220,000	1
Teton	76,000	73,000	70.0	5,088,000	3
Toole	65,000	63,000	44.0	2,746,000	4
Other	--	--	--	--	--
NORTH CENTRAL	**461,000**	**424,000**	**54.0**	**22,952,000**	**--**
Daniels	4,000	1,000	36.0	36,000	46
Dawson	16,000	7,000	45.0	315,000	26
Garfield	14,000	4,000	41.0	164,000	35
McCone	16,000	8,000	41.0	326,000	25
Richland	27,000	25,000	65.0	1,633,000	7
Roosevelt	7,000	5,000	49.0	244,000	30
Sheridan	6,000	5,000	57.0	286,000	29
Valley	14,000	8,000	37.0	294,000	28
Other	--	--	--	--	--
NORTHEAST	**104,000**	**63,000**	**52.0**	**3,298,000**	**--**
Broadwater	7,000	6,000	82.0	491,000	20
Cascade	34,000	31,000	53.0	1,633,000	7
Fergus	30,000	21,000	38.0	798,000	12
Golden Valley	6,000	5,200	38.0	196,000	32
Judith Basin	21,000	15,000	38.0	577,000	17
Lewis & Clark	11,000	10,000	79.0	785,000	13
Meagher	10,000	8,800	57.0	502,000	19
Musselshell	--	--	--	--	--
Petroleum	--	--	--	--	--
Wheatland	12,000	11,000	27.0	299,000	27
Other	6,000	2,000	55.0	109,000	--
CENTRAL	**137,000**	**110,000**	**49.0**	**5,390,000**	**--**
Beaverhead	7,000	5,400	93.0	504,000	18
Gallatin	27,000	25,200	67.0	1,686,000	5
Jefferson	--	--	--	--	--
Madison	6,000	3,000	78.0	234,000	31
Silver Bow	--	--	--	--	--
Other	1,000	400	90.0	36,000	--
SOUTHWEST	**41,000**	**34,000**	**72.0**	**2,460,000**	**--**
Big Horn	20,000	17,000	86.0	1,457,000	10
Carbon	11,000	10,000	113.0	1,131,000	11
Park	3,000	2,000	75.0	150,000	37
Stillwater	8,000	6,000	32.0	194,000	33
Sweetgrass	2,000	1,000	33.0	33,000	48
Treasure	5,000	4,000	106.0	423,000	22
Yellowstone	23,000	20,000	79.0	1,572,000	9
Other	--	--	--	--	--
SOUTH CENTRAL	**72,000**	**60,000**	**83.0**	**4,960,000**	**--**
Carter	5,000	2,000	29.0	58,000	43
Custer	5,000	2,000	66.0	132,000	38
Fallon	6,000	2,000	34.0	68,000	42
Powder River	4,000	2,000	38.0	76,000	41
Prairie	--	--	--	--	--
Rosebud	--	--	--	--	--
Wibaux	4,000	2,000	44.0	87,000	40
Other	15,000	9,000	100.0	903,000	--
SOUTHEAST	**39,000**	**19,000**	**70.0**	**1,324,000**	**--**
MONTANA	**870,000**	**720,000**	**57.0**	**41,040,000**	**--**

-- Counties with no acres planted or counties that are combined into "other" counties/districts to avoid disclosure of individual information.

All Barley Acreage, Yield, and Production by Counties and Districts, 2010

County and District	ALL				
	Planted	Harvested	Yield	Production	
	Acres	Acres	Bushels	Bushels	Rank
Deer Lodge	--	--	--	--	--
Flathead	5,600	5,200	83.5	434,000	21
Granite	--	--	--	--	--
Lake	3,500	1,500	62.0	93,000	38
Lincoln	--	--	--	--	--
Mineral	--	--	--	--	--
Missoula	600	200	85.0	17,000	48
Powell	--	--	--	--	--
Ravalli	--	--	--	--	--
Sanders	--	--	--	--	--
Other	6,300	2,100	72.4	152,000	--
NORTHWEST	**16,000**	**9,000**	**77.3**	**696,000**	**--**
Blaine	15,000	11,600	54.5	632,000	16
Chouteau	38,000	36,200	47.5	1,719,000	8
Glacier	82,000	78,000	51.2	3,991,000	3
Hill	--	--	--	--	--
Liberty	19,000	18,500	47.5	878,000	14
Phillips	--	--	--	--	--
Pondera	71,000	68,400	64.3	4,400,000	2
Teton	69,000	68,200	70.5	4,807,000	1
Toole	54,000	53,400	57.4	3,067,000	4
Other	33,000	23,700	52.0	1,233,000	--
NORTH CENTRAL	**381,000**	**358,000**	**57.9**	**20,727,000**	**--**
Daniels	--	--	--	--	--
Dawson	15,000	7,000	49.0	343,000	25
Garfield	17,000	5,600	40.4	226,000	30
McCone	13,000	6,300	56.3	355,000	23
Richland	21,000	18,500	76.4	1,414,000	9
Roosevelt	6,000	2,800	60.0	168,000	32
Sheridan	--	--	--	--	--
Valley	13,000	6,200	47.4	294,000	27
Other	6,000	3,600	55.0	198,000	--
NORTHEAST	**91,000**	**50,000**	**60.0**	**2,998,000**	**--**
Broadwater	6,000	5,500	95.5	525,000	19
Cascade	30,000	28,000	65.5	1,833,000	5
Fergus	31,000	23,000	43.4	999,000	11
Golden Valley	--	--	--	--	--
Judith Basin	20,000	16,500	47.5	783,000	15
Lewis & Clark	11,000	10,200	95.5	974,000	12
Meagher	8,000	5,000	53.4	267,000	28
Musselshell	--	--	--	--	--
Petroleum	--	--	--	--	--
Wheatland	10,000	8,400	43.5	365,000	22
Other	14,000	6,400	35.5	227,000	--
CENTRAL	**130,000**	**103,000**	**58.0**	**5,973,000**	**--**
Beaverhead	6,000	3,700	94.1	348,000	24
Gallatin	26,000	24,500	73.5	1,800,000	7
Jefferson	--	--	--	--	--
Madison	--	--	--	--	--
Silver Bow	--	--	--	--	--
Other	5,000	1,800	85.6	154,000	--
SOUTHWEST	**37,000**	**30,000**	**76.7**	**2,302,000**	**--**
Big Horn	16,000	14,000	94.4	1,322,000	10
Carbon	9,000	8,000	110.8	886,000	13
Park	--	--	--	--	--
Stillwater	8,000	5,700	38.4	219,000	31
Sweetgrass	--	--	--	--	--
Treasure	4,000	3,600	84.7	305,000	26
Yellowstone	22,000	20,000	91.5	1,829,000	6
Other	6,000	2,700	57.0	154,000	--
SOUTH CENTRAL	**65,000**	**54,000**	**87.3**	**4,715,000**	**--**
Carter	--	--	--	--	--
Custer	6,500	2,000	56.0	112,000	37
Fallon	5,000	1,600	33.1	53,000	43
Powder River	--	--	--	--	--
Prairie	--	--	--	--	--
Rosebud	11,500	5,500	85.5	470,000	20
Wibaux	--	--	--	--	--
Other	17,000	6,900	57.1	394,000	--
SOUTHEAST	**40,000**	**16,000**	**64.3**	**1,029,000**	**--**
MONTANA	**760,000**	**620,000**	**62.0**	**38,440,000**	**--**

-- Counties with no acres planted or counties that are combined into "other" counties/districts to avoid disclosure of individual information.

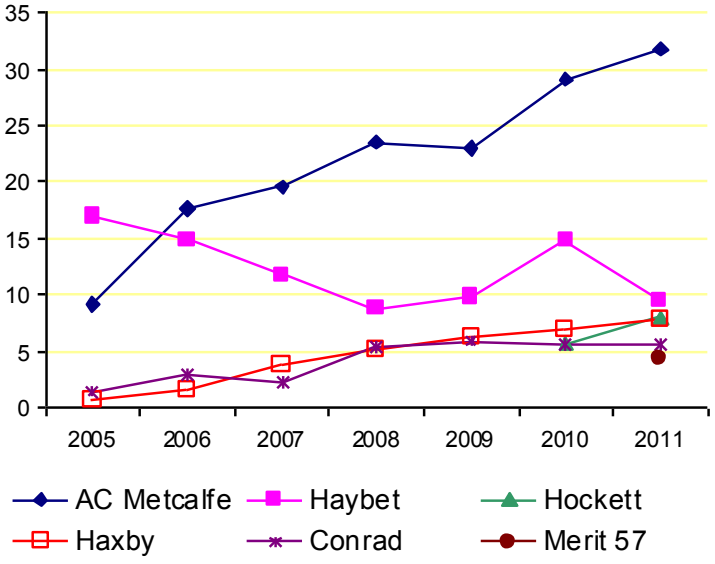
All Barley Varieties Seeded Acreage and Percent of Total Seeded by Districts, 2011

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe*	0.7	3.5	211.3	49.6	0.4	0.5	20.5	18.6	14.3	35.7	0.9	1.3	--	--	248.1	31.8
Haybet	4.6	22.9	17.9	4.2	31.8	37.0	7.7	7.0	0.1	0.2	2.3	3.5	9.4	29.4	73.8	9.5
Hockett*	1.0	5.2	49.8	11.7	--	--	8.7	7.9	1.6	3.9	1.7	2.5	--	--	62.8	8.0
Haxby	4.2	21.1	17.9	4.2	8.8	10.2	22.1	20.1	1.1	2.7	6.1	9.3	0.6	1.8	60.8	7.8
Conrad*	--	--	26.8	6.3	4.1	4.8	6.8	6.2	0.4	1.1	5.7	8.7	--	--	43.8	5.6
Merit 57*	--	--	26.8	6.3	1.1	1.3	2.5	2.3	0.8	2.0	0.7	1.0	2.0	6.2	33.9	4.3
Moravian 69*	--	--	0.4	0.1	--	--	--	--	0.3	0.7	28.5	43.2	4.1	12.7	33.3	4.3
Harrington*	0.1	0.3	19.6	4.6	0.7	0.8	4.8	4.4	6.9	17.3	--	--	--	--	32.1	4.1
Conlon*	--	--	13.2	3.1	2.5	2.9	14.4	13.1	--	--	--	--	1.5	4.6	31.6	4.1
Tradition*	--	--	--	--	16.0	18.6	--	--	--	--	--	--	3.0	9.4	19.0	2.4
Merit*	--	--	14.1	3.3	0.1	0.1	2.3	2.1	--	--	--	--	--	--	16.5	2.1
Hays	0.9	4.7	0.9	0.2	1.5	1.7	1.7	1.5	3.5	8.8	3.4	5.1	1.2	3.6	13.1	1.7
Moravian 37*	--	--	--	--	--	--	0.7	0.6	--	--	7.9	12.0	--	--	8.6	1.1
Champion	2.0	9.8	1.7	0.4	--	--	3.0	2.7	0.7	1.7	0.3	0.5	--	--	7.7	1.0
BG 46e	--	--	6.8	1.6	--	--	--	--	--	--	--	--	--	--	6.8	0.9
Westford	0.3	1.4	0.9	0.2	--	--	0.6	0.5	0.6	1.5	1.3	1.9	2.8	8.7	6.5	0.8
Hector	0.1	0.3	1.3	0.3	2.2	2.5	1.2	1.1	--	--	1.5	2.2	--	--	6.3	0.8
Baronesse	0.8	3.8	2.1	0.5	--	--	--	--	2.3	5.7	0.3	0.4	--	--	5.5	0.7
Horsford	--	--	--	--	1.7	2.0	2.1	1.9	0.5	1.2	0.3	0.4	--	--	4.6	0.6
Gallatin	--	--	2.1	0.5	--	--	2.0	1.8	0.1	0.3	--	--	0.1	0.4	4.3	0.6
Bowman	--	--	0.4	0.1	0.8	0.9	--	--	--	--	--	--	2.5	7.9	3.7	0.5
Stockford	--	--	--	--	--	--	1.5	1.4	0.9	2.3	0.5	0.8	0.3	0.8	3.2	0.4
Lewis	--	--	--	--	2.7	3.1	--	--	--	--	--	--	--	--	2.7	0.3
Other & Unknown	5.3	27.0	12.0	2.8	11.6	13.6	7.4	6.8	5.9	14.9	4.6	7.2	4.5	14.5	51.3	6.6
All Varieties	**20.0**	**100.0**	**426.0**	**100.0**	**86.0**	**100.0**	**110.0**	**100.0**	**40.0**	**100.0**	**66.0**	**100.0**	**32.0**	**100.0**	**780.0**	**100.0**

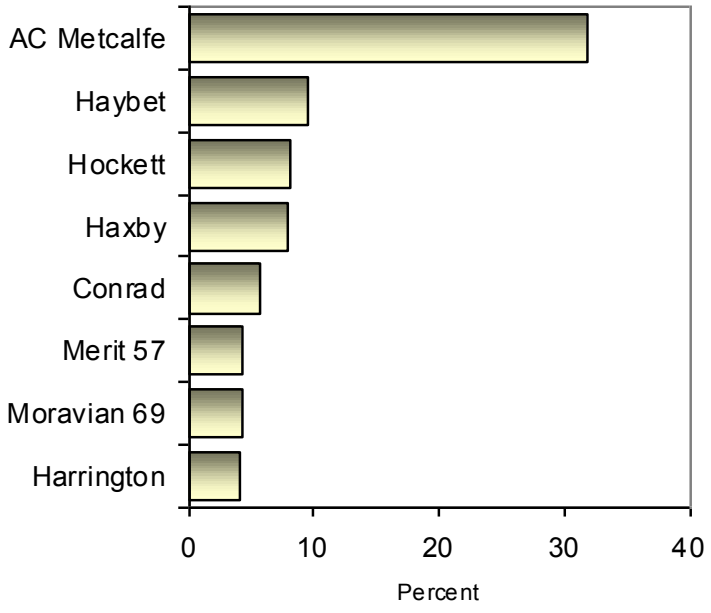
*Denotes variety recommended by the American Malting Barley Association, Inc. for planting in 2011. -- Data not published.
Data compiled and summarized by the Montana Field Office of the National Agricultural Statistics Service, an agency of USDA, as a service provided for the Montana Wheat and Barley Committee and the American Malting Barley Association, Inc.

All Barley Major Varieties as a Percent of Total Seeded Acres

Major Varieties - 2005-2011



Major Varieties -2011



Barley Purchased to Produce Malt, by Districts, 2009-2010 Crops

Variety	Crop Year 1/	Northwest			North Central			Northeast			Central		
		(000) Bu	% Protein	% Plump	(000) Bu	% Protein	% Plump	(000) Bu	% Protein	% Plump	(000) Bu	% Protein	% Plump
AC Metcalfe	2009				4,329	11.4	93				514	11.7	91
	2010	30	11.2	92	7,355	11.7	89				701	12.1	89
Moravian 69	2009												
	2010												
Conrad	2009	40	11.8	94	2,788	11.8	95				273	11.2	96
	2010				2,184	11.8	94	9	12.0	98	250	11.5	96
Hockett	2009				91	11.6	95						
	2010				2,170	11.1	92				63	12.1	94
Tradition	2009							2,065	12.0	94			
	2010							1,453	12.3	89			
Merit	2009				1,412	10.4	92				1,379	11.2	85
	2010				978	10.4	92				242	10.6	94
Harrington	2009				2,713	11.6	93	4	13.7	54	679	12.0	89
	2010				1,093	11.6	91	11	12.6	89	21	10.6	94
Merit 57	2009				66	11.3	92				15	10.7	92
	2010				690	10.5	90	9	12.1	95	17	10.4	91
Celebration	2009							22	12.5	91			
	2010							263	12.9	86			
Stellar	2009							109	11.4	96			
	2010							102	12.2	87			
Other	2009				628	10.6	95	180	12.2	90			
	2010				16	10.6	96						
Total	2009	40	11.8	94	12,027	11.4	93	2,380	12.0	94	2,860	11.5	88
	2010	30	11.2	92	14,486	11.5	91	1,847	12.4	89	1,294	11.6	92

Variety	Crop Year 1/	Southwest			South Central			Southeast			State		
		(000) Bu	% Protein	% Plump	(000) Bu	% Protein	% Plump	(000) Bu	% Protein	% Plump	(000) Bu	% Protein	% Plump
AC Metcalfe	2009	539	11.4	95	300	12.4	94				5,682	11.5	93
	2010	263	11.8	94	3	11.5	94				8,352	11.7	89
Moravian 69	2009												
	2010	277	11.1	87	3,433	10.4	91				3,710	10.5	90
Conrad	2009	3	12.8	95	652	12.5	92				3,756	11.9	94
	2010	77	12.8	94	566	11.2	92				3,086	11.7	93
Hockett	2009				34	12.2	88				125	11.8	93
	2010	12	12.8	92	55	10.7	91				2,300	11.2	92
Tradition	2009										2,065	12.0	94
	2010							171	12.0	91	1,624	12.3	89
Merit	2009				102	11.0	85				2,893	10.8	88
	2010				99	10.8	90				1,319	10.5	92
Harrington	2009	222	11.6	90	52	13.2	75				3,670	11.7	91
	2010	107	11.6	93							1,232	11.6	92
Merit 57	2009				19	12.4	86				100	11.4	91
	2010										716	10.5	90
Celebration	2009										22	12.5	91
	2010										263	12.9	86
Stellar	2009										109	11.4	96
	2010										102	12.2	87
Other	2009	561	11.1	93	3,306	10.4	95				4,675	10.6	95
	2010				87	10.5	95				103	10.5	95
Total	2009	1,325	11.3	93	4,465	10.9	94				23,097	11.4	93
	2010	736	11.6	91	4,243	10.5	91	171	12.0	91	22,807	11.4	91

Please note: Funding for these data was provided by the Montana Wheat & Barley Committee.

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1916-2011 AT THE NORTHERN AGRICULTURAL RESEARCH CENTER AT HAVRE, MONTANA

	SEPT. 2010	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year	2.19	0.27	1.45	0.72	0.88	0.12	0.60	0.68	3.57	2.79	1.71	0.47	15.45
Average (1916-2011)	1.15	0.65	0.44	0.45	0.44	0.32	0.54	0.99	1.80	2.56	1.43	1.19	11.96
Mean Temperature (°F)													**AVERAGE**
Current Year	55.6	49.0	26.6	11.3	14.1	12.6	23.7	41.6	51.1	59.3	68.9	70.2	40.3
Average (1916-2011)	56.2	45.7	30.1	19.4	15.4	19.8	29.9	43.6	54.0	61.8	69.2	67.3	42.70

Last killing frost in Spring
2011. . . . . May 14 (31°)
Avg. (1916-2011) . . . . . May 14

First killing frost in Fall
2011 . . . . . September 20 (32°)
Avg. (1916-2011) . . . . . September 20

Frost-free period
2011 . . . . . 129days
Avg. (1916-2011) . . . . . 129 days

Growing degree days (Base 50)
2011 . . . . . 2338 days
Avg. (1916-2011) . . . . . 2374.5 days

Maximum summer temperature 101° F on July19, 2011
Minimum winter temperature -37°F on February 1st and 2nd, 2011

*** in this summary, 32 °F is considered a killing frost**

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (OCTOBER-SEPTEMBER) AND AVERAGES FOR THE PERIOD 1949-2011 AT THE EASTERN AGRICULTURAL RESEARCH CENTER IN SIDNEY, MT

	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	SEPT. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year- Irrigated	0.84	1.66	1.21	2.26	0.59	1.29	2.92	5.97	1.51	2.84	0.69	0.95	22.73
Average (1958-2011)	0.94	0.50	0.46	0.44	0.36	0.54	1.14	2.11	2.79	2.12	1.39	1.27	14.06
Current year- Dryland	0.94	0.58	0.45	2.26	0.59	1.29	1.66	6.62	1.07	2.80	0.65	0.77	19.68
Mean Temperature (°F)													**AVERAGE**
Current Year	50.7	29.2	11.4	12.7	13.5	23.8	43.3	53.7	64.8	72.5	71.7	62.2	42.46
Average (1949-2011)	45.9	30.3	18.0	12.6	19.6	30.3	44.7	56.0	64.5	70.1	68.8	57.9	43.23

Last killing frost in Spring
2011. . . . . May 2 (27 °F)
Avg. (1949-2011) . . . . . May 13

First killing frost in Fall
2011 . . . . . September 14 (31°F)
Avg. (1949-2011) . . . . . September 18

Frost-free period
2011. . . . . 134 days
Avg. (1949-2011) . . . . . 128 days

Growing degree days (Base 50)**
2011 . . . . . 2199 days
Avg. (1949-2011) . . . . . 2247 days

Maximum summer temperature 97°F on June 30, 2011
Minimum winter temperature -31°F on February 1, 2010

*** in this summary, 32°F is considered a killing frost**
**** in calculating growing degree days, 29°F is considered a killing frost**

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1980-2011 AT THE NORTHWESTERN AGRICULTURAL RESEARCH CENTER NEAR KALISPELL, MONTANA

	SEPT. 2010	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year	1.71	0.74	2.77	1.69	2.43	1.61	0.87	2.25	3.20	4.48	0.99	0.24	22.98
Average (1980-2011)	1.61	1.27	1.60	1.53	1.40	1.19	1.29	1.84	2.45	3.26	1.67	1.12	20.23
Mean Temperature (°F)													**AVERAGE**
Current Year	51.9	43.9	29.0	23.8	24.3	19.5	34.7	38.7	48.7	53.5	61.9	64.4	41.2
Average (1980-2011)	53.6	42.2	32.4	24.0	24.5	27.0	34.8	43.0	51.3	57.6	64.3	63.4	43.2

Last killing frost in Spring
2011. . . . . May 18 (29 °F)
Avg. (1980-2011) . . . . . May 20

First killing frost in Fall
2011 . . . . . September 23
Avg. (1980-2011) . . . . . September 17

Frost-free period
Avg. (1980-2011) . . . . . 128 days

Maximum summer temperature 89°F on August 22, 2011
Minimum winter temperature -16°F on February 1st and 2nd, 2011

*** in this summary, 32 °F is considered a killing frost**

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1909-2011 AT THE CENTRAL AGRICULTURAL RESEARCH CENTER AT MOCCASIN, MT

	SEPT. 2010	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year	1.93	0.44	1.61	0.67	0.32	0.59	0.61	2.36	7.35	4.23	0.82	0.71	21.64
Average (1909-2011)	1.40	0.90	0.57	0.55	0.55	0.45	0.71	1.20	2.59	3.14	1.68	1.61	15.35
Mean Temperature (°F)													**AVERAGE**
Current Year	54.6	51.0	27.7	26.0	23.1	16.9	30.4	37.5	47.2	55.6	67.1	68.3	42.1
Average (1911-2011)	54.7	44.8	32.9	24.9	21.5	24.6	30.4	40.8	50.1	57.8	65.8	64.8	42.8

Last killing frost in Spring
2011. . . . . May 19 (28°F)
Avg. (1909-2011). . . . . May 27

First killing frost in Fall
2011. . . . . September 3 (32°F)
Avg. (1909-2011) . . . . . September 15

Frost-free period
2011 . . . . . 107 days
Avg. (1909-2011) . . . . . 111 days

Maximum summer temperature 99°F on July 18, 2011
Minimum winter temperature -25°F on February 25, 2011

*** in this summary, 32 °F is considered a killing frost**

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1911-2011 AT THE SOUTHERN AGRICULTURAL RESEARCH CENTER NEAR HUNTLEY, MONTANA

	SEPT. 2010	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year	0.99	0.51	1.29	0.73	0.17	0.71	0.56	2.30	7.59	1.39	2.46	0.65	19.35
Average (1911-2011)	1.30	1.06	0.63	0.59	0.54	0.48	0.79	0.79	2.13	2.34	1.15	0.94	13.23
Mean Temperature (°F)													**AVERAGE**
Current Year	59.3	53.3	31.8	23.7	24.7	18.7	35.5	44.5	52.0	63.7	74.6	73.7	46.2
Average (1911-2011)	57.9	46.9	33.5	23.8	20.6	25.6	34.0	45.5	54.9	63.3	70.7	68.6	45.5

Last killing frost in Spring
2011 . . . . . May 5
Avg. (1911-2011) . . . . . May 17

First killing frost in Fall
2010 . . . . . September 21(29 °F)
Avg. (1911-2011) . . . . . September 19

Frost-free period
2010 . . . . . 139 days
Avg. (1911-2011) . . . . . 125 days

Growing degree days (Base 50)**
2010 . . . . . 2263 GDD (°F)
Avg. (1911-2011) . . . . . 1966 GDD (°F)

Maximum summer temperature 100 °F on July 19th, July 26th, August 1st, and August 28, 2011
Minimum winter temperature -22 °F on Februrary 9, 2011

- in this summary, 32 °F is considered a killing frost

****Growing degree days calculated from temperatures observed during the frost free period from May 4 through September 8 for 2008, and for the same 127 day interval from the period of record of 1911 to 2005.**

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1984-2011 AT THE WESTERN TRIANGLE RESEARCH CENTER, CONRAD, MT

	SEPT. 2010	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year	1.54	0.19	0.49	0.43	0.08	0.51	0.32	1.47	3.83	5.36	0.57	0.44	15.23
Average (1984-2011)	1.23	.57	.30	.19	.18	.24	.43	.97	1.88	2.97	1.40	1.20	11.56
													AVERAGE
Mean Temperature (°F)	51.7	48.4	25.3	18.4	17.1	12.8	24.0	36.3	46.8	54.8	65.1	68.0	**40.8**
Current Year	56.9	45.0	32.4	24.1	22.9	24.4	32.9	42.6	51.7	59.4	66.8	66.0	43.9
Average (1984-2011)													

Last killing frost in Spring
2011 ..... May 18
Avg. (1984-2011) ..... May 19

First killing frost in Fall
2011 ..... October 15
Avg. (1984-2011) ..... September 25

Frost-free period
2011 ..... 150 days
Avg. (1984-2011) ..... 129 days

Maximum summer temperature 97°F on July17, 2011
Minimum winter temperature -24°F on February 26, 2011

*** in this summary, 32 °F is considered a killing frost**

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2010-2011 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1958-2011 AT THE POST AGRONOMY RESEARCH FARM IN BOZEMAN, MT

	SEPT. 2010	OCT. 2010	NOV. 2010	DEC. 2010	JAN. 2011	FEB. 2011	MAR. 2011	APR. 2011	MAY 2011	JUNE 2011	JULY 2011	AUG. 2011	YEAR
Precipitation (in.)													**TOTAL**
Current year	1.59	0.70	1.39	0.63	0.59	0.35	0.87	2.49	3.16	3.22	0.85	0.98	16.82
Average (1958-2011)	1.45	1.40	0.92	0.56	0.53	0.51	1.03	1.65	2.64	2.78	1.34	1.26	16.07
Mean Temperature (°F)													**AVERAGE**
Current Year	57.2	49.8	28.0	22.3	24.9	21.6	36.2	39.1	48.7	57.5	66.7	68.0	43.3
Average (1958-2011)	55.5	45.3	31.5	23.4	22.4	27.1	33.5	42.2	51.2	58.7	65.7	64.7	43.43

Last killing frost in Spring
2011 . . . . . **May 11** (32°F)
Avg. (1958-2011) . . . . . **June 1**

First killing frost in Fall
2011. . . . . . **September 21** (32.7°F)
Avg. (1958-2011) . . . . . **September 11**

Frost-free period
2011. . . . . . **131 days**
Avg. (1958-2011) . . . . . **103 days**

Maximum summer temperature **93** °F on August 22 and 23, 2011
Minimum winter temperature **-17** °F on November 24, 2010

*** in this summary, 32 °F is considered a killing frost**

2011 Multi Year Data Reporting Information

Seeding rates

Irrigated Intrastate:
Kalispell=0.74 g/ft
Huntley, Sidney, Bozeman, Conrad=1.0 g/ft

Dryland Intrastate:
Havre, Huntley, Mocassin, Bozeman, Conrad, Sidney=0.6g/ft

Seed treated with RTU-Raxil MD liquid fungicide at a rate of 5.0 oz/100 lbs.

The comparable average for Barley is calculated by using a pre-determined check variety like Haxby to establish an "average check yield"—for example, a 7 year period. By using comparable averages, all varieties are then directly comparable to each other even with different number of locations.

The more years of production data available for any particular variety, the more reliable the comparable average figure is. Although data is given for entries with less than three years, **averages using less than three years of data may be unreliable in predicting future performance.**

Comparable Average

Illustration of the Formula: (Hays 4 years at Bozeman Dryland)

Check variety (Haxby) 7 year average	=103.7
Check variety (Haxby): average yield foe the last 4 years	= 98.98
Variety (Hays) in question: 4 year average	=95.85

Hays	4 year avg. yield	or	95.85 = 96.83%
Check (Haxby)	4 year avg. yield		98.98

To convert Hays yield to the 10 year comparable average:

96.83% (Hays) X 103.7 (Haxby 10 year avg.) =100.4 bu/ac for Hays

T-Paired test

Varieties are compared only to the check or reference variety not to other varieties. P-value gives significance level.

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (1 Rep)	Heading Date (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	76.11	51.30	92.10	196.98	14.94	8.46
6B952482	Tradition	69.60	49.54	58.20	183.53	14.16	8.38
COPELAND	Copeland	72.87	48.62	89.00	193.08	14.12	8.57
EM090081	05037-079	81.47	52.05	87.90	193.95	14.07	8.56
EM090105	05032-068	79.43	51.03	89.40	191.86	13.13	8.49
EM090117	03013-25	75.97	51.00	85.10	199.19	15.00	8.42
EM090128	03021-03	78.74	52.22	83.10	196.52	13.88	8.57
MT010158	Amsterdam	65.23	52.57	94.50	192.80	14.88	8.42
MT010160	MT920041/Harrington	78.76	52.36	94.30	188.99	14.12	8.38
MT020155	MT960225/H1851195	77.24	51.25	94.50	188.38	14.64	8.48
MT020162	MT960225/H1851195	72.75	50.91	88.30	191.95	14.90	8.44
MT030042	MT910189/MT960099	78.19	53.08	79.80	194.22	13.12	8.62
MT061035	Baronesse/MT981210	76.68	50.07	74.50	196.44	14.37	8.52
MT061104	Harrington/MT970229	79.45	51.99	96.50	190.89	13.81	8.44
MT061134	Kendal/Conlon	74.93	51.44	88.50	193.42	14.52	8.58
MT061169	MT960101/Coors 37	73.84	51.25	92.00	193.03	14.60	8.55
MT061201	MT970110/LK232	77.33	51.36	92.90	188.13	14.15	8.54
MT070086	MT970148/Coors37	85.13	51.59	95.30	194.23	13.58	8.58
MT070111	MT010178/Harrington	75.03	52.26	94.40	193.62	14.01	8.53
MT070125	MT981210/MT970116	82.46	52.59	92.40	191.10	13.39	8.53
MT070136	MT010178/MT970148	80.62	52.27	94.00	192.51	14.31	8.45
MT070148	MT990172/Metcalfe	85.39	51.30	94.50	193.05	13.94	8.53
MT070158	MT970148/Klages	85.89	51.92	97.00	192.88	14.39	8.55
MT070159	MT970148/Klages	81.52	51.31	88.50	192.18	14.68	8.54
MT070161	MT970148/Klages	74.37	52.07	85.50	191.61	14.24	8.54
MT070174	LK644///Hockett F5	77.12	53.45	97.90	189.11	12.31	8.65
MT070175	LK644///Hockett F5	74.57	51.84	89.40	191.42	13.28	8.57
MT080081	Coors/Metcalfe	86.60	50.83	92.20	193.68	13.10	8.67
MT080083	Coors/Metcalfe	82.81	50.81	90.10	192.61	13.93	8.50
MT080085	Coors/Metcalfe	72.89	52.20	91.00	195.81	13.87	8.62
MT080100	Karma	38.15	62.74	91.60	189.23	16.16	8.82
MT080243	MT960101/MT981210	78.94	50.69	83.50	193.27	13.43	8.55
MT080261	MT970026/MT981091	83.31	52.01	88.50	188.76	13.69	8.53
MT080279	MT970148/MT970116	83.21	51.33	90.20	195.54	13.76	8.61
MT080281	MT970148/MT970116	81.09	51.32	95.10	194.35	13.68	8.54
MT080285	MT970148/MT970116	78.45	51.83	90.40	194.83	14.20	8.49
MT090169	MT910189*/LK644/EslickBC3F43G3	68.48	53.03	94.70	191.89	12.34	8.55
MT090176	MT910189*/LK644/EslickBC3F33-G	78.86	52.90	94.10	193.60	11.94	8.63
MT090178	MT910189*/LK644/EslickBC3F33-G	76.13	52.82	97.20	193.60	12.01	8.51
MT090180	MT910189*/LK644/EslickBC3F33-G	80.91	52.32	93.70	192.63	11.86	8.60
MT090181	MT910189*/LK644/EslickBC3F33-G	82.77	53.25	95.40	193.94	12.35	8.62
MT090182	MT910189*/LK644/EslickBC3F33-G	76.84	52.11	91.00	195.11	12.15	8.62
MT090183	MT910189*/LK644/EslickBC3F33-G	79.73	51.84	96.20	192.49	12.31	8.66
MT090184	MT910189*/LK644/EslickBC3F33-G	76.71	52.66	95.70	193.92	12.37	8.53
MT090186	MT910189*/LK644/EslickBC3F33-G	76.28	53.74	91.70	193.88	12.24	8.63
MT090188	MT910189*/LK644/EslickBC3F33-G	81.77	52.44	95.80	193.04	12.10	8.58
MT090190	MT910189*/LK644/EslickBC3F33-G	78.82	51.99	95.70	195.06	12.23	8.60
MT090191	MT910189*/LK644/EslickBC3F33-G	79.07	52.93	93.30	192.86	12.52	8.54
MT090192	MT910189*/LK644/EslickBC3F33-G	85.03	53.24	94.70	193.80	11.78	8.66
MT090193	MT910189*/LK644/EslickBC3F33-G	84.26	52.64	97.40	190.12	12.45	8.64

2011 Spring Barley Dryland Intrastate **Havre**

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (1 Rep)	Heading Date (adj)	Protein % (adj)	Moisture % (adj)
MT090194	MT910189*/LK644/EslickBC3F33-G	83.39	52.71	93.60	193.47	12.09	8.44
MT090202	MT910189*/LK644/EslickBC3F37-I	73.51	53.02	95.60	191.48	12.42	8.59
MT090227	MT910189*/LK644/EslickBC3F37-L	77.82	51.95	93.00	189.92	12.92	8.63
MT090229	MT910189*/LK644/EslickBC3F37-L	76.74	51.99	97.30	189.57	12.58	8.59
MT910189	Hockett	74.61	52.41	90.40	190.08	13.57	8.34
MT950186	Haxby	82.72	53.72	95.00	190.84	13.43	8.57
MT960101	Geraldine	80.20	51.49	82.40	196.61	13.80	8.59
MT970116	Craft	79.92	53.19	92.30	186.68	14.00	8.43
PI568246	Baronesse	84.82	51.13	93.70	195.97	14.48	8.52
PI643354	Pinnacle	75.94	53.31	98.20	186.59	12.04	8.66
SK 76333	Harrington	75.56	50.76	93.80	194.85	14.36	8.34
Scarlett	Scarlett	82.79	51.65	92.60	196.49	13.74	8.70
TR232	Metcalfe	69.49	51.57	95.90	191.85	14.76	8.61
YU501385	Champion	94.05	52.83	95.50	190.18	13.49	8.50
Mean		78.02	52.13	91.53	192.56	13.51	8.55

	Yield	Test Wt	Heading Date	Protein %	Moisture %
Replication Sum of Squares	1361.07	10.46	32.01	5.79	0.51
Treatment Sum of Squares	9826.38	521.14	1488.70	198.67	1.60
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	38.70	0.39	2.96	0.22	0.01
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	28.43	0.32	2.51	0.14	0.01
Adjusted Treatment Mean Square	90.08	0.76	5.19	0.61	0.03
Coefficient of Variation	6.04	0.78	1.14	1.02	0.34
F ratio for Treatment	4.78	23.64	8.32	19.22	3.27
Total Sum of Squares	16064.00	581.05	1893.37	231.97	3.32
Lsd (.05) 2 Means in Same Block	9.11	0.96	2.67	0.64	0.14
Efficiency of Design Rel to RCB	122.20	111.99	108.45	139.00	137.51

Lattice Adjusted Means

Plant Ht in	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	46.17	44.50	55.00	184.98	22.41	15.65	8.94
6B952482	Tradition	41.41	46.00	68.00	184.04	24.42	15.24	8.81
COPELAND	Copeland	38.72	44.00	80.00	188.24	25.35	15.64	8.95
EM090081	05037-079	45.70	46.50	81.00	188.86	25.07	15.73	8.84
EM090105	05032-068	49.23	44.50	76.00	186.95	21.78	14.53	8.87
EM090117	03013-25	47.05	46.50	88.00	189.76	20.99	15.16	8.85
EM090128	03021-03	43.51	47.00	78.00	189.26	22.31	15.22	8.64
MT010158	Amsterdam	31.03	45.50	70.00	187.83	24.15	16.68	8.85
MT010160	MT920041/Harrington	39.03	45.00	57.00	188.71	23.37	15.70	8.94
MT020155	MT960225/H1851195	45.97	44.50	73.00	181.95	24.94	14.53	8.80
MT020162	MT960225/H1851195	40.39	46.00	69.00	190.77	24.30	15.88	9.13
MT030042	MT910189/MT960099	55.33	47.50	60.00	182.77	23.39	13.96	8.98
MT061035	Baronesse/MT981210	45.24	47.00	69.00	191.24	21.42	16.12	8.93
MT061104	Harrington/MT970229	41.28	46.00	84.00	184.51	22.97	15.29	8.75
MT061134	Kendal/Conlon	36.99	44.00	73.00	186.75	22.72	14.67	9.40
MT061169	MT960101/Coors 37	52.93	46.50	76.00	190.48	20.07	16.14	9.11
MT061201	MT970110/LK232	47.35	44.00	53.00	187.61	23.73	15.29	8.79
MT070086	MT970148/Coors37	53.42	46.50	84.00	189.60	20.49	14.93	9.20
MT070111	MT010178/Harrington	44.20	46.00	64.00	186.67	25.22	15.03	8.96
MT070125	MT981210/MT970116	50.71	47.00	71.00	190.03	23.65	15.78	8.90
MT070136	MT010178/MT970148	43.96	46.00	78.00	189.78	24.02	16.30	8.79
MT070148	MT990172/Metcalfe	39.91	46.50	83.00	188.42	22.02	15.33	8.73
MT070158	MT970148/Klages	50.72	44.50	59.00	188.05	23.92	14.66	9.14
MT070159	MT970148/Klages	45.37	45.50	80.00	188.89	23.09	14.85	9.04
MT070161	MT970148/Klages	36.48	46.00	84.00	186.50	21.53	15.18	9.01
MT070174	LK644///Hockett F5	38.24	46.50	80.00	187.46	24.89	13.76	8.69
MT070175	LK644///Hockett F5	33.90	47.30	83.00	189.41	24.04	13.75	8.86
MT080081	Coors/Metcalfe	37.53	45.00	54.00	190.36	22.83	15.79	9.02
MT080083	Coors/Metcalfe	42.60	45.00	76.00	189.45	21.83	15.29	9.02
MT080085	Coors/Metcalfe	34.48	47.50	76.00	189.69	22.20	16.17	9.10
MT080100	Karma	12.72	59.00	81.00	187.03	23.93	17.94	8.65
MT080243	MT960101/MT981210	43.84	45.50	80.00	189.64	24.12	15.08	8.79
MT080261	MT970026/MT981091	54.98	46.50	70.00	187.86	23.59	14.97	9.07
MT080279	MT970148/MT970116	44.48	44.50	51.00	187.20	22.13	15.50	9.02
MT080281	MT970148/MT970116	49.43	45.00	71.00	185.23	22.16	14.72	9.04
MT080285	MT970148/MT970116	38.23	46.00	77.00	188.65	19.82	15.03	8.90
MT090169	MT910189*/LK644/EslickBC3F43G3	47.39	47.00	81.00	182.99	22.22	13.28	8.76
MT090176	MT910189*/LK644/EslickBC3F33-G	44.81	47.00	72.00	189.17	24.92	13.18	9.03
MT090178	MT910189*/LK644/EslickBC3F33-G	44.45	48.00	83.00	187.38	25.75	13.43	8.91
MT090180	MT910189*/LK644/EslickBC3F33-G	44.77	46.50	71.00	189.04	24.94	13.85	8.80
MT090181	MT910189*/LK644/EslickBC3F33-G	44.21	47.50	84.00	189.36	25.72	13.49	9.28
MT090182	MT910189*/LK644/EslickBC3F33-G	46.26	47.00	81.00	188.42	25.17	13.63	8.73
MT090183	MT910189*/LK644/EslickBC3F33-G	40.93	46.00	64.00	189.63	25.96	13.98	8.88
MT090184	MT910189*/LK644/EslickBC3F33-G	41.28	45.50	65.00	190.31	26.02	13.81	8.68
MT090186	MT910189*/LK644/EslickBC3F33-G	46.41	47.50	73.00	189.65	25.04	13.56	8.78
MT090188	MT910189*/LK644/EslickBC3F33-G	41.64	47.50	81.00	188.97	23.52	13.59	8.72
MT090190	MT910189*/LK644/EslickBC3F33-G	45.30	46.50	82.00	188.78	26.07	13.43	8.64
MT090191	MT910189*/LK644/EslickBC3F33-G	37.28	48.00	80.00	189.36	25.16	13.46	8.76
MT090192	MT910189*/LK644/EslickBC3F33-G	42.21	47.50	75.00	189.61	25.95	13.33	8.88
MT090193	MT910189*/LK644/EslickBC3F33-G	40.14	47.00	70.00	189.04	26.89	13.96	8.88
MT090194	MT910189*/LK644/EslickBC3F33-G	37.48	47.00	82.00	186.93	25.19	13.56	8.82
MT090202	MT910189*/LK644/EslickBC3F37-I	44.30	48.00	84.00	187.98	26.25	14.33	8.79
MT090227	MT910189*/LK644/EslickBC3F37-L	41.00	47.00	83.00	188.74	24.05	13.35	8.98
MT090229	MT910189*/LK644/EslickBC3F37-L	42.71	45.50	72.00	186.75	24.05	13.34	8.83
MT910189	Hockett	46.10	47.00	78.00	184.89	24.93	14.58	8.88
MT950186	Haxby	46.99	48.00	69.00	183.92	25.45	14.29	8.94

2011 Spring Barley Dryland Intrastate **Sidney**

Lattice Adjusted Means

Plant Ht in	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT960101	Geraldine	42.44	46.50	53.00	190.76	21.24	16.54	9.09
MT970116	Craft	51.53	47.50	81.00	186.64	26.15	14.72	8.96
PI568246	Baronesse	45.24	46.50	73.00	186.58	20.77	15.52	8.85
PI643354	Pinnacle	34.43	46.50	80.00	182.73	22.07	13.11	8.95
SK 76333	Harrington	43.50	44.50	79.00	187.98	24.03	15.72	9.01
Scarlett	Scarlett	42.39	44.00	62.00	189.70	22.41	14.95	8.89
TR232	Metcalfe	35.44	46.00	82.00	186.53	24.22	16.16	8.82
YU501385	Champion	58.69	47.50	68.00	186.52	23.24	13.65	8.91
Average		43.15	46.42	73.75	187.86	23.69	14.77	8.91

	Yield	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	1209.43	100.22	6.96	20.46	19.66
Treatment Sum of Squares	8709.71	877.20	544.67	264.94	4.31
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	32.14	2.54	2.45	0.73	0.10
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	22.39	2.09	2.42	0.26	0.06
Adjusted Treatment Mean Square	80.90	4.79	2.61	3.06	0.27
Coefficient of Variation	7.20	1.05	3.20	1.33	0.82
F ratio for Treatment	5.51	5.85	2.95	11.53	1.10
Total Sum of Squares	13969	1297.20	860.87	377.32	36.05
Lsd (.05) 2 Means in Same Block	8.11	2.45	2.52	0.89	0.43
Efficiency of Design Rel to RCB	128.12	111.90	100.09	240.76	138.74

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	50.45	45.00	72.50	196.33	21.54	14.99	9.21
6B952482	Tradition	60.44	46.50	75.50	192.67	23.65	13.91	9.18
COPELAND	Copeland	49.30	44.00	65.00	194.00	26.51	14.32	9.18
EM090081	05037-079	43.53	44.50	69.50	195.67	22.86	15.15	9.24
EM090105	05032-068	55.63	45.00	63.50	194.00	23.15	14.68	9.32
EM090117	03013-25	65.60	48.00	89.00	197.67	21.64	15.44	9.24
EM090128	03021-03	65.06	45.50	80.50	194.67	22.66	14.02	9.32
MT010158	Amsterdam	27.25	45.00	55.00	194.67	22.35	14.93	9.11
MT010160	MT920041/Harrington	38.62	44.00	57.00	196.00	23.32	13.79	9.26
MT020155	MT960225/H1851195	55.00	45.00	51.50	190.00	23.79	13.56	9.42
MT020162	MT960225/H1851195	41.53	42.00	44.50	197.00	23.58	14.83	9.22
MT030042	MT910189/MT960099	52.12	44.00	40.50	193.33	21.92	13.67	9.19
MT061035	Baronesse/MT981210	55.89	45.00	68.00	194.67	21.06	14.30	9.25
MT061104	Harrington/MT970229	47.79	46.00	66.00	194.67	23.53	13.98	9.12
MT061134	Kendal/Conlon	49.48	44.00	71.50	195.67	22.36	13.47	8.98
MT061169	MT960101/Coors 37	59.00	46.00	70.00	194.67	22.52	14.53	9.26
MT061201	MT970110/LK232	54.54	46.00	61.50	193.33	23.03	14.19	9.29
MT070086	MT970148/Coors37	52.29	45.50	81.00	195.00	20.01	14.27	9.44
MT070111	MT010178/Harrington	52.85	47.00	71.00	193.33	24.46	14.73	9.54
MT070125	MT981210/MT970116	44.78	47.00	62.00	197.00	24.01	15.69	9.22
MT070136	MT010178/MT970148	49.74	45.00	71.00	196.67	23.86	14.68	9.13
MT070148	MT990172/Metcalfe	51.05	45.00	84.00	194.00	22.73	14.97	9.28
MT070158	MT970148/Klages	53.77	44.00	69.50	194.00	22.57	14.66	9.16
MT070159	MT970148/Klages	57.29	45.50	72.00	194.33	21.54	13.84	9.13
MT070161	MT970148/Klages	57.42	46.00	73.00	194.00	22.60	14.85	9.54
MT070174	LK644///Hockett F5	46.85	46.00	78.50	193.33	22.14	12.80	8.86
MT070175	LK644///Hockett F5	47.22	45.00	63.00	194.33	24.17	12.96	9.32
MT080081	Coors/Metcalfe	56.30	45.50	78.00	194.00	21.84	15.00	9.23
MT080083	Coors/Metcalfe	57.91	45.50	71.50	194.33	22.65	14.73	9.13
MT080085	Coors/Metcalfe	56.12	47.00	81.00	196.00	22.06	15.38	9.20
MT080100	Karma	6.65	58.00	55.50	194.33	23.23	19.00	8.36
MT080243	MT960101/MT981210	54.08	45.50	63.50	194.67	24.57	14.13	9.32
MT080261	MT970026/MT981091	50.25	42.00	43.50	193.67	22.24	14.47	9.26
MT080279	MT970148/MT970116	59.32	44.00	59.00	193.00	22.68	14.17	9.21
MT080281	MT970148/MT970116	52.94	45.50	70.50	194.00	20.86	14.14	9.14
MT080285	MT970148/MT970116	46.38	44.00	60.00	195.00	20.91	14.92	9.25
MT090169	MT910189*/LK644/EslickBC3F43G3	45.44	45.50	63.50	194.00	21.61	12.32	9.07
MT090176	MT910189*/LK644/EslickBC3F33-G	50.43	45.00	51.00	196.00	25.05	13.34	8.98
MT090178	MT910189*/LK644/EslickBC3F33-G	54.11	47.50	75.50	195.00	25.28	12.94	9.24
MT090180	MT910189*/LK644/EslickBC3F33-G	58.74	44.50	63.50	195.33	25.75	13.50	9.12
MT090181	MT910189*/LK644/EslickBC3F33-G	47.19	46.50	73.50	194.66	24.60	13.36	9.06
MT090182	MT910189*/LK644/EslickBC3F33-G	46.69	44.00	56.00	196.00	26.00	12.93	9.23
MT090183	MT910189*/LK644/EslickBC3F33-G	50.87	42.50	49.00	194.00	24.69	13.13	8.99
MT090184	MT910189*/LK644/EslickBC3F33-G	42.08	46.00	68.00	197.00	23.84	13.27	9.24
MT090186	MT910189*/LK644/EslickBC3F33-G	49.42	45.00	70.00	196.67	25.64	13.27	9.17
MT090188	MT910189*/LK644/EslickBC3F33-G	49.54	46.00	65.50	195.67	25.66	13.42	8.93
MT090190	MT910189*/LK644/EslickBC3F33-G	50.14	47.00	79.50	195.67	25.50	13.35	8.99
MT090191	MT910189*/LK644/EslickBC3F33-G	48.97	45.50	53.00	194.33	23.99	13.74	8.93
MT090192	MT910189*/LK644/EslickBC3F33-G	48.06	44.50	65.50	196.67	26.14	13.76	8.94
MT090193	MT910189*/LK644/EslickBC3F33-G	55.53	45.00	62.50	195.67	25.63	13.40	8.79
MT090194	MT910189*/LK644/EslickBC3F33-G	48.16	46.50	71.50	195.67	26.00	13.36	9.18
MT090202	MT910189*/LK644/EslickBC3F37-I	44.91	45.00	63.50	193.67	22.84	13.29	9.22
MT090227	MT910189*/LK644/EslickBC3F37-L	44.52	44.50	61.50	194.67	22.94	12.73	9.55
MT090229	MT910189*/LK644/EslickBC3F37-L	47.83	45.00	61.50	193.67	23.00	12.77	9.46
MT910189	Hockett	48.27	46.00	68.50	192.67	22.10	13.93	8.79
MT950186	Haxby	58.63	48.00	75.50	193.33	22.24	14.35	9.09

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT960101	Geraldine	50.28	46.00	58.00	197.00	20.85	14.96	9.04
MT970116	Craft	56.62	46.00	74.50	193.33	25.87	13.76	9.32
PI568246	Baronesse	60.03	44.00	60.50	194.33	23.47	14.86	9.27
PI643354	Pinnacle	48.37	46.50	73.50	190.00	21.17	12.20	9.32
SK 76333	Harrington	49.47	42.00	49.50	194.67	24.37	14.71	9.42
Scarlett	Scarlett	50.17	45.00	66.50	196.00	21.90	15.19	9.14
TR232	Metcalfe	50.01	45.00	62.00	192.00	25.06	14.69	9.24
YU501385	Champion	72.91	47.00	78.50	194.00	24.28	13.00	9.45
Mean		50.81	45.46	66.09	194.62	23.35	14.10	9.18

	Yield	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	1822.84	1.79	26.18	4.00	0.22
Treatment Sum of Squares	14762	423.91	513.37	209.82	8.71
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	28.03	1.11	3.04	0.29	0.130
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	26.97	1.11	2.59	0.21	0.060
Adjusted Treatment Mean Square	33.37	1.10	5.29	0.66	0.48
Coefficient of Variation	7.29	0.76	3.33	1.22	0.81
F ratio for Treatment	7.53	4.92	2.53	12.58	1.55
Total Sum of Squares	20117	565.24	922.88	250.11	25.88
Lsd (.05) 2 Means in Same Block	8.39	1.70	2.71	0.79	0.44
Efficiency of Design Rel to RCB	100.74	99.94	108.15	120.88	179.87

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/bu (1 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)
2B965057	Conrad	120.16	51.60	88.05	190.47	33.25	15.79
6B952482	Tradition	97.76	49.20	81.93	188.83	36.50	15.51
COPELAND	Copeland	110.72	51.30	85.83	194.32	39.59	13.56
EM090081	05037-079	88.71	53.00	93.19	194.12	36.02	16.03
EM090105	05032-068	110.17	49.90	87.76	189.70	35.16	15.44
EM090117	03013-25	104.68	49.50	85.97	196.88	34.41	15.15
EM090128	03021-03	111.20	51.60	83.30	192.84	30.64	15.71
MT010158	Amsterdam	116.80	53.40	92.98	189.94	35.95	14.03
MT010160	MT920041/Harrington	107.85	51.80	92.15	189.53	36.18	14.93
MT020155	MT960225/H1851195	95.45	52.00	93.07	185.20	35.39	14.16
MT020162	MT960225/H1851195	119.08	51.50	91.95	191.36	37.05	14.22
MT030042	MT910189/MT960099	112.11	50.90	74.26	189.00	31.76	14.23
MT061035	Baronesse/MT981210	115.35	50.40	92.86	192.17	31.16	13.63
MT061104	Harrington/MT970229	108.20	51.60	93.82	187.80	36.80	14.38
MT061134	Kendal/Conlon	98.76	51.40	94.63	189.68	36.66	14.78
MT061169	MT960101/Coors 37	105.52	52.80	96.03	191.96	34.64	15.11
MT061201	MT970110/LK232	95.37	50.10	84.27	188.74	36.00	14.10
MT070086	MT970148/Coors37	95.41	52.70	97.70	189.90	26.84	13.25
MT070111	MT010178/Harrington	123.73	52.40	92.78	191.91	37.90	14.98
MT070125	MT981210/MT970116	119.74	53.90	94.36	191.33	36.92	14.38
MT070136	MT010178/MT970148	111.43	51.20	89.85	192.19	38.74	15.11
MT070148	MT990172/Metcalfe	104.30	51.20	92.72	186.70	36.81	15.01
MT070158	MT970148/Klages	117.56	53.00	95.71	186.76	32.60	13.71
MT070159	MT970148/Klages	120.90	50.20	97.28	185.69	31.55	13.64
MT070161	MT970148/Klages	103.93	53.90	95.78	187.00	30.23	13.18
MT070174	LK644///Hockett F5	107.36	51.80	95.43	187.42	34.56	12.61
MT070175	LK644///Hockett F5	115.27	52.80	95.08	188.73	36.42	12.27
MT080081	Coors/Metcalfe	113.89	53.30	96.40	192.68	33.22	14.50
MT080083	Coors/Metcalfe	114.37	52.90	96.06	193.07	33.99	14.76
MT080085	Coors/Metcalfe	110.16	51.20	85.11	192.95	36.70	15.37
MT080100	Karma	52.99	54.30	90.96	190.20	31.55	16.70
MT080243	MT960101/MT981210	109.63	50.30	81.27	191.16	36.07	15.06
MT080261	MT970026/MT981091	105.57	51.10	92.44	186.53	33.45	13.91
MT080279	MT970148/MT970116	120.48	53.40	94.31	186.11	33.21	13.87
MT080281	MT970148/MT970116	112.61	51.80	93.49	186.87	32.47	13.64
MT080285	MT970148/MT970116	117.99	52.30	94.85	187.31	32.59	14.23
MT090169	MT910189*/LK644/EslickBC3F43G3	119.88	50.70	89.34	187.50	35.77	12.89
MT090176	MT910189*/LK644/EslickBC3F33-G	112.33	50.70	88.17	191.84	38.11	12.83
MT090178	MT910189*/LK644/EslickBC3F33-G	114.82	52.50	91.88	190.27	36.19	13.39
MT090180	MT910189*/LK644/EslickBC3F33-G	114.94	50.50	85.17	191.18	37.48	13.24
MT090181	MT910189*/LK644/EslickBC3F33-G	113.89	52.10	94.87	190.72	37.64	13.29
MT090182	MT910189*/LK644/EslickBC3F33-G	127.99	52.50	93.38	190.55	36.71	12.77
MT090183	MT910189*/LK644/EslickBC3F33-G	107.75	51.80	93.92	190.50	39.42	13.10
MT090184	MT910189*/LK644/EslickBC3F33-G	118.57	51.80	92.00	191.32	35.79	12.78
MT090186	MT910189*/LK644/EslickBC3F33-G	127.44	51.80	92.76	190.84	39.03	12.85
MT090188	MT910189*/LK644/EslickBC3F33-G	116.74	52.50	94.43	191.53	38.79	12.67
MT090190	MT910189*/LK644/EslickBC3F33-G	120.53	52.40	92.95	189.59	38.30	13.08
MT090191	MT910189*/LK644/EslickBC3F33-G	102.39	51.70	93.88	190.77	34.73	12.56
MT090192	MT910189*/LK644/EslickBC3F33-G	110.38	52.50	89.88	190.85	38.20	13.13

2011 Spring Barley Irrigated Intrastate **Kalispell**

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/bu (1 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)
MT090193	MT910189*/LK644/EslickBC3F33-G	122.75	51.70	92.27	191.55	38.83	13.80
MT090194	MT910189*/LK644/EslickBC3F33-G	102.04	50.90	91.79	191.06	37.57	13.07
MT090202	MT910189*/LK644/EslickBC3F37-I	111.06	52.70	93.66	188.72	38.91	12.68
MT090227	MT910189*/LK644/EslickBC3F37-L	113.56	53.30	97.03	188.59	39.36	12.39
MT090229	MT910189*/LK644/EslickBC3F37-L	125.87	52.30	94.44	186.72	36.38	13.12
MT910189	Hockett	111.32	53.60	95.57	186.05	35.63	14.39
MT950186	Haxby	97.94	51.60	88.88	189.12	35.69	15.26
MT960101	Geraldine	107.44	51.00	85.81	191.91	34.94	15.17
MT970116	Craft	93.66	53.00	83.42	187.28	37.55	15.70
PI568246	Baronesse	98.87	51.80	92.28	192.27	34.51	14.79
PI643354	Pinnacle	100.91	51.80	95.98	188.11	39.65	12.35
SK 76333	Harrington	105.13	50.60	85.08	191.47	36.42	14.67
Scarlett	Scarlett	109.45	50.20	86.39	192.17	32.42	15.54
TR232	Metcalfe	106.63	50.00	85.20	192.58	37.17	15.18
YU501385	Champion	121.86	51.80	88.04	187.87	37.20	14.12
Mean		109.86	51.80	91.12	190.00	35.65	14.09

	Yield	Heading Date	Plant Ht
Replication Sum of Squares	634.00	70.41	113.41
Treatment Sum of Squares	22745	1077.33	1448.17
Treatment Degrees of Freedom	63	63	63
Error Mean Square (RCB)	156.73	1.10	5.43
Error Degrees of Freedom	105	105	105
Intra Block Error Mean Square	125.61	0.89	3.14
Adjusted Treatment Mean Square	312.32	2.15	16.90
Coefficient of Variation	10.69	0.68	2.97
F ratio for Treatment	2.86	18.21	5.97
Total Sum of Squares	43127	1286.00	2246.21
Lsd (.05) 2 Means in Same Block	19.03	1.60	3.06
Efficiency of Design Rel to RCB	113.47	112.66	152.35

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (2 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
2B965057	Conrad	40.65	52.19	61.85	196.24	18.30	12.20	10.90
6B952482	Tradition	40.93	53.49	72.51	187.61	21.33	11.60	10.60
COPELAND	Copeland	37.06	51.28	53.31	194.29	18.74	12.60	10.80
EM090081	05037-079	38.37	54.64	69.85	194.29	20.67	9.90	10.90
EM090105	05032-068	44.73	51.97	64.78	190.94	19.79	10.90	10.90
EM090117	03013-25	37.36	52.83	88.09	198.33	17.97	10.40	10.70
EM090128	03021-03	41.62	53.64	57.99	193.97	19.32	11.10	10.90
MT010158	Amsterdam	36.67	53.06	55.48	194.26	20.36	13.30	10.90
MT010160	MT920041/Harrington	44.12	51.73	50.38	192.54	20.32	11.30	10.80
MT020155	MT960225/H1851195	43.70	50.18	46.17	186.76	19.76	9.90	10.00
MT020162	MT960225/H1851195	38.81	53.48	26.74	196.94	18.48	13.50	10.50
MT030042	MT910189/MT960099	44.49	54.54	48.81	192.64	18.52	10.10	10.70
MT061035	Baronesse/MT981210	45.28	52.61	58.95	197.56	17.96	9.60	10.50
MT061104	Harrington/MT970229	49.82	51.61	68.39	190.06	20.38	10.50	10.60
MT061134	Kendal/Conlon	40.11	50.81	48.43	193.19	20.40	12.40	10.80
MT061169	MT960101/Coors 37	40.67	51.60	59.78	198.34	18.08	10.80	9.90
MT061201	MT970110/LK232	46.31	52.54	75.62	192.20	21.45	9.50	10.40
MT070086	MT970148/Coors37	42.52	52.33	70.70	196.28	16.70	11.40	10.80
MT070111	MT010178/Harrington	41.52	53.60	57.76	193.16	19.50	10.70	11.10
MT070125	MT981210/MT970116	41.64	53.52	48.52	196.62	20.64	11.50	10.40
MT070136	MT010178/MT970148	40.96	53.58	44.75	195.00	21.19	13.20	10.80
MT070148	MT990172/Metcalfe	43.65	52.05	70.01	192.49	18.24	10.30	10.50
MT070158	MT970148/Klages	43.75	54.03	75.80	195.18	18.70	10.30	9.90
MT070159	MT970148/Klages	46.08	53.16	78.28	194.25	18.01	9.50	9.70
MT070161	MT970148/Klages	43.74	54.13	61.82	195.42	19.22	11.70	10.80
MT070174	LK644///Hockett F5	46.10	54.91	82.93	189.78	20.40	11.30	10.70
MT070175	LK644///Hockett F5	44.95	53.41	73.92	189.11	22.29	10.20	10.90
MT080081	Coors/Metcalfe	42.84	53.35	82.52	195.93	17.81	10.70	9.80
MT080083	Coors/Metcalfe	43.28	52.96	83.43	196.31	18.46	11.60	10.80
MT080085	Coors/Metcalfe	36.45	53.70	52.01	197.64	18.14	10.30	10.90
MT080100	Karma	17.91	61.86	0.00	190.30	20.50	15.80	10.30
MT080243	MT960101/MT981210	35.50	51.56	38.78	195.69	18.96	13.30	10.50
MT080261	MT970026/MT981091	46.70	53.13	46.75	191.19	18.95	10.60	10.60
MT080279	MT970148/MT970116	40.17	51.71	53.68	195.47	18.28	12.30	10.70
MT080281	MT970148/MT970116	48.32	52.81	73.10	193.62	17.55	9.30	10.70
MT080285	MT970148/MT970116	42.99	51.94	60.73	197.21	17.21	9.80	9.90
MT090169	MT910189*/LK644/EslickBC3F43G3	46.83	53.69	86.85	191.71	19.65	8.30	10.70
MT090176	MT910189*/LK644/EslickBC3F33-G	44.77	52.69	65.19	193.60	22.27	10.80	11.10
MT090178	MT910189*/LK644/EslickBC3F33-G	46.25	53.82	71.20	193.74	20.98	10.20	10.90
MT090180	MT910189*/LK644/EslickBC3F33-G	45.19	53.88	74.31	192.34	21.70	9.70	10.70
MT090181	MT910189*/LK644/EslickBC3F33-G	45.19	54.04	75.45	193.01	21.51	10.30	11.10
MT090182	MT910189*/LK644/EslickBC3F33-G	44.72	53.63	68.46	194.62	21.07	10.10	10.90
MT090183	MT910189*/LK644/EslickBC3F33-G	42.99	52.71	74.13	192.16	20.67	10.40	10.60
MT090184	MT910189*/LK644/EslickBC3F33-G	41.31	53.29	63.02	194.97	20.72	11.20	11.00
MT090186	MT910189*/LK644/EslickBC3F33-G	47.97	54.09	66.61	193.92	22.16	10.00	10.80
MT090188	MT910189*/LK644/EslickBC3F33-G	46.13	53.87	89.26	194.73	21.67	8.40	11.00
MT090190	MT910189*/LK644/EslickBC3F33-G	44.79	53.67	83.57	194.06	20.89	9.90	11.40
MT090191	MT910189*/LK644/EslickBC3F33-G	41.57	54.32	76.05	194.48	19.82	9.80	10.50
MT090192	MT910189*/LK644/EslickBC3F33-G	48.26	54.33	67.35	192.91	21.80	9.90	10.90
MT090193	MT910189*/LK644/EslickBC3F33-G	44.99	52.91	68.75	192.81	21.93	11.60	11.20
MT090194	MT910189*/LK644/EslickBC3F33-G	41.02	53.65	81.23	193.97	21.32	10.10	9.80
MT090202	MT910189*/LK644/EslickBC3F37-I	43.00	54.06	84.82	192.85	20.30	9.70	10.90
MT090227	MT910189*/LK644/EslickBC3F37-L	42.35	52.61	78.23	190.33	21.17	10.30	11.00
MT090229	MT910189*/LK644/EslickBC3F37-L	44.00	53.60	83.97	190.45	21.03	9.30	10.50
MT910189	Hockett	43.05	54.25	76.15	193.09	20.36	10.50	10.20
MT950186	Haxby	48.46	55.18	41.08	189.87	19.49	11.00	10.60

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (2 rep)	Plump % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
MT960101	Geraldine	48.14	53.83	52.75	198.05	19.15	9.70	10.90
MT970116	Craft	44.64	55.88	81.68	187.93	21.91	10.10	10.20
PI568246	Baronesse	46.25	52.35	60.55	197.61	18.10	10.40	10.10
PI643354	Pinnacle	40.24	52.88	87.13	189.64	19.22	9.30	10.30
SK 76333	Scarlett	42.99	52.32	31.29	193.22	18.56	13.30	10.60
Scarlett	Harrington	39.55	53.71	68.46	196.46	16.25	11.00	10.80
TR232	Metcalfe	38.51	51.59	47.77	191.93	18.77	12.00	10.80
YU501385	Champion	50.54	53.47	58.87	191.70	19.92	9.60	10.80
Mean		42.87	53.29	64.48	193.55	19.77	10.79	10.64

	Yield	Heading Date	Plant Ht
Replication Sum of Squares	20.09	4.50	0.10
Treatment Sum of Squares	4291.20	1396.24	488.73
Treatment Degrees of Freedom	63	63	63
Error Mean Square (RCB)	27.93	1.91	1.76
Error Degrees of Freedom	105	105	105
Intra Block Error Mean Square	14.18	1.59	1.15
Adjusted Treatment Mean Square	96.67	3.51	4.79
Coefficient of Variation	5.75	0.91	2.41
F ratio for Treatment	4.01	11.88	5.04
Total Sum of Squares	7830.60	1641.58	710.38
Lsd (.05) 2 Means in Same Block	6.52	2.13	1.84
Efficiency of Design Rel to RCB	172.42	110.10	135.43

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	63.70	46.63	74.98	179.01	29.97	12.89	9.64
6B952482	Tradition	59.42	47.79	47.59	175.34	34.27	11.73	9.43
COPELAND	Copeland	60.08	44.40	44.74	179.69	31.50	12.83	9.43
EM090081	05037-079	61.88	46.42	48.33	181.69	31.47	12.43	9.61
EM090105	05032-068	69.54	44.66	62.30	175.69	30.94	12.34	9.57
EM090117	03013-25	67.25	47.01	73.13	183.02	29.50	12.72	9.62
EM090128	03021-03	65.09	45.49	33.72	181.00	27.24	11.96	9.66
MT010158	Amsterdam	59.63	47.91	73.82	176.98	32.52	13.12	9.73
MT010160	MT920041/Harrington	60.88	48.20	65.04	178.31	33.28	12.44	9.54
MT020155	MT960225/H1851195	78.64	49.23	75.56	173.66	35.93	11.49	9.62
MT020162	MT960225/H1851195	59.83	45.76	43.22	179.69	33.60	13.48	9.32
MT030042	MT910189/MT960099	62.43	47.99	30.68	176.01	32.16	12.32	9.58
MT061035	Baronesse/MT981210	73.93	45.55	42.30	179.68	30.72	12.24	9.37
MT061104	Harrington/MT970229	68.85	49.03	79.22	174.98	32.38	11.85	9.53
MT061134	Kendal/Conlon	76.26	48.42	69.85	177.97	35.74	12.37	9.47
MT061169	MT960101/Coors 37	71.67	45.41	40.64	176.99	32.92	13.47	9.52
MT061201	MT970110/LK232	67.68	47.10	63.85	175.99	33.67	13.05	9.47
MT070086	MT970148/Coors37	57.75	45.62	65.09	180.66	24.70	12.39	9.52
MT070111	MT010178/Harrington	62.46	45.75	30.03	179.02	34.28	13.07	9.30
MT070125	MT981210/MT970116	63.20	47.86	57.05	178.35	33.57	12.63	9.59
MT070136	MT010178/MT970148	66.80	46.87	51.64	178.97	36.71	14.18	9.46
MT070148	MT990172/Metcalfe	60.92	46.97	71.58	176.99	28.30	12.25	9.64
MT070158	MT970148/Klages	69.03	47.98	72.79	177.33	31.88	13.09	9.53
MT070159	MT970148/Klages	70.03	47.62	70.06	176.65	32.03	12.58	9.49
MT070161	MT970148/Klages	63.88	47.67	66.53	176.99	30.46	12.87	9.38
MT070174	LK644///Hockett F5	60.90	51.42	90.00	175.31	31.91	11.44	9.69
MT070175	LK644///Hockett F5	72.24	48.17	64.12	175.68	34.98	12.14	9.57
MT080081	Coors/Metcalfe	63.39	43.38	58.20	182.03	27.11	11.61	9.68
MT080083	Coors/Metcalfe	60.42	45.02	65.24	182.00	26.80	13.33	9.61
MT080085	Coors/Metcalfe	58.08	46.71	29.45	179.33	29.81	13.54	9.77
MT080100	Karma	37.39	30.38	69.53	175.00	30.92	14.69	9.69
MT080243	MT960101/MT981210	66.52	46.01	45.47	181.01	34.19	12.42	9.64
MT080261	MT970026/MT981091	66.22	49.22	52.06	173.99	31.74	12.64	9.55
MT080279	MT970148/MT970116	71.90	46.34	57.25	176.00	32.02	12.98	9.50
MT080281	MT970148/MT970116	67.87	45.45	56.32	177.01	29.37	12.20	9.63
MT080285	MT970148/MT970116	71.21	48.58	69.57	178.34	33.43	12.23	9.53
MT090169	MT910189*/LK644/EslickBC3F43G3	74.24	48.47	62.76	174.33	33.67	12.22	9.63
MT090176	MT910189*/LK644/EslickBC3F33-G	59.53	47.51	52.76	181.35	30.20	11.47	9.67
MT090178	MT910189*/LK644/EslickBC3F33-G	58.70	48.90	75.48	181.02	32.25	10.92	9.74
MT090180	MT910189*/LK644/EslickBC3F33-G	63.31	46.98	63.30	178.33	33.44	11.48	9.71
MT090181	MT910189*/LK644/EslickBC3F33-G	73.71	49.16	73.94	176.34	34.00	12.21	9.62
MT090182	MT910189*/LK644/EslickBC3F33-G	66.75	47.30	60.08	178.00	34.64	11.93	9.63
MT090183	MT910189*/LK644/EslickBC3F33-G	74.79	48.32	75.16	177.35	35.36	11.45	9.79
MT090184	MT910189*/LK644/EslickBC3F33-G	67.49	49.18	71.20	177.64	33.78	11.78	9.71
MT090186	MT910189*/LK644/EslickBC3F33-G	65.70	47.69	64.86	181.32	30.26	11.97	9.65
MT090188	MT910189*/LK644/EslickBC3F33-G	70.23	49.26	76.69	178.99	34.41	11.31	9.59
MT090190	MT910189*/LK644/EslickBC3F33-G	64.33	47.72	66.47	178.33	30.98	11.23	9.72
MT090191	MT910189*/LK644/EslickBC3F33-G	65.71	49.12	68.83	178.02	34.43	11.66	9.76
MT090192	MT910189*/LK644/EslickBC3F33-G	69.88	49.31	75.20	178.68	32.50	11.10	9.86
MT090193	MT910189*/LK644/EslickBC3F33-G	75.42	48.42	75.69	177.98	34.98	11.92	9.65
MT090194	MT910189*/LK644/EslickBC3F33-G	69.46	48.03	70.31	177.67	35.80	12.01	9.57
MT090202	MT910189*/LK644/EslickBC3F37-I	60.33	49.54	80.96	177.32	33.62	10.97	9.78

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT090227	MT910189*/LK644/EslickBC3F37-L	60.36	48.13	69.29	177.34	34.12	12.19	9.50
MT090229	MT910189*/LK644/EslickBC3F37-L	70.00	47.89	66.30	176.00	32.48	11.36	9.57
MT910189	Hockett	65.57	48.46	64.38	175.63	33.25	12.66	9.35
MT950186	Haxby	59.70	49.93	46.26	175.69	31.87	12.57	9.52
MT960101	Geraldine	69.03	45.49	31.88	179.02	30.55	13.81	9.50
MT970116	Craft	57.08	51.65	74.73	175.65	30.90	11.70	9.61
PI568246	Baronesse	71.82	46.81	54.82	180.01	30.85	12.92	9.56
PI643354	Pinnacle	70.45	48.72	82.70	174.29	33.45	11.49	9.70
SK 76333	Harrington	60.42	44.16	50.78	178.34	33.66	12.99	9.57
Scarlett	Scarlett	57.15	43.98	56.22	182.00	27.27	12.17	9.50
TR232	Metcalfe	56.44	44.22	32.29	177.66	35.05	14.48	9.54
YU501385	Champion	72.17	51.24	70.58	176.68	28.95	10.98	9.65
Mean		65.42	47.18	61.33	177.93	32.17	12.34	9.59

	Yield	Test Wt	Plump %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	1190.58	5.85	588.27	3.64	213.87	4.45	0.70
Treatment Sum of Squares	9794.77	1462.85	40075	939.65	1162.91	126.54	2.57
Treatment Degrees of Freedom	63	63	63	63	63	63	63
Error Mean Square (RCB)	50.13	1.30	79.28	0.73	6.42	0.79	0.02
Error Degrees of Freedom	105	105	105	105	105	105	105
Intra Block Error Mean Square	36.65	1.21	75.39	0.72	6.16	0.66	0.02
Adjusted Treatment Mean Square	117.57	1.74	98.75	0.78	7.73	1.44	0.03
Coefficient of Variation	7.48	1.60	11.09	0.64	4.38	2.31	0.46
F ratio for Treatment	3.13	17.45	7.19	19.54	2.91	3.07	1.85
Total Sum of Squares	17302	1632.31	50653	1034.98	2186.02	230.11	6.23
Lsd (.05) 2 Means in Same Block	10.35	1.78	14.03	1.37	4.01	1.37	0.24
Efficiency of Design Rel to RCB	122.73	102.08	101.18	100.10	100.83	109.95	101.54

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	70.19	44.96	64.77	186.87	29.64	13.23	8.60
6B952482	Tradition	66.60	46.65	67.52	183.29	31.48	12.22	8.66
COPELAND	Copeland	74.95	45.49	64.79	186.80	31.19	12.43	8.63
EM090081	05037-079	70.38	47.25	59.04	188.76	28.33	13.55	8.62
EM090105	05032-068	65.72	43.62	54.67	186.28	30.61	12.45	8.67
EM090117	03013-25	70.09	44.95	56.45	189.80	27.45	13.39	8.62
EM090128	03021-03	63.15	46.51	51.26	189.00	27.65	13.41	8.77
MT010158	Amsterdam	52.62	46.75	65.00	186.74	29.26	13.69	8.69
MT010160	MT920041/Harrington	52.87	45.87	44.23	187.28	30.34	13.53	8.62
MT020155	MT960225/H1851195	67.93	46.32	64.01	182.24	30.72	13.23	8.64
MT020162	MT960225/H1851195	59.70	46.16	58.03	186.17	29.83	13.71	8.64
MT030042	MT910189/MT960099	58.29	48.36	58.45	185.52	27.81	12.25	8.71
MT061035	Baronesse/MT981210	85.72	46.35	63.38	186.96	28.80	12.39	8.65
MT061104	Harrington/MT970229	58.88	48.27	82.76	182.99	31.22	13.04	8.67
MT061134	Kendal/Conlon	78.30	45.99	70.69	185.01	31.51	13.06	8.74
MT061169	MT960101/Coors 37	78.45	46.12	64.80	186.73	28.47	13.57	8.75
MT061201	MT970110/LK232	63.88	46.44	68.37	184.11	32.00	13.84	8.70
MT070086	MT970148/Coors37	67.81	44.14	60.06	188.99	24.94	12.93	8.67
MT070111	MT010178/Harrington	64.14	46.32	54.31	185.50	30.15	12.75	8.72
MT070125	MT981210/MT970116	56.79	46.54	57.12	187.44	29.41	12.85	8.74
MT070136	MT010178/MT970148	62.92	47.07	64.74	188.42	29.44	12.98	8.69
MT070148	MT990172/Metcalfe	55.96	46.66	75.48	183.29	28.66	13.57	8.78
MT070158	MT970148/Klages	70.91	47.00	72.62	185.30	29.05	13.02	8.69
MT070159	MT970148/Klages	70.66	46.38	72.22	184.99	28.79	13.05	8.78
MT070161	MT970148/Klages	69.46	46.69	72.78	185.43	27.56	13.47	8.65
MT070174	LK644///Hockett F5	48.17	48.74	81.49	183.68	29.16	11.88	8.66
MT070175	LK644///Hockett F5	65.02	46.86	69.14	187.06	29.73	11.04	8.66
MT080081	Coors/Metcalfe	64.87	46.78	73.18	187.66	27.76	13.40	8.72
MT080083	Coors/Metcalfe	62.40	46.15	71.81	188.26	27.14	13.21	8.83
MT080085	Coors/Metcalfe	61.59	48.97	65.53	187.97	28.62	13.12	8.78
MT080100	Karma	30.54	58.92	54.35	184.30	28.62	16.99	8.44
MT080243	MT960101/MT981210	75.17	45.58	54.80	186.69	32.84	12.86	8.73
MT080261	MT970026/MT981091	56.26	45.79	52.39	183.17	28.65	14.18	8.64
MT080279	MT970148/MT970116	76.63	45.92	66.50	184.78	28.01	13.04	8.80
MT080281	MT970148/MT970116	71.37	45.76	69.98	185.46	27.21	12.66	8.80
MT080285	MT970148/MT970116	77.75	47.88	77.99	184.89	28.60	13.25	8.70
MT090169	MT910189*/LK644/EslickBC3F43G3	64.47	46.76	61.93	185.49	30.69	11.01	8.76
MT090176	MT910189*/LK644/EslickBC3F33-G	50.13	46.82	59.26	187.45	31.94	11.58	8.73
MT090178	MT910189*/LK644/EslickBC3F33-G	51.46	47.53	62.91	188.87	31.73	11.55	8.73
MT090180	MT910189*/LK644/EslickBC3F33-G	57.44	45.59	51.89	187.14	29.48	12.24	8.60
MT090181	MT910189*/LK644/EslickBC3F33-G	57.76	46.31	65.06	186.64	30.58	11.75	8.61
MT090182	MT910189*/LK644/EslickBC3F33-G	55.56	45.62	53.57	186.78	30.51	12.17	8.63
MT090183	MT910189*/LK644/EslickBC3F33-G	50.60	45.30	58.11	187.36	28.81	12.08	8.72
MT090184	MT910189*/LK644/EslickBC3F33-G	54.97	46.76	57.85	189.44	29.73	12.15	8.64
MT090186	MT910189*/LK644/EslickBC3F33-G	53.83	47.73	60.63	189.43	29.62	11.72	8.79
MT090188	MT910189*/LK644/EslickBC3F33-G	52.15	47.03	62.24	188.37	30.99	11.85	8.65
MT090190	MT910189*/LK644/EslickBC3F33-G	58.07	46.59	60.73	188.19	29.76	11.87	8.74
MT090191	MT910189*/LK644/EslickBC3F33-G	51.51	47.68	59.63	188.31	28.20	12.06	8.72
MT090192	MT910189*/LK644/EslickBC3F33-G	56.04	47.54	63.22	187.82	27.64	11.52	8.59
MT090193	MT910189*/LK644/EslickBC3F33-G	59.37	46.41	63.31	187.44	31.69	12.07	8.58
MT090194	MT910189*/LK644/EslickBC3F33-G	60.45	46.12	64.78	188.05	30.15	12.15	8.80
MT090202	MT910189*/LK644/EslickBC3F37-I	54.31	47.85	74.68	185.93	28.99	11.55	8.74

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT090227	MT910189*/LK644/EslickBC3F37-L	56.97	46.22	67.39	187.43	29.54	10.97	8.57
MT090229	MT910189*/LK644/EslickBC3F37-L	68.80	46.07	66.52	186.04	30.76	10.72	8.77
MT910189	Hockett	56.80	47.25	66.85	183.58	30.36	13.27	8.60
MT950186	Haxby	60.27	48.98	71.51	185.58	26.29	13.21	8.69
MT960101	Geraldine	74.75	47.89	62.26	189.51	28.14	12.96	8.80
MT970116	Craft	54.94	47.27	65.30	183.30	31.20	13.18	8.57
PI568246	Baronesse	81.07	46.37	64.03	188.24	27.77	12.71	8.70
PI643354	Pinnacle	46.23	46.93	75.96	182.28	28.93	11.11	8.70
SK 76333	Harrington	59.43	45.64	55.75	188.26	30.19	13.55	8.58
Scarlett	Scarlett	55.82	43.71	60.65	188.37	27.15	13.65	8.76
TR232	Metcalfe	57.01	47.24	66.37	185.95	31.22	13.59	8.82
YU501385	Champion	73.91	48.76	69.56	185.58	29.16	11.96	8.74
Mean		62.19	46.78	64.01	186.48	29.40	12.71	8.69

	Yield	Test Wt	Plump %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	3873.68	58.89	4129.47	6.64	93.08	97.03	0.70
Treatment Sum of Squares	19712	677.88	10773	702.58	467.44	191.07	1.14
Treatment Degrees of Freedom	63	63	63	63	63	63	63
Error Mean Square (RCB)	45.40	0.74	31.69	1.16	3.49	0.29	0.01
Error Degrees of Freedom	105	105	105	105	105	105	105
Intra Block Error Mean Square	26.09	0.50	21.41	1.23	2.97	0.18	0.01
Adjusted Treatment Mean Square	141.93	1.98	83.10	0.82	6.10	0.84	0.02
Coefficient of Variation	6.48	1.03	5.78	0.81	3.18	1.19	0.34
F ratio for Treatment	9.38	18.63	7.64	8.20	2.26	14.04	1.55
Total Sum of Squares	29306	830.55	18895	855.92	1000.85	294.66	3.28
Lsd (.05) 2 Means in Same Block	8.81	1.21	7.94	1.79	2.91	0.73	0.16
Efficiency of Design Rel to RCB	153.16	132.92	131.73	94.47	108.29	141.70	103.87

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
2B965057	Conrad	81.30	52.99	97.36	201.23	27.24	11.45	9.18
6B952482	Tradition	79.10	51.18	97.00	197.31	33.68	10.92	9.11
COPELAND	Copeland	86.18	52.43	97.90	200.84	32.08	11.39	9.27
EM090081	05037-079	82.72	53.90	97.70	204.93	29.02	11.55	9.40
EM090105	05032-068	83.71	52.94	97.43	199.90	28.32	10.98	9.20
EM090117	03013-25	82.34	52.34	97.79	204.36	27.40	11.15	9.05
EM090128	03021-03	90.82	53.49	97.07	201.93	24.37	11.24	9.24
MT010158	Amsterdam	68.68	53.06	96.86	201.98	29.70	11.72	9.15
MT010160	MT920041/Harrington	78.95	53.60	94.78	202.60	32.26	10.98	9.20
MT020155	MT960225/H1851195	85.90	53.23	96.12	198.29	29.76	13.09	9.32
MT020162	MT960225/H1851195	83.04	52.98	96.24	203.40	28.65	11.51	9.20
MT030042	MT910189/MT960099	72.24	54.44	97.31	199.68	30.29	11.38	9.09
MT061035	Baronesse/MT981210	104.41	53.37	97.49	200.78	27.28	11.82	9.05
MT061104	Harrington/MT970229	75.10	53.18	98.13	200.68	30.42	10.66	8.97
MT061134	Kendal/Conlon	85.20	52.59	98.30	200.43	26.64	11.21	9.10
MT061169	MT960101/Coors 37	85.73	53.96	96.51	200.93	26.65	10.76	9.24
MT061201	MT970110/LK232	80.76	53.43	96.96	200.51	28.30	11.52	9.26
MT070086	MT970148/Coors37	97.21	53.36	96.33	200.24	22.88	12.25	9.00
MT070111	MT010178/Harrington	94.82	54.05	97.28	200.28	29.31	11.51	9.02
MT070125	MT981210/MT970116	85.10	53.49	97.31	202.24	29.10	11.58	9.22
MT070136	MT010178/MT970148	83.33	52.78	97.09	203.99	29.39	12.01	9.09
MT070148	MT990172/Metcalfe	82.51	53.49	98.86	199.53	29.35	10.97	9.26
MT070158	MT970148/Klages	90.83	53.28	98.22	199.49	27.62	11.01	9.20
MT070159	MT970148/Klages	87.96	53.22	97.93	199.46	25.65	12.08	9.10
MT070161	MT970148/Klages	76.87	52.98	97.87	199.79	26.78	10.95	9.20
MT070174	LK644///Hockett F5	73.76	53.33	98.36	199.08	29.37	11.01	9.33
MT070175	LK644///Hockett F5	87.95	52.96	97.11	201.75	30.28	11.18	9.16
MT080081	Coors/Metcalfe	82.16	52.03	97.11	202.29	24.42	11.07	9.24
MT080083	Coors/Metcalfe	95.88	52.61	96.93	202.26	27.58	11.93	9.10
MT080085	Coors/Metcalfe	78.53	53.83	93.87	202.23	28.99	11.75	9.36
MT080100	Karma	49.96	41.99	94.52	199.32	31.30	11.00	9.35
MT080243	MT960101/MT981210	84.60	53.40	96.88	201.86	28.68	10.57	9.32
MT080261	MT970026/MT981091	81.81	53.81	95.03	199.30	30.03	12.35	9.16
MT080279	MT970148/MT970116	86.60	52.48	97.65	199.16	24.94	11.97	9.34
MT080281	MT970148/MT970116	89.27	52.55	97.53	199.40	23.76	10.20	9.24
MT080285	MT970148/MT970116	80.56	53.45	97.92	200.87	27.30	10.29	9.33
MT090169	MT910189*/LK644/EslickBC3F43G3	73.04	52.81	97.36	200.22	27.74	12.64	9.21
MT090176	MT910189*/LK644/EslickBC3F33-G	86.13	53.47	97.68	203.21	30.93	11.54	9.01
MT090178	MT910189*/LK644/EslickBC3F33-G	78.07	52.88	97.75	202.33	27.36	11.59	9.32
MT090180	MT910189*/LK644/EslickBC3F33-G	80.30	51.94	97.25	202.63	30.32	10.15	9.11
MT090181	MT910189*/LK644/EslickBC3F33-G	84.72	53.25	97.96	201.93	28.00	10.62	9.34
MT090182	MT910189*/LK644/EslickBC3F33-G	77.99	53.13	97.52	202.40	30.98	10.90	9.24
MT090183	MT910189*/LK644/EslickBC3F33-G	80.84	52.55	97.68	202.49	30.02	10.66	9.27
MT090184	MT910189*/LK644/EslickBC3F33-G	83.00	54.09	97.74	203.84	29.67	11.90	9.18
MT090186	MT910189*/LK644/EslickBC3F33-G	93.08	54.78	98.05	203.55	30.33	12.29	9.23
MT090188	MT910189*/LK644/EslickBC3F33-G	78.49	52.63	97.75	203.36	29.04	11.42	9.23
MT090190	MT910189*/LK644/EslickBC3F33-G	83.16	52.89	97.86	202.00	28.97	11.78	9.29
MT090191	MT910189*/LK644/EslickBC3F33-G	83.37	54.04	98.44	202.26	31.68	10.76	9.21
MT090192	MT910189*/LK644/EslickBC3F33-G	78.42	53.01	98.05	202.38	30.01	11.40	9.32
MT090193	MT910189*/LK644/EslickBC3F33-G	79.86	52.15	96.94	203.24	30.21	11.42	9.06
MT090194	MT910189*/LK644/EslickBC3F33-G	82.28	51.73	97.05	201.85	30.94	11.68	8.98
MT090202	MT910189*/LK644/EslickBC3F37-I	73.10	53.35	97.97	200.97	29.55	12.29	9.19
MT090227	MT910189*/LK644/EslickBC3F37-L	80.61	52.99	97.46	200.78	29.06	10.99	9.34
MT090229	MT910189*/LK644/EslickBC3F37-L	83.64	52.92	97.54	200.74	29.31	11.99	9.22
MT910189	Hockett	85.61	54.26	97.62	199.94	28.78	10.49	9.42
MT950186	Haxby	80.69	54.02	96.88	199.24	25.70	12.32	9.15
MT960101	Geraldine	82.17	53.65	95.76	203.26	26.63	10.69	9.39

2011 Spring Barley Dryland Intrastate **Conrad**

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
MT970116	Craft	85.80	53.46	97.52	199.76	31.58	12.02	9.08
PI568246	Baronesse	95.72	53.61	97.18	200.13	26.64	10.89	9.49
PI643354	Pinnacle	72.81	53.52	98.12	201.11	31.01	10.42	9.26
SK 76333	Harrington	92.58	53.71	97.56	201.25	29.38	14.04	9.27
Scarlett	Scarlett	86.23	53.17	98.37	204.01	26.64	11.23	9.24
TR232	Metcalfe	78.72	52.95	96.72	200.85	31.69	12.17	9.30
YU501385	Champion	89.26	54.18	96.82	199.61	29.04	12.07	8.87
Mean		82.90	53.02	97.27	201.28	28.75	11.43	9.21

	Yield	Test Wt	Plump %	Heading Date	Plant Ht
Replication Sum of Squares	674.33	28.59	14.61	1.89	8.00
Treatment Sum of Squares	17852	439.66	161.59	486.37	891.33
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	160.37	5.65	0.87	0.91	0.69
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	71.03	5.10	0.88	0.75	0.72
Adjusted Treatment Mean Square	606.84	8.40	0.79	1.67	0.54
Coefficient of Variation	9.26	3.10	0.95	0.61	1.58
F ratio for Treatment	2.26	1.42	2.70	9.58	18.12
Total Sum of Squares	44802	1180.61	286.08	602.37	986.00
Lsd (.05) 2 Means in Same Block	14.62	3.65	1.52	1.47	1.37
Efficiency of Design Rel to RCB	196.69	103.96	98.15	110.33	95.82

Latice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
2B965057	Conrad	104.37	53.03	94.79	194.99	26.58	9.43	8.54
6B952482	Tradition	104.95	52.20	95.20	191.68	32.90	7.90	8.05
COPELAND	Copeland	101.42	51.85	93.59	194.56	30.87	7.84	8.12
EM090081	05037-079	108.09	52.51	93.94	196.78	28.08	9.93	8.04
EM090105	05032-068	96.52	51.85	87.88	193.31	25.94	8.88	8.12
EM090117	03013-25	98.75	52.08	94.37	199.61	24.00	8.77	8.10
EM090128	03021-03	109.10	52.78	85.92	199.88	23.00	9.55	8.18
MT010158	Amsterdam	88.43	53.91	97.42	194.35	28.57	8.47	8.50
MT010160	MT920041/Harrington	103.83	52.59	89.39	194.36	30.99	8.50	8.25
MT020155	MT960225/H1851195	97.20	53.40	93.71	190.02	27.34	8.95	8.31
MT020162	MT960225/H1851195	110.25	53.41	90.16	197.19	27.75	8.46	8.20
MT030042	MT910189/MT960099	92.46	54.41	87.82	192.59	26.47	9.52	8.06
MT061035	Baronesse/MT981210	110.67	52.82	84.08	194.36	26.01	8.72	8.34
MT061104	Harrington/MT970229	90.98	54.65	95.83	192.10	27.77	9.68	8.25
MT061134	Kendal/Conlon	94.46	52.55	98.38	195.55	25.43	9.88	8.26
MT061169	MT960101/Coors 37	103.09	53.62	91.70	193.50	24.40	8.85	8.40
MT061201	MT970110/LK232	99.35	54.17	95.57	195.99	29.23	8.46	8.13
MT070086	MT970148/Coors37	103.56	51.93	86.24	195.37	19.26	9.09	7.76
MT070111	MT010178/Harrington	97.41	52.99	91.09	195.10	26.65	8.96	7.92
MT070125	MT981210/MT970116	98.20	54.28	96.76	198.05	27.57	9.01	8.01
MT070136	MT010178/MT970148	95.49	53.95	92.78	197.88	27.75	10.69	8.12
MT070148	MT990172/Metcalfe	99.79	54.24	95.59	192.16	26.63	8.67	8.09
MT070158	MT970148/Klages	96.67	53.09	93.56	192.82	25.75	12.26	8.46
MT070159	MT970148/Klages	89.75	52.28	86.87	191.65	23.51	8.17	7.97
MT070161	MT970148/Klages	105.09	54.32	95.63	192.05	24.63	8.80	8.33
MT070174	LK644///Hockett F5	85.04	52.84	95.70	192.30	26.48	7.55	8.48
MT070175	LK644///Hockett F5	106.48	52.94	90.21	192.13	28.64	9.01	8.40
MT080081	Coors/Metcalfe	103.73	49.48	85.15	196.94	21.98	8.26	8.06
MT080083	Coors/Metcalfe	95.61	50.50	85.20	197.04	23.82	8.52	8.26
MT080085	Coors/Metcalfe	94.91	52.98	88.67	194.18	27.24	8.27	8.13
MT080100	Karma	66.15	61.30	87.05	193.42	29.02	8.80	8.44
MT080243	MT960101/MT981210	106.28	54.04	88.67	194.69	26.90	7.72	8.16
MT080261	MT970026/MT981091	91.85	54.18	92.38	190.27	25.94	8.61	8.35
MT080279	MT970148/MT970116	110.49	53.17	92.47	193.01	22.82	8.53	8.18
MT080281	MT970148/MT970116	104.16	53.80	93.24	191.84	23.51	7.61	8.23
MT080285	MT970148/MT970116	108.83	53.69	93.41	193.45	24.42	8.82	8.15
MT090169	MT910189*/LK644/EslickBC3F43G3	107.30	53.90	95.64	191.71	25.46	9.19	8.45
MT090176	MT910189*/LK644/EslickBC3F33-G	98.78	52.55	91.32	196.57	29.17	8.65	8.58
MT090178	MT910189*/LK644/EslickBC3F33-G	90.63	53.62	94.07	194.87	26.30	8.49	8.38
MT090180	MT910189*/LK644/EslickBC3F33-G	107.41	52.54	92.36	196.52	28.48	9.18	8.04
MT090181	MT910189*/LK644/EslickBC3F33-G	117.87	54.17	95.27	197.14	27.56	9.89	8.24
MT090182	MT910189*/LK644/EslickBC3F33-G	109.92	54.13	93.57	194.58	29.03	9.17	8.24
MT090183	MT910189*/LK644/EslickBC3F33-G	97.28	53.05	91.92	195.54	28.25	10.19	8.38
MT090184	MT910189*/LK644/EslickBC3F33-G	97.59	54.40	94.69	195.94	28.50	8.89	8.28
MT090186	MT910189*/LK644/EslickBC3F33-G	98.47	51.24	95.59	198.20	28.93	10.05	8.22
MT090188	MT910189*/LK644/EslickBC3F33-G	95.47	52.94	93.37	196.20	28.14	9.32	8.24
MT090190	MT910189*/LK644/EslickBC3F33-G	103.46	54.15	95.21	194.10	28.93	10.31	8.17
MT090191	MT910189*/LK644/EslickBC3F33-G	107.79	54.45	94.52	197.31	28.70	9.13	8.10
MT090192	MT910189*/LK644/EslickBC3F33-G	100.90	54.32	93.25	196.13	27.87	7.36	8.21
MT090193	MT910189*/LK644/EslickBC3F33-G	102.22	52.52	93.58	194.45	27.69	7.95	8.16
MT090194	MT910189*/LK644/EslickBC3F33-G	96.25	52.66	94.91	196.52	27.69	8.33	8.30
MT090202	MT910189*/LK644/EslickBC3F37-I	95.40	54.23	95.81	193.84	26.42	8.16	8.13
MT090227	MT910189*/LK644/EslickBC3F37-L	100.06	53.77	93.54	193.80	28.69	7.94	7.95
MT090229	MT910189*/LK644/EslickBC3F37-L	102.12	53.32	92.10	192.36	28.38	7.33	7.77
MT910189	Hockett	103.87	53.67	94.73	192.00	27.45	7.72	8.32
MT950186	Haxby	103.33	55.40	93.29	192.52	24.53	7.89	8.21
MT960101	Geraldine	111.71	53.24	87.12	197.23	26.25	9.04	8.31

Latice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
MT970116	Craft	104.73	54.75	93.18	191.37	28.97	8.18	8.10
PI568246	Baronesse	105.82	53.79	90.82	195.18	24.35	8.69	7.95
PI643354	Pinnacle	110.21	53.19	95.42	190.86	27.36	7.62	8.52
SK 76333	Harrington	100.23	52.39	89.33	195.12	27.32	7.63	7.94
Scarlett	Scarlett	103.48	53.97	94.25	196.45	24.79	7.72	8.39
TR232	Metcalfe	94.94	52.49	90.84	192.26	30.01	8.16	8.31
YU501385	Champion	116.50	55.00	92.72	192.71	26.92	9.23	7.96
Mean		100.89	53.40	92.39	194.48	26.88	8.76	8.21

	Yield	Test Wt	Plump %	Heading Date	Plant Ht
Replication Sum of Squares	2355.33	9.09	379.79	84.64	222.22
Treatment Sum of Squares	12156	386.88	2747.00	1033.25	1198.33
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	101.56	1.74	21.10	2.78	3.48
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	71.19	1.59	13.73	1.53	2.30
Adjusted Treatment Mean Square	253.41	2.46	57.94	9.04	9.37
Coefficient of Variation	8.40	1.73	3.86	0.89	2.93
F ratio for Treatment	2.59	3.90	2.18	8.43	6.20
Total Sum of Squares	27308	614.64	5785.43	1467.92	1859.00
Lsd (.05) 2 Means in Same Block	14.46	2.04	6.37	2.13	2.64
Efficiency of Design Rel to RCB	127.39	103.01	136.92	159.97	134.27

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	112.94	52.36	93.67	187.69	26.27	14.66	9.15
6B952482	Tradition	107.79	51.09	83.58	188.06	30.42	13.53	9.07
COPELAND	Copeland	108.14	50.55	90.54	188.70	30.72	13.41	8.98
EM090081	05037-079	122.99	53.97	90.92	189.20	30.07	13.90	9.19
EM090105	05032-068	117.55	52.06	92.02	187.33	27.97	13.38	9.07
EM090117	03013-25	113.25	53.09	94.48	191.94	26.18	13.89	9.21
EM090128	03021-03	112.29	54.10	86.14	190.99	25.00	13.42	9.18
MT010158	Amsterdam	86.37	53.67	94.90	186.96	28.02	14.49	9.09
MT010160	MT920041/Harrington	111.77	52.77	90.69	188.01	29.16	13.64	9.06
MT020155	MT960225/H1851195	113.19	52.97	93.21	185.33	29.62	14.00	9.11
MT020162	MT960225/H1851195	120.86	53.39	92.56	188.40	29.68	13.47	9.06
MT030042	MT910189/MT960099	114.72	53.78	84.86	186.35	27.62	12.95	9.09
MT061035	Baronesse/MT981210	121.32	52.73	91.99	187.37	27.47	13.75	9.06
MT061104	Harrington/MT970229	111.17	52.83	96.96	187.04	28.79	13.60	9.13
MT061134	Kendal/Conlon	111.97	52.65	93.20	187.35	28.86	14.24	9.07
MT061169	MT960101/Coors 37	120.63	52.37	89.88	187.38	26.07	14.47	9.06
MT061201	MT970110/LK232	111.68	52.60	94.87	187.28	30.11	13.78	9.05
MT070086	MT970148/Coors37	117.49	52.20	94.51	189.35	22.09	12.62	9.16
MT070111	MT010178/Harrington	117.63	52.65	90.59	187.40	28.61	13.30	9.07
MT070125	MT981210/MT970116	120.36	53.98	95.67	189.09	29.75	13.42	9.21
MT070136	MT010178/MT970148	111.08	53.77	93.82	188.79	29.75	14.09	9.07
MT070148	MT990172/Metcalfe	109.69	51.80	95.94	186.71	26.89	13.81	9.13
MT070158	MT970148/Klages	123.96	53.08	95.93	187.05	27.06	13.70	9.06
MT070159	MT970148/Klages	118.52	52.35	94.81	186.25	25.75	13.68	9.11
MT070161	MT970148/Klages	112.90	53.07	95.93	186.33	26.93	13.51	9.13
MT070174	LK644///Hockett F5	108.42	54.39	97.16	186.02	28.74	12.29	9.15
MT070175	LK644///Hockett F5	112.01	53.96	94.25	187.05	28.54	12.54	9.18
MT080081	Coors/Metcalfe	112.60	52.24	93.35	189.71	26.86	13.26	9.17
MT080083	Coors/Metcalfe	113.29	52.50	92.99	190.06	25.86	13.60	9.28
MT080085	Coors/Metcalfe	105.11	53.41	90.01	189.71	27.37	13.41	9.19
MT080100	Karma	61.04	63.57	89.61	189.68	29.30	15.67	9.24
MT080243	MT960101/MT981210	112.74	52.70	87.80	188.05	28.14	13.36	9.17
MT080261	MT970026/MT981091	111.89	53.33	89.80	185.90	26.55	13.77	9.09
MT080279	MT970148/MT970116	118.94	52.28	93.22	186.02	26.35	13.37	9.10
MT080281	MT970148/MT970116	111.89	51.76	91.97	186.84	28.42	13.36	9.02
MT080285	MT970148/MT970116	115.78	53.16	94.67	186.97	26.37	13.24	9.12
MT090169	MT910189*/LK644/EslickBC3F43G3	109.53	53.93	95.23	187.09	28.00	11.37	9.14
MT090176	MT910189*/LK644/EslickBC3F33-G	110.27	53.41	94.12	188.71	29.21	11.59	9.33
MT090178	MT910189*/LK644/EslickBC3F33-G	107.27	53.64	94.89	188.63	29.98	12.05	9.16
MT090180	MT910189*/LK644/EslickBC3F33-G	123.74	53.86	95.05	188.94	31.17	11.94	9.29
MT090181	MT910189*/LK644/EslickBC3F33-G	121.03	54.09	96.56	188.03	29.48	11.89	9.27
MT090182	MT910189*/LK644/EslickBC3F33-G	123.00	54.03	94.58	188.62	30.63	11.72	9.22
MT090183	MT910189*/LK644/EslickBC3F33-G	109.42	53.19	94.12	188.02	30.50	12.32	9.17
MT090184	MT910189*/LK644/EslickBC3F33-G	112.82	54.04	92.83	188.38	29.83	12.30	9.25
MT090186	MT910189*/LK644/EslickBC3F33-G	100.80	53.56	94.30	188.64	28.50	12.03	9.36
MT090188	MT910189*/LK644/EslickBC3F33-G	108.30	53.51	95.05	188.94	28.99	12.19	9.15
MT090190	MT910189*/LK644/EslickBC3F33-G	117.08	53.93	96.48	188.38	30.36	11.61	9.28
MT090191	MT910189*/LK644/EslickBC3F33-G	109.18	53.91	94.17	188.67	30.54	12.00	9.32
MT090192	MT910189*/LK644/EslickBC3F33-G	113.80	54.29	94.05	188.94	30.39	11.83	9.23
MT090193	MT910189*/LK644/EslickBC3F33-G	114.91	53.31	95.91	189.13	29.95	12.24	9.25
MT090194	MT910189*/LK644/EslickBC3F33-G	115.33	53.83	96.51	188.96	30.30	11.89	9.18
MT090202	MT910189*/LK644/EslickBC3F37-I	108.94	53.66	95.12	187.27	29.78	12.60	9.13

2011 Spring Barley Dryland Intrastate **Bozeman**

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT090227	MT910189*/LK644/EslickBC3F37-L	109.78	53.85	95.59	186.87	29.35	12.41	9.15
MT090229	MT910189*/LK644/EslickBC3F37-L	114.07	53.52	94.82	186.65	29.00	12.11	9.07
MT910189	Hockett	110.53	53.36	94.14	185.70	29.51	13.69	9.01
MT950186	Haxby	113.61	54.66	90.32	186.97	29.05	13.53	9.09
MT960101	Geraldine	112.93	52.48	82.69	188.95	27.82	13.93	9.12
MT970116	Craft	115.80	54.41	94.21	185.85	31.15	14.05	9.05
PI568246	Baronesse	128.11	53.08	91.94	187.32	26.41	13.71	9.06
PI643354	Pinnacle	98.97	53.37	97.08	185.98	28.65	12.26	9.19
SK 76333	Harrington	109.84	51.60	90.97	187.60	28.68	13.93	9.04
Scarlett	Scarlett	105.69	52.98	91.21	191.02	25.73	13.67	9.11
TR232	Metcalfe	111.36	52.87	93.29	187.38	29.76	14.11	9.11
YU501385	Champion	122.67	53.78	94.19	187.04	28.40	13.54	9.10
Mean		112.39	53.33	93.06	187.89	28.48	13.17	9.14

	Yield	Test Wt	Plump %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	231.75	0.56	9.39	1.53	44.64	0.30	0.21
Treatment Sum of Squares	159.55	449.70	1813.15	354.70	601.45	154.90	1.43
Treatment Degrees of Freedom	63	63	63	63	63	63	63
Error Mean Square (RCB)	46.71	0.32	5.43	0.32	1.29	0.06	0.008
Error Degrees of Freedom	105	105	105	105	105	105	105
Intra Block Error Mean Square	31.10	0.29	4.34	0.29	1.10	0.06	0.007
Adjusted Treatment Mean Square	124.74	0.51	10.90	0.47	2.20	0.10	0.02
Coefficient of Variation	5.26	0.74	2.16	0.39	1.97	0.67	0.28
F ratio for Treatment	7.29	22.97	6.48	17.88	7.47	38.76	2.93
Total Sum of Squares	22071	490.96	2506.82	396.70	808.22	163.27	2.63
Lsd (.05) 2 Means in Same Block	9.58	0.90	3.54	0.87	1.77	0.39	0.14
Efficiency of Design Rel to RCB	133.49	105.52	113.81	103.65	107.58	104.85	110.66

Lattice Adjusted Means

ID	Pedigree	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	132.26	54.01	97.34	189.29	25.39	14.37	10.00
6B952482	Tradition	107.31	53.10	96.01	189.31	27.15	13.43	9.62
COPELAND	Copeland	128.95	54.03	97.93	191.60	29.03	12.22	9.85
EM090081	05037-079	116.72	53.72	96.12	192.74	26.94	13.58	10.22
EM090105	05032-068	120.15	54.61	97.06	190.40	25.91	12.63	9.75
EM090117	03013-25	127.40	54.40	98.22	195.31	24.89	13.97	10.08
EM090128	03021-03	135.43	55.49	97.70	194.37	24.39	12.82	10.05
MT010158	Amsterdam	118.69	54.25	95.96	189.98	27.18	13.64	10.10
MT010160	MT920041/Harrington	120.50	55.14	95.92	190.24	28.11	13.59	9.91
MT020155	MT960225/H1851195	124.76	53.90	94.59	190.41	25.56	13.15	9.78
MT020162	MT960225/H1851195	119.39	54.43	95.31	191.76	26.34	13.04	9.92
MT030042	MT910189/MT960099	122.75	54.96	94.89	188.74	26.18	11.76	9.78
MT061035	Baronesse/MT981210	131.79	54.82	97.47	190.08	26.71	13.23	10.07
MT061104	Harrington/MT970229	127.43	54.44	98.11	188.63	27.31	13.07	9.80
MT061134	Kendal/Conlon	119.06	53.81	97.10	191.24	27.15	13.58	9.93
MT061169	MT960101/Coors 37	130.39	55.48	96.80	190.29	25.12	13.80	10.01
MT061201	MT970110/LK232	111.82	53.96	96.38	189.69	27.80	13.66	9.86
MT070086	MT970148/Coors37	129.81	54.63	95.78	189.97	20.14	12.62	9.99
MT070111	MT010178/Harrington	126.85	54.74	97.25	188.68	27.50	12.89	9.86
MT070125	MT981210/MT970116	121.77	54.99	97.56	193.40	27.44	13.07	9.88
MT070136	MT010178/MT970148	111.68	55.15	96.69	194.41	26.40	13.79	9.80
MT070148	MT990172/Metcalfe	112.96	54.58	98.54	189.72	26.06	13.18	9.97
MT070158	MT970148/Klages	124.94	54.57	97.58	188.32	25.49	13.03	10.06
MT070159	MT970148/Klages	118.99	54.46	96.69	188.68	23.49	13.15	10.12
MT070161	MT970148/Klages	124.98	54.46	97.14	188.26	25.85	13.20	9.98
MT070174	LK644///Hockett F5	112.82	54.06	98.03	191.94	25.04	11.77	10.27
MT070175	LK644///Hockett F5	119.60	54.26	96.38	190.36	27.53	11.35	10.02
MT080081	Coors/Metcalfe	125.24	54.70	98.42	192.63	24.62	12.90	10.14
MT080083	Coors/Metcalfe	126.06	54.73	97.38	192.67	24.37	13.02	9.90
MT080085	Coors/Metcalfe	101.14	53.55	95.45	192.01	24.31	12.37	10.08
MT080100	Karma	63.02	61.21	95.81	192.30	26.48	15.63	10.32
MT080243	MT960101/MT981210	116.12	54.75	96.71	191.58	26.47	12.85	9.89
MT080261	MT970026/MT981091	107.75	54.85	93.70	189.60	24.34	12.77	10.00
MT080279	MT970148/MT970116	114.88	54.93	96.23	187.63	23.93	12.87	9.99
MT080281	MT970148/MT970116	116.81	54.59	96.19	189.01	23.77	12.84	9.87
MT080285	MT970148/MT970116	127.41	54.94	96.07	188.93	24.68	13.31	9.75
MT090169	MT910189*/LK644/EslickBC3F43G3	115.55	53.73	96.99	188.68	24.34	10.40	10.23
MT090176	MT910189*/LK644/EslickBC3F33-G	114.08	53.95	96.43	194.32	26.41	10.53	10.34
MT090178	MT910189*/LK644/EslickBC3F33-G	127.52	54.56	97.86	193.33	28.78	11.43	10.31
MT090180	MT910189*/LK644/EslickBC3F33-G	140.48	54.52	97.64	192.97	30.05	11.14	10.35
MT090181	MT910189*/LK644/EslickBC3F33-G	129.48	54.51	98.48	193.63	29.03	11.34	10.36
MT090182	MT910189*/LK644/EslickBC3F33-G	134.13	54.31	97.23	193.67	28.53	11.37	10.20
MT090183	MT910189*/LK644/EslickBC3F33-G	127.59	54.63	97.57	192.41	28.57	11.34	10.14
MT090184	MT910189*/LK644/EslickBC3F33-G	138.08	54.63	97.50	194.25	29.52	11.21	10.44
MT090186	MT910189*/LK644/EslickBC3F33-G	133.99	54.11	97.18	193.32	29.51	11.06	10.54
MT090188	MT910189*/LK644/EslickBC3F33-G	116.49	53.97	97.79	193.70	27.22	11.06	10.12
MT090190	MT910189*/LK644/EslickBC3F33-G	125.24	54.37	97.98	193.08	27.61	11.04	10.12
MT090191	MT910189*/LK644/EslickBC3F33-G	114.99	54.96	97.17	193.28	27.24	11.13	10.13
MT090192	MT910189*/LK644/EslickBC3F33-G	125.51	54.34	96.73	192.98	28.37	11.11	10.29
MT090193	MT910189*/LK644/EslickBC3F33-G	135.09	54.20	97.26	193.62	27.86	11.58	10.29

Lattice Adjusted Means

MT090194	MT910189*/LK644/EslickBC3F33-G	125.46	53.77	98.46	194.91	28.64	11.17	10.07
MT090202	MT910189*/LK644/EslickBC3F37-I	116.91	54.40	98.46	192.05	27.33	11.50	10.11
MT090227	MT910189*/LK644/EslickBC3F37-L	109.62	54.12	97.71	190.12	26.02	11.23	10.08
MT090229	MT910189*/LK644/EslickBC3F37-L	124.40	54.41	97.61	191.71	26.63	10.93	10.09
MT910189	Hockett	117.69	54.97	96.04	187.74	26.99	12.72	9.82
MT950186	Haxby	95.00	55.15	95.53	189.34	22.82	12.92	9.93
MT960101	Geraldine	128.14	54.86	95.85	190.63	25.56	12.98	9.92
MT970116	Craft	116.87	55.43	97.30	189.38	27.77	13.19	9.91
PI568246	Baronesse	134.61	55.00	97.13	190.36	24.77	12.66	10.06
PI643354	Pinnacle	87.71	53.54	97.80	188.35	23.69	11.75	10.12
SK 76333	Harrington	124.66	54.55	95.32	190.64	29.24	12.83	9.79
Scarlett	Scarlett	100.16	55.06	98.00	194.68	22.40	13.47	9.83
TR232	Metcalfe	114.24	54.25	96.59	189.67	28.36	13.40	9.95
YU501385	Champion	127.17	54.57	95.91	189.35	26.28	13.12	10.02
Mean		120.29	54.59	96.91	191.19	26.38	12.53	10.03

	Yield	Test Wt	Plump %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	7519.21	2.04	7.36	5.54	62.09	9.27	0.26
Treatment Sum of Squares	30175	179.93	204.91	207.65	719.25	218.24	6.73
Treatment Degrees of Freedom	63	63	63	63	63	63	63
Error Mean Square (RCB)	101.00	0.27	0.85	2.04	1.76	0.12	0.03
Error Degrees of Freedom	105	105	105	105	105	105	105
Intra Block Error Mean Square	79.42	0.25	0.84	1.98	1.66	0.08	0.02
Adjusted Treatment Mean Square	208.91	0.37	0.87	2.32	2.24	0.29	0.05
Coefficient of Variation	8.13	0.68	0.93	1.02	2.51	0.80	0.45
F ratio for Treatment	5.09	9.90	3.52	6.01	6.20	38.32	4.18
Total Sum of Squares	50420	216.03	318.74	1089.87	1002.69	242.08	10.58
Lsd (.05) 2 Means in Same Block	15.15	0.81	1.48	2.27	2.08	0.49	0.26
Efficiency of Design Rel to RCB	115.27	102.27	100.02	100.43	101.43	127.65	111.04

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	81.66	49.87	81.40	6.33	13.60	191.28	23.69
6B952482	Tradition	75.94	49.70	80.17	6.78	12.74	187.42	26.89
COPELAND	Copeland	78.94	48.91	79.05	8.37	12.76	191.46	26.87
EM090081	05037-079	78.23	50.77	80.96	6.10	13.26	192.82	25.32
EM090105	05032-068	81.13	49.29	79.96	8.09	12.67	189.67	24.50
EM090117	03013-25	80.89	50.16	87.04	5.76	13.19	195.08	23.13
EM090128	03021-03	83.27	50.71	77.25	8.94	12.94	193.13	22.42
MT010158	Amsterdam	68.31	50.83	79.98	6.63	13.54	190.59	25.28
MT010160	MT920041/Harrington	76.11	50.28	75.16	8.85	12.96	190.60	26.12
MT020155	MT960225/H1851195	80.45	50.18	79.51	6.87	12.79	186.57	25.71
MT020162	MT960225/H1851195	78.69	50.00	73.00	11.75	13.36	192.24	25.39
MT030042	MT910189/MT960099	78.65	51.27	69.15	13.24	12.30	189.17	24.19
MT061035	Baronesse/MT981210	87.84	50.07	77.64	7.73	12.74	191.94	23.51
MT061104	Harrington/MT970229	78.09	50.87	86.80	3.80	12.71	188.58	25.60
MT061134	Kendal/Conlon	78.68	49.79	82.64	5.60	13.11	190.57	25.22
MT061169	MT960101/Coors 37	83.81	50.47	79.69	8.20	13.28	191.30	23.54
MT061201	MT970110/LK232	77.83	50.15	80.23	7.10	12.87	189.42	25.94
MT070086	MT970148/Coors37	82.04	50.05	83.77	5.83	12.67	191.78	19.82
MT070111	MT010178/Harrington	81.88	50.70	76.53	10.25	12.90	190.42	25.78
MT070125	MT981210/MT970116	80.43	51.38	79.37	7.62	13.03	192.24	25.64
MT070136	MT010178/MT970148	78.00	50.70	79.78	8.24	13.76	192.60	26.11
MT070148	MT990172/Metcalfe	76.92	50.34	87.23	4.81	12.91	189.37	24.15
MT070158	MT970148/Klages	84.37	50.59	84.09	5.41	13.07	189.74	24.06
MT070159	MT970148/Klages	82.46	50.18	85.77	4.37	12.66	189.37	23.04
MT070161	MT970148/Klages	79.01	51.03	85.26	5.24	12.91	189.40	23.25
MT070174	LK644///Hockett F5	73.16	51.59	90.19	2.71	11.70	188.68	24.79
MT070175	LK644///Hockett F5	79.93	50.86	83.78	5.69	11.79	189.73	26.06
MT080081	Coors/Metcalfe	80.83	49.69	82.61	5.09	12.69	192.54	22.59
MT080083	Coors/Metcalfe	81.33	49.88	84.64	4.03	13.08	192.55	22.95
MT080085	Coors/Metcalfe	73.59	51.00	77.44	9.87	13.05	192.50	24.13
MT080100	Karma	39.68	55.75	73.69	16.28	15.31	189.55	24.99
MT080243	MT960101/MT981210	80.31	50.00	73.97	11.51	12.80	191.66	25.54
MT080261	MT970026/MT981091	77.87	50.54	74.52	9.89	12.91	188.20	24.13
MT080279	MT970148/MT970116	84.28	50.01	77.92	7.90	12.94	189.45	23.13
MT080281	MT970148/MT970116	82.34	50.03	82.39	6.65	12.21	189.42	22.65
MT080285	MT970148/MT970116	82.33	50.71	81.52	6.43	12.67	190.59	23.21
MT090169	MT910189*/LK644/EslickBC3F43G3	79.29	50.87	83.78	6.55	11.45	188.69	24.47
MT090176	MT910189*/LK644/EslickBC3F33-G	77.28	50.55	78.32	6.90	11.59	192.35	26.20
MT090178	MT910189*/LK644/EslickBC3F33-G	77.22	51.43	85.16	5.24	11.64	191.73	25.87
MT090180	MT910189*/LK644/EslickBC3F33-G	83.38	50.28	80.85	7.55	11.66	191.55	26.62
MT090181	MT910189*/LK644/EslickBC3F33-G	83.44	51.35	85.73	4.93	11.86	191.40	26.19
MT090182	MT910189*/LK644/EslickBC3F33-G	82.71	50.71	80.86	7.06	11.71	191.70	26.66
MT090183	MT910189*/LK644/EslickBC3F33-G	78.44	50.17	80.37	6.64	11.90	191.09	26.57
MT090184	MT910189*/LK644/EslickBC3F33-G	79.45	51.12	78.00	7.98	11.97	192.46	26.13
MT090186	MT910189*/LK644/EslickBC3F33-G	81.22	51.02	81.68	6.24	11.91	192.68	26.27
MT090188	MT910189*/LK644/EslickBC3F33-G	77.90	51.06	85.29	4.84	11.57	192.14	26.22
MT090190	MT910189*/LK644/EslickBC3F33-G	80.99	51.02	85.74	5.28	11.80	191.57	26.12
MT090191	MT910189*/LK644/EslickBC3F33-G	76.53	51.51	82.20	5.62	11.71	191.79	25.86
MT090192	MT910189*/LK644/EslickBC3F33-G	79.86	51.35	82.47	5.75	11.48	191.89	26.26
MT090193	MT910189*/LK644/EslickBC3F33-G	83.14	50.57	82.33	5.87	12.04	191.37	26.88

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
MT090194	MT910189*/LK644/EslickBC3F33-G	78.30	50.63	85.75	4.99	11.76	191.73	26.69
MT090202	MT910189*/LK644/EslickBC3F37-I	75.07	51.44	87.48	3.88	11.77	190.19	25.82
MT090227	MT910189*/LK644/EslickBC3F37-L	76.06	50.77	85.02	4.93	11.58	189.87	25.84
MT090229	MT910189*/LK644/EslickBC3F37-L	81.83	50.59	83.58	5.71	11.41	189.15	25.55
MT910189	Hockett	78.49	51.38	84.27	6.02	12.50	188.31	25.40
MT950186	Haxby	77.03	52.24	77.97	8.32	12.80	188.77	23.92
MT960101	Geraldine	82.48	50.59	72.62	12.01	13.05	193.00	23.74
MT970116	Craft	78.33	52.05	85.39	5.59	12.78	187.92	26.64
PI568246	Baronesse	86.58	50.40	78.70	7.45	12.88	191.64	23.42
PI643354	Pinnacle	71.48	50.93	89.03	3.63	11.24	187.27	25.02
SK 76333	Harrington	78.53	49.29	74.02	9.68	13.51	191.22	25.62
Scarlett	Scarlett	75.72	49.77	79.42	8.03	12.86	193.40	22.45
TR232	Metcalfe	73.89	49.83	77.14	9.64	13.52	189.88	26.48
YU501385	Champion	90.89	51.83	74.14	5.38	12.25	189.20	24.85

	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
Mean	78.98	50.67	80.96	7.03	12.56	190.71	24.96
C.V.	7.99	3.07	10.57	75.72	5.62	0.71	5.15
P-value	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
F-Value	10.73	3.93	2.95	2.12	12.23	17.62	14.32
L.S.D.	5.28	1.30	7.17	4.67	0.59	1.13	1.08

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	73.99	50.00	79.23	5.70	13.63	189.98	20.59
6B952482	Tradition	70.68	50.02	77.31	6.46	12.86	185.04	23.89
COPELAND	Copeland	69.71	48.45	76.35	9.38	13.33	189.76	22.86
EM090081	05037-079	76.42	51.01	79.17	5.96	12.93	190.79	22.56
EM090105	05032-068	76.17	49.34	79.86	7.11	12.54	187.68	21.07
EM090117	03013-25	73.27	50.42	88.34	3.53	13.05	193.64	19.77
EM090128	03021-03	75.06	50.87	73.33	8.71	12.81	191.94	19.48
MT010158	Amsterdam	61.22	51.10	79.00	7.21	14.03	188.86	22.27
MT010160	MT920041/Harrington	73.06	50.44	73.78	7.99	13.03	188.49	22.85
MT020155	MT960225/H1851195	75.99	50.25	79.23	6.53	12.94	184.35	22.93
MT020162	MT960225/H1851195	73.81	50.49	69.50	15.14	13.79	190.82	22.30
MT030042	MT910189/MT960099	74.60	51.89	65.88	14.51	12.31	187.43	21.36
MT061035	Baronesse/MT981210	78.86	50.13	72.47	8.97	12.98	191.11	20.60
MT061104	Harrington/MT970229	73.59	51.02	86.00	3.87	12.62	186.60	22.05
MT061134	Kendal/Conlon	72.45	49.98	79.48	6.47	13.23	189.04	22.19
MT061169	MT960101/Coors 37	77.14	50.13	75.40	10.31	13.37	189.95	20.26
MT061201	MT970110/LK232	74.95	50.30	79.17	6.50	12.88	187.87	23.03
MT070086	MT970148/Coors37	76.65	50.03	81.77	5.73	12.86	190.91	17.21
MT070111	MT010178/Harrington	73.04	50.54	71.53	12.26	12.94	189.16	22.38
MT070125	MT981210/MT970116	76.10	51.54	77.45	8.51	13.05	190.54	22.53
MT070136	MT010178/MT970148	73.15	51.07	76.37	9.86	14.01	190.49	23.24
MT070148	MT990172/Metcalfe	73.23	50.48	84.99	5.26	12.77	188.31	20.35
MT070158	MT970148/Klages	78.34	50.77	81.90	6.19	12.86	188.89	21.22
MT070159	MT970148/Klages	75.21	50.37	84.55	4.32	12.89	188.31	20.40
MT070161	MT970148/Klages	72.74	51.21	83.55	5.80	13.07	188.15	20.46
MT070174	LK644///Hockett F5	69.30	52.25	90.05	2.23	12.02	186.67	22.07
MT070175	LK644///Hockett F5	74.03	51.27	83.48	5.88	12.18	187.47	23.08
MT080081	Coors/Metcalfe	74.45	49.05	77.60	5.91	12.59	191.44	19.43
MT080083	Coors/Metcalfe	73.00	49.47	82.89	3.61	13.28	191.24	19.46
MT080085	Coors/Metcalfe	66.99	51.08	71.81	12.08	13.17	191.06	20.79
MT080100	Karma	38.89	56.48	69.91	23.13	15.21	187.44	22.28
MT080243	MT960101/MT981210	73.97	50.08	70.09	12.98	13.03	190.39	22.05
MT080261	MT970026/MT981091	75.82	51.39	73.78	10.19	13.00	186.33	21.13
MT080279	MT970148/MT970116	78.20	49.89	73.90	9.53	13.31	188.87	20.27
MT080281	MT970148/MT970116	77.13	50.02	79.77	7.27	12.24	188.15	20.17
MT080285	MT970148/MT970116	75.92	50.87	78.31	7.72	12.47	189.91	20.21
MT090169	MT910189*/LK644/EslickBC3F43G3	75.63	51.67	85.41	5.69	11.69	186.62	21.50
MT090176	MT910189*/LK644/EslickBC3F33-G	72.84	51.01	78.17	5.69	11.75	190.50	22.63
MT090178	MT910189*/LK644/EslickBC3F33-G	70.57	51.80	85.14	4.52	11.70	189.87	22.54
MT090180	MT910189*/LK644/EslickBC3F33-G	77.55	51.01	82.32	5.23	11.50	189.64	23.29
MT090181	MT910189*/LK644/EslickBC3F33-G	80.80	52.03	85.52	4.50	11.81	189.64	23.04
MT090182	MT910189*/LK644/EslickBC3F33-G	77.92	51.37	81.97	6.32	11.74	189.89	23.43
MT090183	MT910189*/LK644/EslickBC3F33-G	74.19	50.85	81.31	5.84	11.85	189.20	23.46
MT090184	MT910189*/LK644/EslickBC3F33-G	72.87	51.51	74.15	8.72	12.23	190.20	23.14
MT090186	MT910189*/LK644/EslickBC3F33-G	72.61	51.30	79.98	6.04	12.01	190.94	22.48
MT090188	MT910189*/LK644/EslickBC3F33-G	73.92	51.59	86.74	3.63	11.50	190.15	22.79
MT090190	MT910189*/LK644/EslickBC3F33-G	75.63	51.33	85.69	4.47	11.70	189.79	22.87
MT090191	MT910189*/LK644/EslickBC3F33-G	73.43	52.12	83.68	4.85	11.70	190.12	23.11
MT090192	MT910189*/LK644/EslickBC3F33-G	76.68	52.17	82.31	4.91	11.56	190.01	23.09
MT090193	MT910189*/LK644/EslickBC3F33-G	76.99	51.13	82.22	5.03	12.27	188.92	23.57

(1)Dryland locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
MT090194	MT910189*/LK644/EslickBC3F33-G	73.82	51.31	86.61	3.82	11.89	189.59	23.38
MT090202	MT910189*/LK644/EslickBC3F37-I	70.91	52.09	89.00	3.17	12.05	188.46	22.73
MT090227	MT910189*/LK644/EslickBC3F37-L	71.90	51.22	85.69	4.87	12.02	187.83	22.90
MT090229	MT910189*/LK644/EslickBC3F37-L	74.94	50.97	83.63	5.56	11.78	186.96	22.49
MT910189	Hockett	73.95	51.53	83.73	5.99	12.58	186.90	22.58
MT950186	Haxby	75.80	52.81	71.56	10.57	12.86	186.63	21.73
MT960101	Geraldine	77.41	50.51	66.86	15.43	13.08	191.77	20.84
MT970116	Craft	75.62	52.90	86.89	3.29	12.76	185.69	23.18
PI568246	Baronesse	80.34	50.61	75.77	8.17	12.99	190.44	20.08
PI643354	Pinnacle	71.71	51.33	89.65	2.97	11.43	185.02	21.79
SK 76333	Harrington	72.09	49.29	71.61	10.93	14.06	189.52	22.04
Scarlett	Scarlett	71.84	50.05	77.51	6.61	12.79	192.02	19.41
TR232	Metcalfe	67.70	49.79	73.62	11.95	13.95	187.93	22.97
YU501385	Champion	85.77	52.30	79.13	5.01	12.22	187.47	21.24

	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
Mean	73.79	50.96	79.42	7.29	12.67	189.04	21.83
C.V.	6.58	3.22	11.67	96.44	5.53	0.77	5.95
P-value	<.0001	<.0001	<.0001	0.06	<.0001	<.0001	<.0001
F-Value	8.05	2.88	2.39	1.35	7.09	10.02	6.70
L.S.D.	5.52	1.86	10.53	8.76	0.80	1.66	1.48

(1)Dryland locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

		Yield Bu/Ac					
ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
2B965057	Conrad	76.11	46.17	40.65	63.70	81.30	112.94
6B952482	Tradition	69.60	41.41	40.93	59.42	79.10	107.79
COPELAND	Copeland	72.87	38.72	37.06	60.08	86.18	108.14
EM090081	05037-079	81.47	45.70	38.37	61.88	82.72	122.99
EM090105	05032-068	79.43	49.23	44.73	69.54	83.71	117.55
EM090117	03013-25	75.97	47.05	37.36	67.25	82.34	113.25
EM090128	03021-03	78.74	43.51	41.62	65.09	90.82	112.29
MT010158	Amsterdam	65.23	31.03	36.67	59.63	68.68	86.37
MT010160	MT920041/Harrington	78.76	39.03	44.12	60.88	78.95	111.77
MT020155	MT960225/H1851195	77.24	45.97	43.70	78.64	85.90	113.19
MT020162	MT960225/H1851195	72.75	40.39	38.81	59.83	83.04	120.86
MT030042	MT910189/MT960099	78.19	55.33	44.49	62.43	72.24	114.72
MT061035	Baronesse/MT981210	76.68	45.24	45.28	73.93	104.41	121.32
MT061104	Harrington/MT970229	79.45	41.28	49.82	68.85	75.10	111.17
MT061134	Kendal/Conlon	74.93	36.99	40.11	76.26	85.20	111.97
MT061169	MT960101/Coors 37	73.84	52.93	40.67	71.67	85.73	120.63
MT061201	MT970110/LK232	77.33	47.35	46.31	67.68	80.76	111.68
MT070086	MT970148/Coors37	85.13	53.42	42.52	57.75	97.21	117.49
MT070111	MT010178/Harrington	75.03	44.20	41.52	62.46	94.82	117.63
MT070125	MT981210/MT970116	82.46	50.71	41.64	63.20	85.10	120.36
MT070136	MT010178/MT970148	80.62	43.96	40.96	66.80	83.33	111.08
MT070148	MT990172/Metcalfe	85.39	39.91	43.65	60.92	82.51	109.69
MT070158	MT970148/Klages	85.89	50.72	43.75	69.03	90.83	123.96
MT070159	MT970148/Klages	81.52	45.37	46.08	70.03	87.96	118.52
MT070161	MT970148/Klages	74.37	36.48	43.74	63.88	76.87	112.90
MT070174	LK644///Hockett F5	77.12	38.24	46.10	60.90	73.76	108.42
MT070175	LK644///Hockett F5	74.57	33.90	44.95	72.24	87.95	112.01
MT080081	Coors/Metcalfe	86.60	37.53	42.84	63.39	82.16	112.60
MT080083	Coors/Metcalfe	82.81	42.60	43.28	60.42	95.88	113.29
MT080085	Coors/Metcalfe	72.89	34.48	36.45	58.08	78.53	105.11
MT080100	Karma	38.15	12.72	17.91	37.39	49.96	61.04
MT080243	MT960101/MT981210	78.94	43.84	35.50	66.52	84.60	112.74
MT080261	MT970026/MT981091	83.31	54.98	46.70	66.22	81.81	111.89
MT080279	MT970148/MT970116	83.21	44.48	40.17	71.90	86.60	118.94
MT080281	MT970148/MT970116	81.09	49.43	48.32	67.87	89.27	111.89
MT080285	MT970148/MT970116	78.45	38.23	42.99	71.21	80.56	115.78
MT090169	MT910189*/LK644/EslickBC3F43G3	68.48	47.39	46.83	74.24	73.04	109.53
MT090176	MT910189*/LK644/EslickBC3F33-G	78.86	44.81	44.77	59.53	86.13	110.27
MT090178	MT910189*/LK644/EslickBC3F33-G	76.13	44.45	46.25	58.70	78.07	107.27
MT090180	MT910189*/LK644/EslickBC3F33-G	80.91	44.77	45.19	63.31	80.30	123.74
MT090181	MT910189*/LK644/EslickBC3F33-G	82.77	44.21	45.19	73.71	84.72	121.03
MT090182	MT910189*/LK644/EslickBC3F33-G	76.84	46.26	44.72	66.75	77.99	123.00
MT090183	MT910189*/LK644/EslickBC3F33-G	79.73	40.93	42.99	74.79	80.84	109.42
MT090184	MT910189*/LK644/EslickBC3F33-G	76.71	41.28	41.31	67.49	83.00	112.82
MT090186	MT910189*/LK644/EslickBC3F33-G	76.28	46.41	47.97	65.70	93.08	100.80

ID	Pedigree	Yield Bu/Ac Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
MT090188	MT910189*/LK644/EslickBC3F33-G	81.77	41.64	46.13	70.23	78.49	108.30
MT090190	MT910189*/LK644/EslickBC3F33-G	78.82	45.30	44.79	64.33	83.16	117.08
MT090191	MT910189*/LK644/EslickBC3F33-G	79.07	37.28	41.57	65.71	83.37	109.18
MT090192	MT910189*/LK644/EslickBC3F33-G	85.03	42.21	48.26	69.88	78.42	113.80
MT090193	MT910189*/LK644/EslickBC3F33-G	84.26	40.14	44.99	75.42	79.86	114.91
MT090194	MT910189*/LK644/EslickBC3F33-G	83.39	37.48	41.02	69.46	82.28	115.33
MT090202	MT910189*/LK644/EslickBC3F37-I	73.51	44.30	43.00	60.33	73.10	108.94
MT090227	MT910189*/LK644/EslickBC3F37-L	77.82	41.00	42.35	60.36	80.61	109.78
MT090229	MT910189*/LK644/EslickBC3F37-L	76.74	42.71	44.00	70.00	83.64	114.07
MT910189	Hockett	74.61	46.10	43.05	65.57	85.61	110.53
MT950186	Haxby	82.72	46.99	48.46	59.70	80.69	113.61
MT960101	Geraldine	80.20	42.44	48.14	69.03	82.17	112.93
MT970116	Craft	79.92	51.53	44.64	57.08	85.80	115.80
PI568246	Baronesse	84.82	45.24	46.25	71.82	95.72	128.11
PI643354	Pinnacle	75.94	34.43	40.24	70.45	72.81	98.97
SK 76333	Harrington	75.56	43.50	42.99	60.42	92.58	109.84
Scarlett	Scarlett	82.79	42.39	39.55	57.15	86.23	105.69
TR232	Metcalfe	69.49	35.44	38.51	56.44	78.72	111.36
YU501385	Champion	94.05	58.69	50.54	72.17	89.26	122.67

	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
Mean	78.02	43.15	42.87	65.42	82.90	112.39
C.V.	6.04	7.20	5.75	7.48	9.26	5.26
F-Value	4.78	5.51	4.01	3.13	2.26	7.29
L.S.D.	9.11	8.11	6.52	10.35	14.62	9.58
Efficiency of Design Rel. to RCB	122.20	128.12	172.42	122.73	196.69	133.49

		Test Wt lbs/Bu					
ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
2B965057	Conrad	51.30	44.50	52.19	46.63	52.99	52.36
6B952482	Tradition	49.54	46.00	53.49	47.79	51.18	51.09
COPELAND	Copeland	48.62	44.00	51.28	44.40	52.43	50.55
EM090081	05037-079	52.05	46.50	54.64	46.42	53.90	53.97
EM090105	05032-068	51.03	44.50	51.97	44.66	52.94	52.06
EM090117	03013-25	51.00	46.50	52.83	47.01	52.34	53.09
EM090128	03021-03	52.22	47.00	53.64	45.49	53.49	54.10
MT010158	Amsterdam	52.57	45.50	53.06	47.91	53.06	53.67
MT010160	MT920041/Harrington	52.36	45.00	51.73	48.20	53.60	52.77
MT020155	MT960225/H1851195	51.25	44.50	50.18	49.23	53.23	52.97
MT020162	MT960225/H1851195	50.91	46.00	53.48	45.76	52.98	53.39
MT030042	MT910189/MT960099	53.08	47.50	54.54	47.99	54.44	53.78
MT061035	Baronesse/MT981210	50.07	47.00	52.61	45.55	53.37	52.73
MT061104	Harrington/MT970229	51.99	46.00	51.61	49.03	53.18	52.83
MT061134	Kendal/Conlon	51.44	44.00	50.81	48.42	52.59	52.65
MT061169	MT960101/Coors 37	51.25	46.50	51.60	45.41	53.96	52.37
MT061201	MT970110/LK232	51.36	44.00	52.54	47.10	53.43	52.60
MT070086	MT970148/Coors37	51.59	46.50	52.33	45.62	53.36	52.20
MT070111	MT010178/Harrington	52.26	46.00	53.60	45.75	54.05	52.65
MT070125	MT981210/MT970116	52.59	47.00	53.52	47.86	53.49	53.98
MT070136	MT010178/MT970148	52.27	46.00	53.58	46.87	52.78	53.77
MT070148	MT990172/Metcalfe	51.30	46.50	52.05	46.97	53.49	51.80
MT070158	MT970148/Klages	51.92	44.50	54.03	47.98	53.28	53.08
MT070159	MT970148/Klages	51.31	45.50	53.16	47.62	53.22	52.35
MT070161	MT970148/Klages	52.07	46.00	54.13	47.67	52.98	53.07
MT070174	LK644///Hockett F5	53.45	46.50	54.91	51.42	53.33	54.39
MT070175	LK644///Hockett F5	51.84	47.30	53.41	48.17	52.96	53.96
MT080081	Coors/Metcalfe	50.83	45.00	53.35	43.38	52.03	52.24
MT080083	Coors/Metcalfe	50.81	45.00	52.96	45.02	52.61	52.50
MT080085	Coors/Metcalfe	52.20	47.50	53.70	46.71	53.83	53.41
MT080100	Karma	62.74	59.00	61.86	30.38	41.99	63.57
MT080243	MT960101/MT981210	50.69	45.50	51.56	46.01	53.40	52.70
MT080261	MT970026/MT981091	52.01	46.50	53.13	49.22	53.81	53.33
MT080279	MT970148/MT970116	51.33	44.50	51.71	46.34	52.48	52.28
MT080281	MT970148/MT970116	51.32	45.00	52.81	45.45	52.55	51.76
MT080285	MT970148/MT970116	51.83	46.00	51.94	48.58	53.45	53.16
MT090169	MT910189*/LK644/EslickBC3F43G3	53.03	47.00	53.69	48.47	52.81	53.93
MT090176	MT910189*/LK644/EslickBC3F33-G	52.90	47.00	52.69	47.51	53.47	53.41
MT090178	MT910189*/LK644/EslickBC3F33-G	52.82	48.00	53.82	48.90	52.88	53.64
MT090180	MT910189*/LK644/EslickBC3F33-G	52.32	46.50	53.88	46.98	51.94	53.86
MT090181	MT910189*/LK644/EslickBC3F33-G	53.25	47.50	54.04	49.16	53.25	54.09
MT090182	MT910189*/LK644/EslickBC3F33-G	52.11	47.00	53.63	47.30	53.13	54.03
MT090183	MT910189*/LK644/EslickBC3F33-G	51.84	46.00	52.71	48.32	52.55	53.19
MT090184	MT910189*/LK644/EslickBC3F33-G	52.66	45.50	53.29	49.18	54.09	54.04
MT090186	MT910189*/LK644/EslickBC3F33-G	53.74	47.50	54.09	47.69	54.78	53.56

Test Wt lbs/Bu

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
MT090188	MT910189*/LK644/EslickBC3F33-G	52.44	47.50	53.87	49.26	52.63	53.51
MT090190	MT910189*/LK644/EslickBC3F33-G	51.99	46.50	53.67	47.72	52.89	53.93
MT090191	MT910189*/LK644/EslickBC3F33-G	52.93	48.00	54.32	49.12	54.04	53.91
MT090192	MT910189*/LK644/EslickBC3F33-G	53.24	47.50	54.33	49.31	53.01	54.29
MT090193	MT910189*/LK644/EslickBC3F33-G	52.64	47.00	52.91	48.42	52.15	53.31
MT090194	MT910189*/LK644/EslickBC3F33-G	52.71	47.00	53.65	48.03	51.73	53.83
MT090202	MT910189*/LK644/EslickBC3F37-I	53.02	48.00	54.06	49.54	53.35	53.66
MT090227	MT910189*/LK644/EslickBC3F37-L	51.95	47.00	52.61	48.13	52.99	53.85
MT090229	MT910189*/LK644/EslickBC3F37-L	51.99	45.50	53.60	47.89	52.92	53.52
MT910189	Hockett	52.41	47.00	54.25	48.46	54.26	53.36
MT950186	Haxby	53.72	48.00	55.18	49.93	54.02	54.66
MT960101	Geraldine	51.49	46.50	53.83	45.49	53.65	52.48
MT970116	Craft	53.19	47.50	55.88	51.65	53.46	54.41
PI568246	Baronesse	51.13	46.50	52.35	46.81	53.61	53.08
PI643354	Pinnacle	53.31	46.50	52.88	48.72	53.52	53.37
SK 76333	Harrington	50.76	44.50	52.32	44.16	53.71	51.60
Scarlett	Scarlett	51.65	44.00	53.71	43.98	53.17	52.98
TR232	Metcalfe	51.57	46.00	51.59	44.22	52.95	52.87
YU501385	Champion	52.83	47.50	53.47	51.24	54.18	53.78

	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
Mean	52.13	46.42	53.29	47.18	53.02	53.30
C.V.	0.78	***	***	1.60	3.10	0.74
F-Value	23.64	***	***	17.45	1.42	22.97
L.S.D.	0.96	***	***	1.78	3.65	0.90
Efficiency of Design Rel. to RCB	111.99	***	***	102.08	103.96	105.52

Plump %

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
2B965057	Conrad	95.10	55.00	61.85	74.98	97.36	93.67
6B952482	Tradition	97.00	68.00	72.51	47.59	97.00	83.58
COPELAND	Copeland	95.90	80.00	53.31	44.74	97.90	90.54
EM090081	05037-079	91.00	81.00	69.85	48.33	97.70	90.92
EM090105	05032-068	96.20	76.00	64.78	62.30	97.43	92.02
EM090117	03013-25	92.00	88.00	88.09	73.13	97.79	94.48
EM090128	03021-03	98.20	78.00	57.99	33.72	97.07	86.14
MT010158	Amsterdam	82.40	70.00	55.48	73.82	96.86	94.90
MT010160	MT920041/Harrington	90.20	57.00	50.38	65.04	94.78	90.69
MT020155	MT960225/H1851195	93.70	73.00	46.17	75.56	96.12	93.21
MT020162	MT960225/H1851195	95.30	69.00	26.74	43.22	96.24	92.56
MT030042	MT910189/MT960099	83.10	60.00	48.81	30.68	97.31	84.86
MT061035	Baronesse/MT981210	88.50	69.00	58.95	42.30	97.49	91.99
MT061104	Harrington/MT970229	91.60	84.00	68.39	79.22	98.13	96.96
MT061134	Kendal/Conlon	94.00	73.00	48.43	69.85	98.30	93.20
MT061169	MT960101/Coors 37	94.40	76.00	59.78	40.64	96.51	89.88
MT061201	MT970110/LK232	92.10	53.00	75.62	63.85	96.96	94.87
MT070086	MT970148/Coors37	90.10	84.00	70.70	65.09	96.33	94.51
MT070111	MT010178/Harrington	95.70	64.00	57.76	30.03	97.28	90.59
MT070125	MT981210/MT970116	95.70	71.00	48.52	57.05	97.31	95.67
MT070136	MT010178/MT970148	97.20	78.00	44.75	51.64	97.09	93.82
MT070148	MT990172/Metcalfe	93.80	83.00	70.01	71.58	98.86	95.94
MT070158	MT970148/Klages	94.30	59.00	75.80	72.79	98.22	95.93
MT070159	MT970148/Klages	97.30	80.00	78.28	70.06	97.93	94.81
MT070161	MT970148/Klages	97.40	84.00	61.82	66.53	97.87	95.93
MT070174	LK644///Hockett F5	94.50	80.00	82.93	90.00	98.36	97.16
MT070175	LK644///Hockett F5	95.40	83.00	73.92	64.12	97.11	94.25
MT080081	Coors/Metcalfe	92.40	54.00	82.52	58.20	97.11	93.35
MT080083	Coors/Metcalfe	94.50	76.00	83.43	65.24	96.93	92.99
MT080085	Coors/Metcalfe	94.70	76.00	52.01	29.45	93.87	90.01
MT080100	Karma	92.30	81.00	0.00	69.53	94.52	89.61
MT080243	MT960101/MT981210	79.80	80.00	38.78	45.47	96.88	87.80
MT080261	MT970026/MT981091	91.70	70.00	46.75	52.06	95.03	89.80
MT080279	MT970148/MT970116	95.80	51.00	53.68	57.25	97.65	93.22
MT080281	MT970148/MT970116	93.00	71.00	73.10	56.32	97.53	91.97
MT080285	MT970148/MT970116	74.50	77.00	60.73	69.57	97.92	94.67
MT090169	MT910189*/LK644/EslickBC3F43G3	91.00	81.00	86.85	62.76	97.36	95.23
MT090176	MT910189*/LK644/EslickBC3F33-G	93.60	72.00	65.19	52.76	97.68	94.12
MT090178	MT910189*/LK644/EslickBC3F33-G	92.20	83.00	71.20	75.48	97.75	94.89
MT090180	MT910189*/LK644/EslickBC3F33-G	97.90	71.00	74.31	63.30	97.25	95.05
MT090181	MT910189*/LK644/EslickBC3F33-G	87.90	84.00	75.45	73.94	97.96	96.56
MT090182	MT910189*/LK644/EslickBC3F33-G	94.10	81.00	68.46	60.08	97.52	94.58
MT090183	MT910189*/LK644/EslickBC3F33-G	88.50	64.00	74.13	75.16	97.68	94.12
MT090184	MT910189*/LK644/EslickBC3F33-G	58.20	65.00	63.02	71.20	97.74	92.83
MT090186	MT910189*/LK644/EslickBC3F33-G	85.50	73.00	66.61	64.86	98.05	94.30

Plump %

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
MT090188	MT910189*/LK644/EslickBC3F33-G	85.10	81.00	89.26	76.69	97.75	95.05
MT090190	MT910189*/LK644/EslickBC3F33-G	90.40	82.00	83.57	66.47	97.86	96.48
MT090191	MT910189*/LK644/EslickBC3F33-G	88.50	80.00	76.05	68.83	98.44	94.17
MT090192	MT910189*/LK644/EslickBC3F33-G	89.00	75.00	67.35	75.20	98.05	94.05
MT090193	MT910189*/LK644/EslickBC3F33-G	89.40	70.00	68.75	75.69	96.94	95.91
MT090194	MT910189*/LK644/EslickBC3F33-G	94.70	82.00	81.23	70.31	97.05	96.51
MT090202	MT910189*/LK644/EslickBC3F37-I	93.30	84.00	84.82	80.96	97.97	95.12
MT090227	MT910189*/LK644/EslickBC3F37-L	94.50	83.00	78.23	69.29	97.46	95.59
MT090229	MT910189*/LK644/EslickBC3F37-L	92.60	72.00	83.97	66.30	97.54	94.82
MT910189	Hockett	95.00	78.00	76.15	64.38	97.62	94.14
MT950186	Haxby	89.40	69.00	41.08	46.26	96.88	90.32
MT960101	Geraldine	93.70	53.00	52.75	31.88	95.76	82.69
MT970116	Craft	96.50	81.00	81.68	74.73	97.52	94.21
PI568246	Baronesse	83.50	73.00	60.55	54.82	97.18	91.94
PI643354	Pinnacle	95.60	80.00	87.13	82.70	98.12	97.08
SK 76333	Harrington	88.30	79.00	31.29	50.78	97.56	90.97
Scarlett	Scarlett	92.90	62.00	68.46	56.22	98.37	91.21
TR232	Metcalfe	95.50	82.00	47.77	32.29	96.72	93.29
YU501385	Champion	90.40	68.00	58.87	70.58	96.82	94.19

	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
Mean	91.53	73.75	64.48	61.33	97.29	93.06
C.V.	***	***	***	11.09	0.95	2.16
F-Value	***	***	***	7.19	2.70	6.48
L.S.D.	***	***	***	14.03	1.52	3.54
Efficiency of Design Rel. to RCB	***	***	***	101.18	98.15	113.81

Heading Date

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
2B965057	Conrad	196.98	184.98	196.24	179.01	201.23	187.69
6B952482	Tradition	183.53	184.04	187.61	175.34	197.31	188.06
COPELAND	Copeland	193.08	188.24	194.29	179.69	200.84	188.70
EM090081	05037-079	193.95	188.86	194.29	181.69	204.93	189.20
EM090105	05032-068	191.86	186.95	190.94	175.69	199.90	187.33
EM090117	03013-25	199.19	189.76	198.33	183.02	204.36	191.94
EM090128	03021-03	196.52	189.26	193.97	181.00	201.93	190.99
MT010158	Amsterdam	192.80	187.83	194.26	176.98	201.98	186.96
MT010160	MT920041/Harrington	188.99	188.71	192.54	178.31	202.60	188.01
MT020155	MT960225/H1851195	188.38	181.95	186.76	173.66	198.29	185.33
MT020162	MT960225/H1851195	191.95	190.77	196.94	179.69	203.40	188.40
MT030042	MT910189/MT960099	194.22	182.77	192.64	176.01	199.68	186.35
MT061035	Baronesse/MT981210	196.44	191.24	197.56	179.68	200.78	187.37
MT061104	Harrington/MT970229	190.89	184.51	190.06	174.98	200.68	187.04
MT061134	Kendal/Conlon	193.42	186.75	193.19	177.97	200.43	187.35
MT061169	MT960101/Coors 37	193.03	190.48	198.34	176.99	200.93	187.38
MT061201	MT970110/LK232	188.13	187.61	192.20	175.99	200.51	187.28
MT070086	MT970148/Coors37	194.23	189.60	196.28	180.66	200.24	189.35
MT070111	MT010178/Harrington	193.62	186.67	193.16	179.02	200.28	187.40
MT070125	MT981210/MT970116	191.10	190.03	196.62	178.35	202.24	189.09
MT070136	MT010178/MT970148	192.51	189.78	195.00	178.97	203.99	188.79
MT070148	MT990172/Metcalfe	193.05	188.42	192.49	176.99	199.53	186.71
MT070158	MT970148/Klages	192.88	188.05	195.18	177.33	199.49	187.05
MT070159	MT970148/Klages	192.18	188.89	194.25	176.65	199.46	186.25
MT070161	MT970148/Klages	191.61	186.50	195.42	176.99	199.79	186.33
MT070174	LK644///Hockett F5	189.11	187.46	189.78	175.31	199.08	186.02
MT070175	LK644///Hockett F5	191.42	189.41	189.11	175.68	201.75	187.05
MT080081	Coors/Metcalfe	193.68	190.36	195.93	182.03	202.29	189.71
MT080083	Coors/Metcalfe	192.61	189.45	196.31	182.00	202.26	190.06
MT080085	Coors/Metcalfe	195.81	189.69	197.64	179.33	202.23	189.71
MT080100	Karma	189.23	187.03	190.30	175.00	199.32	189.68
MT080243	MT960101/MT981210	193.27	189.64	195.69	181.01	201.86	188.05
MT080261	MT970026/MT981091	188.76	187.86	191.19	173.99	199.30	185.90
MT080279	MT970148/MT970116	195.54	187.20	195.47	176.00	199.16	186.02
MT080281	MT970148/MT970116	194.35	185.23	193.62	177.01	199.40	186.84
MT080285	MT970148/MT970116	194.83	188.65	197.21	178.34	200.87	186.97
MT090169	MT910189*/LK644/EslickBC3F43G3	191.89	182.99	191.71	174.33	200.22	187.09
MT090176	MT910189*/LK644/EslickBC3F33-G	193.60	189.17	193.60	181.35	203.21	188.71
MT090178	MT910189*/LK644/EslickBC3F33-G	193.60	187.38	193.74	181.02	202.33	188.63
MT090180	MT910189*/LK644/EslickBC3F33-G	192.63	189.04	192.34	178.33	202.63	188.94
MT090181	MT910189*/LK644/EslickBC3F33-G	193.94	189.36	193.01	176.34	201.93	188.03
MT090182	MT910189*/LK644/EslickBC3F33-G	195.11	188.42	194.62	178.00	202.40	188.62
MT090183	MT910189*/LK644/EslickBC3F33-G	192.49	189.63	192.16	177.35	202.49	188.02
MT090184	MT910189*/LK644/EslickBC3F33-G	193.92	190.31	194.97	177.64	203.84	188.38
MT090186	MT910189*/LK644/EslickBC3F33-G	193.88	189.65	193.92	181.32	203.55	188.64

Heading Date

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
MT090188	MT910189*/LK644/EslickBC3F33-G	193.04	188.97	194.73	178.99	203.36	188.94
MT090190	MT910189*/LK644/EslickBC3F33-G	195.06	188.78	194.06	178.33	202.00	188.38
MT090191	MT910189*/LK644/EslickBC3F33-G	192.86	189.36	194.48	178.02	202.26	188.67
MT090192	MT910189*/LK644/EslickBC3F33-G	193.80	189.61	192.91	178.68	202.38	188.94
MT090193	MT910189*/LK644/EslickBC3F33-G	190.12	189.04	192.81	177.98	203.24	189.13
MT090194	MT910189*/LK644/EslickBC3F33-G	193.47	186.93	193.97	177.67	201.85	188.96
MT090202	MT910189*/LK644/EslickBC3F37-I	191.48	187.98	192.85	177.32	200.97	187.27
MT090227	MT910189*/LK644/EslickBC3F37-L	189.92	188.74	190.33	177.34	200.78	186.87
MT090229	MT910189*/LK644/EslickBC3F37-L	189.57	186.75	190.45	176.00	200.74	186.65
MT910189	Hockett	190.08	184.89	193.09	175.63	199.94	185.70
MT950186	Haxby	190.84	183.92	189.87	175.69	199.24	186.97
MT960101	Geraldine	196.61	190.76	198.05	179.02	203.26	188.95
MT970116	Craft	186.68	186.64	187.93	175.65	199.76	185.85
PI568246	Baronesse	195.97	186.58	197.61	180.01	200.13	187.32
PI643354	Pinnacle	186.59	182.73	189.64	174.29	201.11	185.98
SK 76333	Harrington	194.85	187.98	193.22	178.34	201.25	187.60
Scarlett	Scarlett	196.49	189.70	196.46	182.00	204.01	191.02
TR232	Metcalfe	191.85	186.53	191.93	177.66	200.85	187.38
YU501385	Champion	190.18	186.52	191.70	176.68	199.61	187.04

	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
Mean	192.55	187.86	193.55	177.93	201.28	187.89
C.V.	1.14	1.05	0.91	0.64	0.61	0.39
F-Value	8.32	5.85	11.88	19.54	9.58	7.88
L.S.D.	2.67	2.45	2.13	1.37	1.47	0.87
Efficiency of Design Rel. to RCB	108.45	111.90	110.10	100.10	110.33	103.65

ID	Pedigree	Plant Ht in Sidney	Moccasin	Huntley	Conrad	Bozeman
2B965057	Conrad	22.41	18.30	29.97	27.24	26.27
6B952482	Tradition	24.42	21.33	34.27	33.68	30.42
COPELAND	Copeland	25.35	18.74	31.50	32.08	30.72
EM090081	05037-079	25.07	20.67	31.47	29.02	30.07
EM090105	05032-068	21.78	19.79	30.94	28.32	27.97
EM090117	03013-25	20.99	17.97	29.50	27.40	26.18
EM090128	03021-03	22.31	19.32	27.24	24.37	25.00
MT010158	Amsterdam	24.15	20.36	32.52	29.70	28.02
MT010160	MT920041/Harrington	23.37	20.32	33.28	32.26	29.16
MT020155	MT960225/H1851195	24.94	19.76	35.93	29.76	29.62
MT020162	MT960225/H1851195	24.30	18.48	33.60	28.65	29.68
MT030042	MT910189/MT960099	23.39	18.52	32.16	30.29	27.62
MT061035	Baronesse/MT981210	21.42	17.96	30.72	27.28	27.47
MT061104	Harrington/MT970229	22.97	20.38	32.38	30.42	28.79
MT061134	Kendal/Conlon	22.72	20.40	35.74	26.64	28.86
MT061169	MT960101/Coors 37	20.07	18.08	32.92	26.65	26.07
MT061201	MT970110/LK232	23.73	21.45	33.67	28.30	30.11
MT070086	MT970148/Coors37	20.49	16.70	24.70	22.88	22.09
MT070111	MT010178/Harrington	25.22	19.50	34.28	29.31	28.61
MT070125	MT981210/MT970116	23.65	20.64	33.57	29.10	29.75
MT070136	MT010178/MT970148	24.02	21.19	36.71	29.39	29.75
MT070148	MT990172/Metcalfe	22.02	18.24	28.30	29.35	26.89
MT070158	MT970148/Klages	23.92	18.70	31.88	27.62	27.06
MT070159	MT970148/Klages	23.09	18.01	32.03	25.65	25.75
MT070161	MT970148/Klages	21.53	19.22	30.46	26.78	26.93
MT070174	LK644///Hockett F5	24.89	20.40	31.91	29.37	28.74
MT070175	LK644///Hockett F5	24.04	22.29	34.98	30.28	28.54
MT080081	Coors/Metcalfe	22.83	17.81	27.11	24.42	26.86
MT080083	Coors/Metcalfe	21.83	18.46	26.80	27.58	25.86
MT080085	Coors/Metcalfe	22.20	18.14	29.81	28.99	27.37
MT080100	Karma	23.93	20.50	30.92	31.30	29.30
MT080243	MT960101/MT981210	24.12	18.96	34.19	28.68	28.14
MT080261	MT970026/MT981091	23.59	18.95	31.74	30.03	26.55
MT080279	MT970148/MT970116	22.13	18.28	32.02	24.94	26.35
MT080281	MT970148/MT970116	22.16	17.55	29.37	23.76	28.42
MT080285	MT970148/MT970116	19.82	17.21	33.43	27.30	26.37
MT090169	MT910189*/LK644/EslickBC3F43G3	22.22	19.65	33.67	27.74	28.00
MT090176	MT910189*/LK644/EslickBC3F33-G	24.92	22.27	30.20	30.93	29.21
MT090178	MT910189*/LK644/EslickBC3F33-G	25.75	20.98	32.25	27.36	29.98
MT090180	MT910189*/LK644/EslickBC3F33-G	24.94	21.70	33.44	30.32	31.17
MT090181	MT910189*/LK644/EslickBC3F33-G	25.72	21.51	34.00	28.00	29.48
MT090182	MT910189*/LK644/EslickBC3F33-G	25.17	21.07	34.64	30.98	30.63
MT090183	MT910189*/LK644/EslickBC3F33-G	25.96	20.67	35.36	30.02	30.50
MT090184	MT910189*/LK644/EslickBC3F33-G	26.02	20.72	33.78	29.67	29.83
MT090186	MT910189*/LK644/EslickBC3F33-G	25.04	22.16	30.26	30.33	28.50

Plant Ht in

ID	Pedigree	Sidney	Moccasin	Huntley	Conrad	Bozeman
MT090188	MT910189*/LK644/EslickBC3F33-G	23.52	21.67	34.41	29.04	28.99
MT090190	MT910189*/LK644/EslickBC3F33-G	26.07	20.89	30.98	28.97	30.36
MT090191	MT910189*/LK644/EslickBC3F33-G	25.16	19.82	34.43	31.68	30.54
MT090192	MT910189*/LK644/EslickBC3F33-G	25.95	21.80	32.50	30.01	30.39
MT090193	MT910189*/LK644/EslickBC3F33-G	26.89	21.93	34.98	30.21	29.95
MT090194	MT910189*/LK644/EslickBC3F33-G	25.19	21.32	35.80	30.94	30.30
MT090202	MT910189*/LK644/EslickBC3F37-I	26.25	20.30	33.62	29.55	29.78
MT090227	MT910189*/LK644/EslickBC3F37-L	24.05	21.17	34.12	29.06	29.35
MT090229	MT910189*/LK644/EslickBC3F37-L	24.05	21.03	32.48	29.31	29.00
MT910189	Hockett	24.93	20.36	33.25	28.78	29.51
MT950186	Haxby	25.45	19.49	31.87	25.70	29.05
MT960101	Geraldine	21.24	19.15	30.55	26.63	27.82
MT970116	Craft	26.15	21.91	30.90	31.58	31.15
PI568246	Baronesse	20.77	18.10	30.85	26.64	26.41
PI643354	Pinnacle	22.07	19.22	33.45	31.01	28.65
SK 76333	Harrington	24.03	18.56	33.66	29.38	28.68
Scarlett	Scarlett	22.41	16.25	27.27	26.64	25.73
TR232	Metcalfe	24.22	18.77	35.05	31.69	29.76
YU501385	Champion	23.24	19.92	28.95	29.04	28.40

	Sidney	Moccasin	Huntley	Conrad	Bozeman
Mean	23.69	19.77	32.17	28.75	28.48
C.V.	3.20	2.41	4.38	1.58	1.97
F-Value	2.95	5.04	2.91	18.12	7.47
L.S.D.	2.52	1.84	4.01	1.37	1.77
Efficiency of Design Rel. to RCB	100.09	135.43	100.83	95.82	107.58

Protein %

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
2B965057	Conrad	14.94	15.65	12.20	12.89	11.45	14.66
6B952482	Tradition	14.16	15.24	11.60	11.73	10.92	13.53
COPELAND	Copeland	14.12	15.64	12.60	12.83	11.39	13.41
EM090081	05037-079	14.07	15.73	9.90	12.43	11.55	13.90
EM090105	05032-068	13.13	14.53	10.90	12.34	10.98	13.38
EM090117	03013-25	15.00	15.16	10.40	12.72	11.15	13.89
EM090128	03021-03	13.88	15.22	11.10	11.96	11.24	13.42
MT010158	Amsterdam	14.88	16.68	13.30	13.12	11.72	14.49
MT010160	MT920041/Harrington	14.12	15.70	11.30	12.44	10.98	13.64
MT020155	MT960225/H1851195	14.64	14.53	9.90	11.49	13.09	14.00
MT020162	MT960225/H1851195	14.90	15.88	13.50	13.48	11.51	13.47
MT030042	MT910189/MT960099	13.12	13.96	10.10	12.32	11.38	12.95
MT061035	Baronesse/MT981210	14.37	16.12	9.60	12.24	11.82	13.75
MT061104	Harrington/MT970229	13.81	15.29	10.50	11.85	10.66	13.60
MT061134	Kendal/Conlon	14.52	14.67	12.40	12.37	11.21	14.24
MT061169	MT960101/Coors 37	14.60	16.14	10.80	13.47	10.76	14.47
MT061201	MT970110/LK232	14.15	15.29	9.50	13.05	11.52	13.78
MT070086	MT970148/Coors37	13.58	14.93	11.40	12.39	12.25	12.62
MT070111	MT010178/Harrington	14.01	15.03	10.70	13.07	11.51	13.30
MT070125	MT981210/MT970116	13.39	15.78	11.50	12.63	11.58	13.42
MT070136	MT010178/MT970148	14.31	16.30	13.20	14.18	12.01	14.09
MT070148	MT990172/Metcalfe	13.94	15.33	10.30	12.25	10.97	13.81
MT070158	MT970148/Klages	14.39	14.66	10.30	13.09	11.01	13.70
MT070159	MT970148/Klages	14.68	14.85	9.50	12.58	12.08	13.68
MT070161	MT970148/Klages	14.24	15.18	11.70	12.87	10.95	13.51
MT070174	LK644///Hockett F5	12.31	13.76	11.30	11.44	11.01	12.29
MT070175	LK644///Hockett F5	13.28	13.75	10.20	12.14	11.18	12.54
MT080081	Coors/Metcalfe	13.10	15.79	10.70	11.61	11.07	13.26
MT080083	Coors/Metcalfe	13.93	15.29	11.60	13.33	11.93	13.60
MT080085	Coors/Metcalfe	13.87	16.17	10.30	13.54	11.75	13.41
MT080100	Karma	16.16	17.94	15.80	14.69	11.00	15.67
MT080243	MT960101/MT981210	13.43	15.08	13.30	12.42	10.57	13.36
MT080261	MT970026/MT981091	13.69	14.97	10.60	12.64	12.35	13.77
MT080279	MT970148/MT970116	13.76	15.50	12.30	12.98	11.97	13.37
MT080281	MT970148/MT970116	13.68	14.72	9.30	12.20	10.20	13.36
MT080285	MT970148/MT970116	14.20	15.03	9.80	12.23	10.29	13.24
MT090169	MT910189*/LK644/EslickBC3F43G3	12.34	13.28	8.30	12.22	12.64	11.37
MT090176	MT910189*/LK644/EslickBC3F33-G	11.94	13.18	10.80	11.47	11.54	11.59
MT090178	MT910189*/LK644/EslickBC3F33-G	12.01	13.43	10.20	10.92	11.59	12.05
MT090180	MT910189*/LK644/EslickBC3F33-G	11.86	13.85	9.70	11.48	10.15	11.94
MT090181	MT910189*/LK644/EslickBC3F33-G	12.35	13.49	10.30	12.21	10.62	11.89
MT090182	MT910189*/LK644/EslickBC3F33-G	12.15	13.63	10.10	11.93	10.90	11.72
MT090183	MT910189*/LK644/EslickBC3F33-G	12.31	13.98	10.40	11.45	10.66	12.32
MT090184	MT910189*/LK644/EslickBC3F33-G	12.37	13.81	11.20	11.78	11.90	12.30
MT090186	MT910189*/LK644/EslickBC3F33-G	12.24	13.56	10.00	11.97	12.29	12.03

Protein %

ID	Pedigree	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
MT090188	MT910189*/LK644/EslickBC3F33-G	12.10	13.59	8.40	11.31	11.42	12.19
MT090190	MT910189*/LK644/EslickBC3F33-G	12.23	13.43	9.90	11.23	11.78	11.61
MT090191	MT910189*/LK644/EslickBC3F33-G	12.52	13.46	9.80	11.66	10.76	12.00
MT090192	MT910189*/LK644/EslickBC3F33-G	11.78	13.33	9.90	11.10	11.40	11.83
MT090193	MT910189*/LK644/EslickBC3F33-G	12.45	13.96	11.60	11.92	11.42	12.24
MT090194	MT910189*/LK644/EslickBC3F33-G	12.09	13.56	10.10	12.01	11.68	11.89
MT090202	MT910189*/LK644/EslickBC3F37-I	12.42	14.33	9.70	10.97	12.29	12.60
MT090227	MT910189*/LK644/EslickBC3F37-L	12.92	13.35	10.30	12.19	10.99	12.41
MT090229	MT910189*/LK644/EslickBC3F37-L	12.58	13.34	9.30	11.36	11.99	12.11
MT910189	Hockett	13.57	14.58	10.50	12.66	10.49	13.69
MT950186	Haxby	13.43	14.29	11.00	12.57	12.32	13.53
MT960101	Geraldine	13.80	16.54	9.70	13.81	10.69	13.93
MT970116	Craft	14.00	14.72	10.10	11.70	12.02	14.05
PI568246	Baronesse	14.48	15.52	10.40	12.92	10.89	13.71
PI643354	Pinnacle	12.04	13.11	9.30	11.49	10.42	12.26
SK 76333	Harrington	14.36	15.72	13.30	12.99	14.04	13.93
Scarlett	Scarlett	13.74	14.95	11.00	12.17	11.23	13.67
TR232	Metcalfe	14.76	16.16	12.00	14.48	12.17	14.11
YU501385	Champion	13.49	13.65	9.60	10.98	12.07	13.54

	Havre	Sidney	Moccasin	Huntley	Conrad	Bozeman
Mean	13.51	14.77	10.79	12.34	11.43	13.17
C.V.	1.02	1.33	***	2.31	***	0.67
F-Value	19.22	11.53	***	3.07	***	38.76
L.S.D.	0.64	0.89	***	1.37	***	0.39
Efficiency of Design Rel. to RCB	139.00	240.76	***	109.95	***	104.85

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	90.87	49.71	84.00	6.95	13.56	192.84	27.41
6B952482	Tradition	82.24	49.32	83.59	7.10	12.60	190.28	30.49
COPELAND	Copeland	90.02	49.45	82.29	7.37	12.07	193.51	31.68
EM090081	05037-079	80.41	50.48	83.11	6.23	13.65	195.25	28.63
EM090105	05032-068	87.08	49.22	80.08	9.07	12.82	192.06	28.63
EM090117	03013-25	90.02	49.84	85.48	7.99	13.34	196.80	27.16
EM090128	03021-03	93.13	50.52	81.96	9.17	13.10	194.56	25.94
MT010158	Amsterdam	76.81	50.49	81.16	6.04	12.95	192.66	28.89
MT010160	MT920041/Harrington	79.76	50.08	76.81	9.72	12.87	193.13	30.04
MT020155	MT960225/H1851195	85.81	50.09	79.86	7.22	12.61	189.23	29.04
MT020162	MT960225/H1851195	84.55	49.41	77.21	8.37	12.85	193.94	29.09
MT030042	MT910189/MT960099	83.50	50.53	73.08	11.98	12.29	191.26	27.59
MT061035	Baronesse/MT981210	98.63	49.99	83.84	6.48	12.45	192.93	27.00
MT061104	Harrington/MT970229	83.48	50.70	87.76	3.74	12.83	190.95	29.86
MT061134	Kendal/Conlon	86.16	49.56	86.44	4.72	12.96	192.40	28.86
MT061169	MT960101/Coors 37	91.82	50.87	84.83	6.09	13.17	192.92	27.48
MT061201	MT970110/LK232	81.28	49.99	81.50	7.70	12.85	191.28	29.43
MT070086	MT970148/Coors37	88.51	50.07	86.17	5.93	12.43	192.82	22.96
MT070111	MT010178/Harrington	92.48	50.90	82.52	8.25	12.86	191.94	29.87
MT070125	MT981210/MT970116	85.63	51.18	81.67	6.74	13.00	194.28	29.37
MT070136	MT010178/MT970148	83.82	50.24	83.87	6.63	13.45	195.13	29.57
MT070148	MT990172/Metcalfe	81.36	50.18	89.92	4.36	13.08	190.65	28.72
MT070158	MT970148/Klages	91.60	50.37	86.73	4.64	13.34	190.77	27.47
MT070159	MT970148/Klages	91.16	49.95	87.22	4.43	12.37	190.63	26.20
MT070161	MT970148/Klages	86.53	50.81	87.31	4.67	12.70	190.90	26.60
MT070174	LK644///Hockett F5	77.79	50.79	90.36	3.18	11.32	191.09	28.05
MT070175	LK644///Hockett F5	87.01	50.38	84.14	5.50	11.32	192.45	29.63
MT080081	Coors/Metcalfe	88.49	50.46	88.62	4.26	12.81	193.85	26.37
MT080083	Coors/Metcalfe	91.32	50.38	86.74	4.44	12.85	194.12	27.15
MT080085	Coors/Metcalfe	81.51	50.91	84.19	7.67	12.90	194.23	28.13
MT080100	Karma	40.63	54.88	78.23	9.43	15.42	192.09	28.24
MT080243	MT960101/MT981210	87.92	49.91	78.63	10.04	12.53	193.19	29.73
MT080261	MT970026/MT981091	80.33	49.51	75.41	9.58	12.79	190.45	27.74
MT080279	MT970148/MT970116	91.58	50.15	82.74	6.26	12.50	190.14	26.56
MT080281	MT970148/MT970116	88.60	50.04	85.54	6.03	12.18	190.95	25.61
MT080285	MT970148/MT970116	90.02	50.51	85.37	5.15	12.90	191.40	26.82
MT090169	MT910189*/LK644/EslickBC3F43G3	83.68	49.90	81.82	7.41	11.16	191.18	28.03
MT090176	MT910189*/LK644/EslickBC3F33-G	82.62	49.99	78.51	8.10	11.39	194.56	30.49
MT090178	MT910189*/LK644/EslickBC3F33-G	85.20	50.99	85.18	5.97	11.56	193.96	29.87
MT090180	MT910189*/LK644/EslickBC3F33-G	90.38	49.41	79.09	9.86	11.86	193.85	30.62
MT090181	MT910189*/LK644/EslickBC3F33-G	86.60	50.53	85.97	5.36	11.93	193.52	29.97
MT090182	MT910189*/LK644/EslickBC3F33-G	88.47	49.91	79.54	7.80	11.68	193.88	30.55
MT090183	MT910189*/LK644/EslickBC3F33-G	83.53	49.36	79.26	7.43	11.97	193.35	30.30
MT090184	MT910189*/LK644/EslickBC3F33-G	87.34	50.66	82.62	7.24	11.66	195.17	29.71
MT090186	MT910189*/LK644/EslickBC3F33-G	91.55	50.68	83.72	6.44	11.79	194.76	30.82
MT090188	MT910189*/LK644/EslickBC3F33-G	82.68	50.42	83.54	6.06	11.66	194.53	30.34

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (High Moisture), Huntley, and Conrad

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
MT090190	MT910189*/LK644/EslickBC3F33-G	87.43	50.65	85.80	6.10	11.93	193.71	30.03
MT090191	MT910189*/LK644/EslickBC3F33-G	80.24	50.78	80.42	6.40	11.72	193.79	29.17
MT090192	MT910189*/LK644/EslickBC3F33-G	83.68	50.38	82.67	6.60	11.38	194.14	30.07
MT090193	MT910189*/LK644/EslickBC3F33-G	90.52	49.89	82.46	6.71	11.76	194.30	30.84
MT090194	MT910189*/LK644/EslickBC3F33-G	83.68	49.80	84.72	6.16	11.62	194.31	30.66
MT090202	MT910189*/LK644/EslickBC3F37-I	80.06	50.66	85.65	4.59	11.43	192.27	29.53
MT090227	MT910189*/LK644/EslickBC3F37-L	81.06	50.22	84.22	4.99	11.05	192.32	29.38
MT090229	MT910189*/LK644/EslickBC3F37-L	90.11	50.14	83.52	5.85	10.97	191.77	29.22
MT910189	Hockett	83.94	51.22	84.92	6.05	12.41	190.00	28.77
MT950186	Haxby	78.50	51.55	85.66	6.08	12.73	191.32	26.55
MT960101	Geraldine	88.55	50.68	79.54	8.58	13.02	194.46	27.22
MT970116	Craft	81.58	51.03	83.61	7.89	12.80	190.61	30.79
PI568246	Baronesse	94.06	50.16	82.22	6.74	12.74	193.07	27.43
PI643354	Pinnacle	71.21	50.46	88.27	4.29	11.01	189.97	28.89
SK 76333	Harrington	86.25	49.30	76.90	8.44	12.85	193.26	29.92
Scarlett	Scarlett	80.36	49.43	81.72	9.46	12.94	195.05	26.10
TR232	Metcalfe	81.32	49.89	81.38	7.32	13.00	192.21	30.70
YU501385	Champion	97.02	51.26	68.16	5.76	12.29	191.28	29.19

	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
Mean	85.21	50.33	82.80	6.76	12.44	192.71	28.71
C.V.	8.84	3.03	9.29	43.51	5.72	0.58	4.46
P-value	<.0001	0.0550	0.0720	0.0008	<.0001	<.0001	<.0001
F-Value	5.11	1.35	1.32	1.81	6.18	10.78	8.41
L.S.D.	9.38	1.90	9.58	3.66	0.89	1.40	1.60

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (High Moisture), Huntley, and Conrad

Yield
Bu/Ac

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
2B965057	Conrad	132.26	50.45	120.16	70.19	104.37
6B952482	Tradition	107.31	60.44	97.76	66.60	104.95
COPELAND	Copeland	128.95	49.30	110.72	74.95	101.42
EM090081	05037-079	116.72	43.53	88.71	70.38	108.09
EM090105	05032-068	120.15	55.63	110.17	65.72	96.52
EM090117	03013-25	127.40	65.60	104.68	70.09	98.75
EM090128	03021-03	135.43	65.06	111.20	63.15	109.10
MT010158	Amsterdam	118.69	27.25	116.80	52.62	88.43
MT010160	MT920041/Harrington	120.50	38.62	107.85	52.87	103.83
MT020155	MT960225/H1851195	124.76	55.00	95.45	67.93	97.20
MT020162	MT960225/H1851195	119.39	41.53	119.08	59.70	110.25
MT030042	MT910189/MT960099	122.75	52.12	112.11	58.29	92.46
MT061035	Baronesse/MT981210	131.79	55.89	115.35	85.72	110.67
MT061104	Harrington/MT970229	127.43	47.79	108.20	58.88	90.98
MT061134	Kendal/Conlon	119.06	49.48	98.76	78.30	94.46
MT061169	MT960101/Coors 37	130.39	59.00	105.52	78.45	103.09
MT061201	MT970110/LK232	111.82	54.54	95.37	63.88	99.35
MT070086	MT970148/Coors37	129.81	52.29	95.41	67.81	103.56
MT070111	MT010178/Harrington	126.85	52.85	123.73	64.14	97.41
MT070125	MT981210/MT970116	121.77	44.78	119.74	56.79	98.20
MT070136	MT010178/MT970148	111.68	49.74	111.43	62.92	95.49
MT070148	MT990172/Metcalfe	112.96	51.05	104.30	55.96	99.79
MT070158	MT970148/Klages	124.94	53.77	117.56	70.91	96.67
MT070159	MT970148/Klages	118.99	57.29	120.90	70.66	89.75
MT070161	MT970148/Klages	124.98	57.42	103.93	69.46	105.09
MT070174	LK644///Hockett F5	112.82	46.85	107.36	48.17	85.04
MT070175	LK644///Hockett F5	119.60	47.22	115.27	65.02	106.48
MT080081	Coors/Metcalfe	125.24	56.30	113.89	64.87	103.73
MT080083	Coors/Metcalfe	126.06	57.91	114.37	62.40	95.61
MT080085	Coors/Metcalfe	101.14	56.12	110.16	61.59	94.91
MT080100	Karma	63.02	6.65	52.99	30.54	66.15
MT080243	MT960101/MT981210	116.12	54.08	109.63	75.17	106.28
MT080261	MT970026/MT981091	107.75	50.25	105.57	56.26	91.85
MT080279	MT970148/MT970116	114.88	59.32	120.48	76.63	110.49
MT080281	MT970148/MT970116	116.81	52.94	112.61	71.37	104.16
MT080285	MT970148/MT970116	127.41	46.38	117.99	77.75	108.83
MT090169	MT910189*/LK644/EslickBC3F43G3	115.55	45.44	119.88	64.47	107.30
MT090176	MT910189*/LK644/EslickBC3F33-G	114.08	50.43	112.33	50.13	98.78
MT090178	MT910189*/LK644/EslickBC3F33-G	127.52	54.11	114.82	51.46	90.63
MT090180	MT910189*/LK644/EslickBC3F33-G	140.48	58.74	114.94	57.44	107.41
MT090181	MT910189*/LK644/EslickBC3F33-G	129.48	47.19	113.89	57.76	117.87
MT090182	MT910189*/LK644/EslickBC3F33-G	134.13	46.69	127.99	55.56	109.92
MT090183	MT910189*/LK644/EslickBC3F33-G	127.59	50.87	107.75	50.60	97.28
MT090184	MT910189*/LK644/EslickBC3F33-G	138.08	42.08	118.57	54.97	97.59

Yield
Bu/Ac

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
MT090186	MT910189*/LK644/EslickBC3F33-G	133.99	49.42	127.44	53.83	98.47
MT090188	MT910189*/LK644/EslickBC3F33-G	116.49	49.54	116.74	52.15	95.47
MT090190	MT910189*/LK644/EslickBC3F33-G	125.24	50.14	120.53	58.07	103.46
MT090191	MT910189*/LK644/EslickBC3F33-G	114.99	48.97	102.39	51.51	107.79
MT090192	MT910189*/LK644/EslickBC3F33-G	125.51	48.06	110.38	56.04	100.90
MT090193	MT910189*/LK644/EslickBC3F33-G	135.09	55.53	122.75	59.37	102.22
MT090194	MT910189*/LK644/EslickBC3F33-G	125.46	48.16	102.04	60.45	96.25
MT090202	MT910189*/LK644/EslickBC3F37-I	116.91	44.91	111.06	54.31	95.40
MT090227	MT910189*/LK644/EslickBC3F37-L	109.62	44.52	113.56	56.97	100.06
MT090229	MT910189*/LK644/EslickBC3F37-L	124.40	47.83	125.87	68.80	102.12
MT910189	Hockett	117.69	48.27	111.32	56.80	103.87
MT950186	Haxby	95.00	58.63	97.94	60.27	103.33
MT960101	Geraldine	128.14	50.28	107.44	74.75	111.71
MT970116	Craft	116.87	56.62	93.66	54.94	104.73
PI568246	Baronesse	134.61	60.03	98.87	81.07	105.82
PI643354	Pinnacle	87.71	48.37	100.91	46.23	110.21
SK 76333	Harrington	124.66	49.47	105.13	59.43	100.23
Scarlett	Scarlett	100.16	50.17	109.45	55.82	103.48
TR232	Metcalfe	114.24	50.01	106.63	57.01	94.94
YU501385	Champion	127.17	72.91	121.86	73.91	116.50

	Bozeman	Sidney	Kalispell	Huntley	Conrad
Mean	120.29	50.81	109.86	62.19	100.89
C.V.	8.13	7.29	10.69	6.48	8.40
F-Value	5.09	7.53	2.86	9.38	2.59
L.S.D.	15.15	8.39	19.03	8.81	14.46
Efficiency of Design Rel. to RCB	115.27	100.74	113.47	153.16	127.39

Test Wt
lbs/Bu

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
2B965057	Conrad	54.01	45.00	51.60	44.96	53.03
6B952482	Tradition	53.10	46.50	49.20	46.65	52.20
COPELAND	Copeland	54.03	44.00	51.30	45.49	51.85
EM090081	05037-079	53.72	44.50	53.00	47.25	52.51
EM090105	05032-068	54.61	45.00	49.90	43.62	51.85
EM090117	03013-25	54.40	48.00	49.50	44.95	52.08
EM090128	03021-03	55.49	45.50	51.60	46.51	52.78
MT010158	Amsterdam	54.25	45.00	53.40	46.75	53.91
MT010160	MT920041/Harrington	55.14	44.00	51.80	45.87	52.59
MT020155	MT960225/H1851195	53.90	45.00	52.00	46.32	53.40
MT020162	MT960225/H1851195	54.43	42.00	51.50	46.16	53.41
MT030042	MT910189/MT960099	54.96	44.00	50.90	48.36	54.41
MT061035	Baronesse/MT981210	54.82	45.00	50.40	46.35	52.82
MT061104	Harrington/MT970229	54.44	46.00	51.60	48.27	54.65
MT061134	Kendal/Conlon	53.81	44.00	51.40	45.99	52.55
MT061169	MT960101/Coors 37	55.48	46.00	52.80	46.12	53.62
MT061201	MT970110/LK232	53.96	46.00	50.10	46.44	54.17
MT070086	MT970148/Coors37	54.63	45.50	52.70	44.14	51.93
MT070111	MT010178/Harrington	54.74	47.00	52.40	46.32	52.99
MT070125	MT981210/MT970116	54.99	47.00	53.90	46.54	54.28
MT070136	MT010178/MT970148	55.15	45.00	51.20	47.07	53.95
MT070148	MT990172/Metcalfe	54.58	45.00	51.20	46.66	54.24
MT070158	MT970148/Klages	54.57	44.00	53.00	47.00	53.09
MT070159	MT970148/Klages	54.46	45.50	50.20	46.38	52.28
MT070161	MT970148/Klages	54.46	46.00	53.90	46.69	54.32
MT070174	LK644///Hockett F5	54.06	46.00	51.80	48.74	52.84
MT070175	LK644///Hockett F5	54.26	45.00	52.80	46.86	52.94
MT080081	Coors/Metcalfe	54.70	45.50	53.30	46.78	49.48
MT080083	Coors/Metcalfe	54.73	45.50	52.90	46.15	50.50
MT080085	Coors/Metcalfe	53.55	47.00	51.20	48.97	52.98
MT080100	Karma	61.21	58.00	54.30	58.92	61.30
MT080243	MT960101/MT981210	54.75	45.50	50.30	45.58	54.04
MT080261	MT970026/MT981091	54.85	42.00	51.10	45.79	54.18
MT080279	MT970148/MT970116	54.93	44.00	53.40	45.92	53.17
MT080281	MT970148/MT970116	54.59	45.50	51.80	45.76	53.80
MT080285	MT970148/MT970116	54.94	44.00	52.30	47.88	53.69
MT090169	MT910189*/LK644/EslickBC3F43G3	53.73	45.50	50.70	46.76	53.90
MT090176	MT910189*/LK644/EslickBC3F33-G	53.95	45.00	50.70	46.82	52.55
MT090178	MT910189*/LK644/EslickBC3F33-G	54.56	47.50	52.50	47.53	53.62
MT090180	MT910189*/LK644/EslickBC3F33-G	54.52	44.50	50.50	45.59	52.54
MT090181	MT910189*/LK644/EslickBC3F33-G	54.51	46.50	52.10	46.31	54.17
MT090182	MT910189*/LK644/EslickBC3F33-G	54.31	44.00	52.50	45.62	54.13
MT090183	MT910189*/LK644/EslickBC3F33-G	54.63	42.50	51.80	45.30	53.05
MT090184	MT910189*/LK644/EslickBC3F33-G	54.63	46.00	51.80	46.76	54.40
MT090186	MT910189*/LK644/EslickBC3F33-G	54.11	45.00	51.80	47.73	51.24
MT090188	MT910189*/LK644/EslickBC3F33-G	53.97	46.00	52.50	47.03	52.94
MT090190	MT910189*/LK644/EslickBC3F33-G	54.37	47.00	52.40	46.59	54.15
MT090191	MT910189*/LK644/EslickBC3F33-G	54.96	45.50	51.70	47.68	54.45
MT090192	MT910189*/LK644/EslickBC3F33-G	54.34	44.50	52.50	47.54	54.32
MT090193	MT910189*/LK644/EslickBC3F33-G	54.20	45.00	51.70	46.41	52.52
MT090194	MT910189*/LK644/EslickBC3F33-G	53.77	46.50	50.90	46.12	52.66
MT090202	MT910189*/LK644/EslickBC3F37-I	54.40	45.00	52.70	47.85	54.23

Test Wt
lbs/Bu

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
MT090227	MT910189*/LK644/EslickBC3F37-L	54.12	44.50	53.30	46.22	53.77
MT090229	MT910189*/LK644/EslickBC3F37-L	54.41	45.00	52.30	46.07	53.32
MT910189	Hockett	54.97	46.00	53.60	47.25	53.67
MT950186	Haxby	55.15	48.00	51.60	48.98	55.40
MT960101	Geraldine	54.86	46.00	51.00	47.89	53.24
MT970116	Craft	55.43	46.00	53.00	47.27	54.75
PI568246	Baronesse	55.00	44.00	51.80	46.37	53.79
PI643354	Pinnacle	53.54	46.50	51.80	46.93	53.19
SK 76333	Harrington	54.55	42.00	50.60	45.64	52.39
Scarlett	Scarlett	55.06	45.00	50.20	43.71	53.97
TR232	Metcalfe	54.25	45.00	50.00	47.24	52.49
YU501385	Champion	54.57	47.00	51.80	48.76	55.00

	Bozeman	Sidney	Kalispell	Huntley	Conrad
Mean	54.59	45.46	51.80	46.78	53.40
C.V.	0.68	***	***	1.03	1.73
F-Value	9.90	***	***	19.63	3.90
L.S.D.	0.81	***	***	1.21	2.04
Efficiency of Design Rel. to RCB	102.27	***	***	132.92	130.01

Plump %

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
2B965057	Conrad	97.34	72.50	88.05	64.77	94.79
6B952482	Tradition	96.01	75.50	81.93	67.52	95.20
COPELAND	Copeland	97.93	65.00	85.83	64.79	93.59
EM090081	05037-079	96.12	69.50	93.19	59.04	93.94
EM090105	05032-068	97.06	63.50	87.76	54.67	87.88
EM090117	03013-25	98.22	89.00	85.97	56.45	94.37
EM090128	03021-03	97.70	80.50	83.30	51.26	85.92
MT010158	Amsterdam	95.96	55.00	92.98	65.00	97.42
MT010160	MT920041/Harrington	95.92	57.00	92.15	44.23	89.39
MT020155	MT960225/H1851195	94.59	51.50	93.07	64.01	93.71
MT020162	MT960225/H1851195	95.31	44.50	91.95	58.03	90.16
MT030042	MT910189/MT960099	94.89	40.50	74.26	58.45	87.82
MT061035	Baronesse/MT981210	97.47	68.00	92.86	63.38	84.08
MT061104	Harrington/MT970229	98.11	66.00	93.82	82.76	95.83
MT061134	Kendal/Conlon	97.10	71.50	94.63	70.69	98.38
MT061169	MT960101/Coors 37	96.80	70.00	96.03	64.80	91.70
MT061201	MT970110/LK232	96.38	61.50	84.27	68.37	95.57
MT070086	MT970148/Coors37	95.78	81.00	97.70	60.06	86.24
MT070111	MT010178/Harrington	97.25	71.00	92.78	54.31	91.09
MT070125	MT981210/MT970116	97.56	62.00	94.36	57.12	96.76
MT070136	MT010178/MT970148	96.69	71.00	89.85	64.74	92.78
MT070148	MT990172/Metcalfe	98.54	84.00	92.72	75.48	95.59
MT070158	MT970148/Klages	97.58	69.50	95.71	72.62	93.56
MT070159	MT970148/Klages	96.69	72.00	97.28	72.22	86.87
MT070161	MT970148/Klages	97.14	73.00	95.78	72.78	95.63
MT070174	LK644///Hockett F5	98.03	78.50	95.43	81.49	95.70
MT070175	LK644///Hockett F5	96.38	63.00	95.08	69.14	90.21
MT080081	Coors/Metcalfe	98.42	78.00	96.40	73.18	85.15
MT080083	Coors/Metcalfe	97.38	71.50	96.06	71.81	85.20
MT080085	Coors/Metcalfe	95.45	81.00	85.11	65.53	88.67
MT080100	Karma	95.81	55.50	90.96	54.35	87.05
MT080243	MT960101/MT981210	96.71	63.50	81.27	54.80	88.67
MT080261	MT970026/MT981091	93.70	43.50	92.44	52.39	92.38
MT080279	MT970148/MT970116	96.23	59.00	94.31	66.50	92.47
MT080281	MT970148/MT970116	96.19	70.50	93.49	69.98	93.24
MT080285	MT970148/MT970116	96.07	60.00	94.85	77.99	93.41
MT090169	MT910189*/LK644/EslickBC3F43G3	96.99	63.50	89.34	61.93	95.64
MT090176	MT910189*/LK644/EslickBC3F33-G	96.43	51.00	88.17	59.26	91.32
MT090178	MT910189*/LK644/EslickBC3F33-G	97.86	75.50	91.88	62.91	94.07
MT090180	MT910189*/LK644/EslickBC3F33-G	97.64	63.50	85.17	51.89	92.36
MT090181	MT910189*/LK644/EslickBC3F33-G	98.48	73.50	94.87	65.06	95.27
MT090182	MT910189*/LK644/EslickBC3F33-G	97.23	56.00	93.38	53.57	93.57
MT090183	MT910189*/LK644/EslickBC3F33-G	97.57	49.00	93.92	58.11	91.92
MT090184	MT910189*/LK644/EslickBC3F33-G	97.50	68.00	92.00	57.85	94.69
MT090186	MT910189*/LK644/EslickBC3F33-G	97.18	70.00	92.76	60.63	95.59
MT090188	MT910189*/LK644/EslickBC3F33-G	97.79	65.50	94.43	62.24	93.37
MT090190	MT910189*/LK644/EslickBC3F33-G	97.98	79.50	92.95	60.73	95.21
MT090191	MT910189*/LK644/EslickBC3F33-G	97.17	53.00	93.88	59.63	94.52
MT090192	MT910189*/LK644/EslickBC3F33-G	96.73	65.50	89.88	63.22	93.25
MT090193	MT910189*/LK644/EslickBC3F33-G	97.26	62.50	92.27	63.31	93.58
MT090194	MT910189*/LK644/EslickBC3F33-G	98.46	71.50	91.79	64.78	94.91
MT090202	MT910189*/LK644/EslickBC3F37-I	98.46	63.50	93.66	74.68	95.81
MT090227	MT910189*/LK644/EslickBC3F37-L	97.71	61.50	97.03	67.39	93.54
MT090229	MT910189*/LK644/EslickBC3F37-L	97.61	61.50	94.44	66.52	92.10

Plump %

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
MT910189	Hockett	96.04	68.50	95.57	66.85	94.73
MT950186	Haxby	95.53	75.50	88.88	71.51	93.29
MT960101	Geraldine	95.85	58.00	85.81	62.26	87.12
MT970116	Craft	97.30	74.50	83.42	65.30	93.18
PI568246	Baronesse	97.13	60.50	92.28	64.03	90.82
PI643354	Pinnacle	97.80	73.50	95.98	75.96	95.42
SK 76333	Harrington	95.32	49.50	86.39	55.75	89.33
Scarlett	Scarlett	98.00	66.50	85.08	60.65	94.25
TR232	Metcalfe	96.59	62.00	85.20	66.37	90.84
YU501385	Champion	95.91	78.50	0.00	69.56	92.72

	Bozeman	Sidney	Kalispell	Huntley	Conrad
Mean	96.90	66.09	91.12	64.01	92.39
C.V.	0.93	***	***	5.78	3.86
F-Value	3.52	***	***	7.64	2.18
L.S.D.	1.48	***	***	7.94	6.37
Efficiency of Design Rel. to RCB	100.01	***	***	131.73	136.92

Heading Date

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
2B965057	Conrad	189.29	196.33	190.47	186.87	194.99
6B952482	Tradition	189.31	192.67	188.83	183.29	191.68
COPELAND	Copeland	191.60	194.00	194.32	186.80	194.56
EM090081	05037-079	192.74	195.67	194.12	188.76	196.78
EM090105	05032-068	190.40	194.00	189.70	186.28	193.31
EM090117	03013-25	195.31	197.67	196.88	189.80	199.61
EM090128	03021-03	194.37	194.67	192.84	189.00	199.88
MT010158	Amsterdam	189.98	194.67	189.94	186.74	194.35
MT010160	MT920041/Harrington	190.24	196.00	189.53	187.28	194.36
MT020155	MT960225/H1851195	190.41	190.00	185.20	182.24	190.02
MT020162	MT960225/H1851195	191.76	197.00	191.36	186.17	197.19
MT030042	MT910189/MT960099	188.74	193.33	189.00	185.52	192.59
MT061035	Baronesse/MT981210	190.08	194.67	192.17	186.96	194.36
MT061104	Harrington/MT970229	188.63	194.67	187.80	182.99	192.10
MT061134	Kendal/Conlon	191.24	195.67	189.68	185.01	195.55
MT061169	MT960101/Coors 37	190.29	194.67	191.96	186.73	193.50
MT061201	MT970110/LK232	189.69	193.33	188.74	184.11	195.99
MT070086	MT970148/Coors37	189.97	195.00	189.90	188.99	195.37
MT070111	MT010178/Harrington	188.68	193.33	191.91	185.50	195.10
MT070125	MT981210/MT970116	193.40	197.00	191.33	187.44	198.05
MT070136	MT010178/MT970148	194.41	196.67	192.19	188.42	197.88
MT070148	MT990172/Metcalfe	189.72	194.00	186.70	183.29	192.16
MT070158	MT970148/Klages	188.32	194.00	186.76	185.30	192.82
MT070159	MT970148/Klages	188.68	194.33	185.69	184.99	191.65
MT070161	MT970148/Klages	188.26	194.00	187.00	185.43	192.05
MT070174	LK644///Hockett F5	191.94	193.33	187.42	183.68	192.30
MT070175	LK644///Hockett F5	190.36	194.33	188.73	187.06	192.13
MT080081	Coors/Metcalfe	192.63	194.00	192.68	187.66	196.94
MT080083	Coors/Metcalfe	192.67	194.33	193.07	188.26	197.04
MT080085	Coors/Metcalfe	192.01	196.00	192.95	187.97	194.18
MT080100	Karma	192.30	194.33	190.20	184.30	193.42
MT080243	MT960101/MT981210	191.58	194.67	191.16	186.69	194.69
MT080261	MT970026/MT981091	189.60	193.67	186.53	183.17	190.27
MT080279	MT970148/MT970116	187.63	193.00	186.11	184.78	193.01
MT080281	MT970148/MT970116	189.01	194.00	186.87	185.46	191.84
MT080285	MT970148/MT970116	188.93	195.00	187.31	184.89	193.45
MT090169	MT910189*/LK644/EslickBC3F43G3	188.68	194.00	187.50	185.49	191.71
MT090176	MT910189*/LK644/EslickBC3F33-G	194.32	196.00	191.84	187.45	196.57
MT090178	MT910189*/LK644/EslickBC3F33-G	193.33	195.00	190.27	188.87	194.87
MT090180	MT910189*/LK644/EslickBC3F33-G	192.97	195.33	191.18	187.14	196.52
MT090181	MT910189*/LK644/EslickBC3F33-G	193.63	194.66	190.72	186.64	197.14
MT090182	MT910189*/LK644/EslickBC3F33-G	193.67	196.00	190.55	186.78	194.58
MT090183	MT910189*/LK644/EslickBC3F33-G	192.41	194.00	190.50	187.36	195.54
MT090184	MT910189*/LK644/EslickBC3F33-G	194.25	197.00	191.32	189.44	195.94
MT090186	MT910189*/LK644/EslickBC3F33-G	193.32	196.67	190.84	189.43	198.20
MT090188	MT910189*/LK644/EslickBC3F33-G	193.70	195.67	191.53	188.37	196.20
MT090190	MT910189*/LK644/EslickBC3F33-G	193.08	195.67	189.59	188.19	194.10
MT090191	MT910189*/LK644/EslickBC3F33-G	193.28	194.33	190.77	188.31	197.31
MT090192	MT910189*/LK644/EslickBC3F33-G	192.98	196.67	190.85	187.82	196.13
MT090193	MT910189*/LK644/EslickBC3F33-G	193.62	195.67	191.55	187.44	194.45
MT090194	MT910189*/LK644/EslickBC3F33-G	194.91	195.67	191.06	188.05	196.52
MT090202	MT910189*/LK644/EslickBC3F37-I	192.05	193.67	188.72	185.93	193.84
MT090227	MT910189*/LK644/EslickBC3F37-L	190.12	194.67	188.59	187.43	193.80
MT090229	MT910189*/LK644/EslickBC3F37-L	191.71	193.67	186.72	186.04	192.36

Heading Date

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
MT910189	Hockett	187.74	192.67	186.05	183.58	192.00
MT950186	Haxby	189.34	193.33	189.12	185.58	192.52
MT960101	Geraldine	190.63	197.00	191.91	189.51	197.23
MT970116	Craft	189.38	193.33	187.28	183.30	191.37
PI568246	Baronesse	190.36	194.33	192.27	188.24	195.18
PI643354	Pinnacle	188.35	190.00	188.11	182.28	190.86
SK 76333	Harrington	190.64	194.67	191.47	188.26	195.12
Scarlett	Scarlett	194.68	196.00	192.17	188.37	196.45
TR232	Metcalfe	189.67	192.00	192.58	185.95	192.26
YU501385	Champion	189.35	194.00	187.87	185.58	192.71

	Bozeman	Sidney	Kalispell	Huntley	Conrad
Mean	191.19	194.62	190.00	186.48	194.48
C.V.	1.02	0.76	0.68	0.81	0.89
F-Value	6.01	4.92	18.21	8.20	8.43
L.S.D.	2.27	1.70	1.60	1.79	2.13
Efficiency of Design Rel. to RCB	100.43	99.94	112.66	94.47	159.97

Plant Ht
in

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
2B965057	Conrad	25.39	21.54	33.25	29.64	26.58
6B952482	Tradition	27.15	23.65	36.50	31.48	32.90
COPELAND	Copeland	29.03	26.51	39.59	31.19	30.87
EM090081	05037-079	26.94	22.86	36.02	28.33	28.08
EM090105	05032-068	25.91	23.15	35.16	30.61	25.94
EM090117	03013-25	24.89	21.64	34.41	27.45	24.00
EM090128	03021-03	24.39	22.66	30.64	27.65	23.00
MT010158	Amsterdam	27.18	22.35	35.95	29.26	28.57
MT010160	MT920041/Harrington	28.11	23.32	36.18	30.34	30.99
MT020155	MT960225/H1851195	25.56	23.79	35.39	30.72	27.34
MT020162	MT960225/H1851195	26.34	23.58	37.05	29.83	27.75
MT030042	MT910189/MT960099	26.18	21.92	31.76	27.81	26.47
MT061035	Baronesse/MT981210	26.71	21.06	31.16	28.80	26.01
MT061104	Harrington/MT970229	27.31	23.53	36.80	31.22	27.77
MT061134	Kendal/Conlon	27.15	22.36	36.66	31.51	25.43
MT061169	MT960101/Coors 37	25.12	22.52	34.64	28.47	24.40
MT061201	MT970110/LK232	27.80	23.03	36.00	32.00	29.23
MT070086	MT970148/Coors37	20.14	20.01	26.84	24.94	19.26
MT070111	MT010178/Harrington	27.50	24.46	37.90	30.15	26.65
MT070125	MT981210/MT970116	27.44	24.01	36.92	29.41	27.57
MT070136	MT010178/MT970148	26.40	23.86	38.74	29.44	27.75
MT070148	MT990172/Metcalfe	26.06	22.73	36.81	28.66	26.63
MT070158	MT970148/Klages	25.49	22.57	32.60	29.05	25.75
MT070159	MT970148/Klages	23.49	21.54	31.55	28.79	23.51
MT070161	MT970148/Klages	25.85	22.60	30.23	27.56	24.63
MT070174	LK644///Hockett F5	25.04	22.14	34.56	29.16	26.48
MT070175	LK644///Hockett F5	27.53	24.17	36.42	29.73	28.64
MT080081	Coors/Metcalfe	24.62	21.84	33.22	27.76	21.98
MT080083	Coors/Metcalfe	24.37	22.65	33.99	27.14	23.82
MT080085	Coors/Metcalfe	24.31	22.06	36.70	28.62	27.24
MT080100	Karma	26.48	23.23	31.55	28.62	29.02
MT080243	MT960101/MT981210	26.47	24.57	36.07	32.84	26.90
MT080261	MT970026/MT981091	24.34	22.24	33.45	28.65	25.94
MT080279	MT970148/MT970116	23.93	22.68	33.21	28.01	22.82
MT080281	MT970148/MT970116	23.77	20.86	32.47	27.21	23.51
MT080285	MT970148/MT970116	24.68	20.91	32.59	28.60	24.42
MT090169	MT910189*/LK644/EslickBC3F43G3	24.34	21.61	35.77	30.69	25.46
MT090176	MT910189*/LK644/EslickBC3F33-G	26.41	25.05	38.11	31.94	29.17
MT090178	MT910189*/LK644/EslickBC3F33-G	28.78	25.28	36.19	31.73	26.30
MT090180	MT910189*/LK644/EslickBC3F33-G	30.05	25.75	37.48	29.48	28.48
MT090181	MT910189*/LK644/EslickBC3F33-G	29.03	24.60	37.64	30.58	27.56
MT090182	MT910189*/LK644/EslickBC3F33-G	28.53	26.00	36.71	30.51	29.03
MT090183	MT910189*/LK644/EslickBC3F33-G	28.57	24.69	39.42	28.81	28.25
MT090184	MT910189*/LK644/EslickBC3F33-G	29.52	23.84	35.79	29.73	28.50
MT090186	MT910189*/LK644/EslickBC3F33-G	29.51	25.64	39.03	29.62	28.93
MT090188	MT910189*/LK644/EslickBC3F33-G	27.22	25.66	38.79	30.99	28.14
MT090190	MT910189*/LK644/EslickBC3F33-G	27.61	25.50	38.30	29.76	28.93
MT090191	MT910189*/LK644/EslickBC3F33-G	27.24	23.99	34.73	28.20	28.70
MT090192	MT910189*/LK644/EslickBC3F33-G	28.37	26.14	38.20	27.64	27.87
MT090193	MT910189*/LK644/EslickBC3F33-G	27.86	25.63	38.83	31.69	27.69
MT090194	MT910189*/LK644/EslickBC3F33-G	28.64	26.00	37.57	30.15	27.69
MT090202	MT910189*/LK644/EslickBC3F37-I	27.33	22.84	38.91	28.99	26.42

Plant Ht
in

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
MT090227	MT910189*/LK644/EslickBC3F37-L	26.02	22.94	39.36	29.54	28.69
MT090229	MT910189*/LK644/EslickBC3F37-L	26.63	23.00	36.38	30.76	28.38
MT910189	Hockett	26.99	22.10	35.63	30.36	27.45
MT950186	Haxby	22.82	22.24	35.69	26.29	24.53
MT960101	Geraldine	25.56	20.85	34.94	28.14	26.25
MT970116	Craft	27.77	25.87	37.55	31.20	28.97
PI568246	Baronesse	24.77	23.47	34.51	27.77	24.35
PI643354	Pinnacle	23.69	21.17	39.65	28.93	27.36
SK 76333	Harrington	29.24	24.37	36.42	30.19	27.32
Scarlett	Scarlett	22.40	21.90	32.42	27.15	24.79
TR232	Metcalfe	28.36	25.06	37.17	31.22	30.01
YU501385	Champion	26.28	24.28	37.20	29.16	26.92

	Bozeman	Sidney	Kalispell	Huntley	Conrad
Mean	26.38	23.35	35.65	29.40	26.88
C.V.	2.51	3.33	2.97	3.18	2.93
F-Value	6.20	2.53	5.97	2.26	6.20
L.S.D.	2.08	2.71	3.06	2.91	2.64
Efficiency of Design Rel. to RCB	101.43	108.15	152.35	108.29	134.27

Protein %

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
2B965057	Conrad	14.37	14.99	15.79	13.23	9.43
6B952482	Tradition	13.43	13.91	15.51	12.22	7.90
COPELAND	Copeland	12.22	14.32	13.56	12.43	7.84
EM090081	05037-079	13.58	15.15	16.03	13.55	9.93
EM090105	05032-068	12.63	14.68	15.44	12.45	8.88
EM090117	03013-25	13.97	15.44	15.15	13.39	8.77
EM090128	03021-03	12.82	14.02	15.71	13.41	9.55
MT010158	Amsterdam	13.64	14.93	14.03	13.69	8.47
MT010160	MT920041/Harrington	13.59	13.79	14.93	13.53	8.50
MT020155	MT960225/H1851195	13.15	13.56	14.16	13.23	8.95
MT020162	MT960225/H1851195	13.04	14.83	14.22	13.71	8.46
MT030042	MT910189/MT960099	11.76	13.67	14.23	12.25	9.52
MT061035	Baronesse/MT981210	13.23	14.30	13.63	12.39	8.72
MT061104	Harrington/MT970229	13.07	13.98	14.38	13.04	9.68
MT061134	Kendal/Conlon	13.58	13.47	14.78	13.06	9.88
MT061169	MT960101/Coors 37	13.80	14.53	15.11	13.57	8.85
MT061201	MT970110/LK232	13.66	14.19	14.10	13.84	8.46
MT070086	MT970148/Coors37	12.62	14.27	13.25	12.93	9.09
MT070111	MT010178/Harrington	12.89	14.73	14.98	12.75	8.96
MT070125	MT981210/MT970116	13.07	15.69	14.38	12.85	9.01
MT070136	MT010178/MT970148	13.79	14.68	15.11	12.98	10.69
MT070148	MT990172/Metcalfe	13.18	14.97	15.01	13.57	8.67
MT070158	MT970148/Klages	13.03	14.66	13.71	13.02	12.26
MT070159	MT970148/Klages	13.15	13.84	13.64	13.05	8.17
MT070161	MT970148/Klages	13.20	14.85	13.18	13.47	8.80
MT070174	LK644///Hockett F5	11.77	12.80	12.61	11.88	7.55
MT070175	LK644///Hockett F5	11.35	12.96	12.27	11.04	9.01
MT080081	Coors/Metcalfe	12.90	15.00	14.50	13.40	8.26
MT080083	Coors/Metcalfe	13.02	14.73	14.76	13.21	8.52
MT080085	Coors/Metcalfe	12.37	15.38	15.37	13.12	8.27
MT080100	Karma	15.63	19.00	16.70	16.99	8.80
MT080243	MT960101/MT981210	12.85	14.13	15.06	12.86	7.72
MT080261	MT970026/MT981091	12.77	14.47	13.91	14.18	8.61
MT080279	MT970148/MT970116	12.87	14.17	13.87	13.04	8.53
MT080281	MT970148/MT970116	12.84	14.14	13.64	12.66	7.61
MT080285	MT970148/MT970116	13.31	14.92	14.23	13.25	8.82
MT090169	MT910189*/LK644/EslickBC3F43G3	10.40	12.32	12.89	11.01	9.19
MT090176	MT910189*/LK644/EslickBC3F33-G	10.53	13.34	12.83	11.58	8.65
MT090178	MT910189*/LK644/EslickBC3F33-G	11.43	12.94	13.39	11.55	8.49
MT090180	MT910189*/LK644/EslickBC3F33-G	11.14	13.50	13.24	12.24	9.18
MT090181	MT910189*/LK644/EslickBC3F33-G	11.34	13.36	13.29	11.75	9.89
MT090182	MT910189*/LK644/EslickBC3F33-G	11.37	12.93	12.77	12.17	9.17
MT090183	MT910189*/LK644/EslickBC3F33-G	11.34	13.13	13.10	12.08	10.19
MT090184	MT910189*/LK644/EslickBC3F33-G	11.21	13.27	12.78	12.15	8.89
MT090186	MT910189*/LK644/EslickBC3F33-G	11.06	13.27	12.85	11.72	10.05
MT090188	MT910189*/LK644/EslickBC3F33-G	11.06	13.42	12.67	11.85	9.32
MT090190	MT910189*/LK644/EslickBC3F33-G	11.04	13.35	13.08	11.87	10.31
MT090191	MT910189*/LK644/EslickBC3F33-G	11.13	13.74	12.56	12.06	9.13
MT090192	MT910189*/LK644/EslickBC3F33-G	11.11	13.76	13.13	11.52	7.36
MT090193	MT910189*/LK644/EslickBC3F33-G	11.58	13.40	13.80	12.07	7.95
MT090194	MT910189*/LK644/EslickBC3F33-G	11.17	13.36	13.07	12.15	8.33
MT090202	MT910189*/LK644/EslickBC3F37-I	11.50	13.29	12.68	11.55	8.16
MT090227	MT910189*/LK644/EslickBC3F37-L	11.23	12.73	12.39	10.97	7.94
MT090229	MT910189*/LK644/EslickBC3F37-L	10.93	12.77	13.12	10.72	7.33

2011 Spring Barley Statewide Summary **Irrigated Locations**

Protein %

ID	Pedigree	Bozeman	Sidney	Kalispell	Huntley	Conrad
MT910189	Hockett	12.72	13.93	14.39	13.27	7.72
MT950186	Haxby	12.92	14.35	15.26	13.21	7.89
MT960101	Geraldine	12.98	14.96	15.17	12.96	9.04
MT970116	Craft	13.19	13.76	15.70	13.18	8.18
PI568246	Baronesse	12.66	14.86	14.79	12.71	8.69
PI643354	Pinnacle	11.75	12.20	12.35	11.11	7.62
SK 76333	Harrington	12.83	14.71	15.54	13.55	7.63
Scarlett	Scarlett	13.47	15.19	14.67	13.65	7.72
TR232	Metcalfe	13.40	14.69	15.18	13.59	8.16
YU501385	Champion	13.12	13.00	14.12	11.96	9.23

	Bozeman	Sidney	Kalispell	Huntley	Conrad
Mean	12.53	14.10	14.09	12.71	8.76
C.V.	0.80	1.22	***	1.19	***
F-Value	38.32	12.58	***	14.04	***
L.S.D.	0.49	0.79	***	0.73	***
Efficiency of Design Rel. to RCB	127.65	120.88	***	141.70	***

Havre

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	67.46	9	51.75	9	80.99	8	183.91	8	26.91	9	14.23
6B952482	Tradition	9	58.95	9	47.96	9	74.35	8	180.71	8	27.45	9	14.12
MT910189	Hockett	9	70.1	9	50.97	9	83.27	8	184.22	8	25.95	9	14.27
MT960101	Geraldine	9	70.35	9	49.25	9	66.22	8	189.38	8	24.88	9	15.14
MT970116	Craft	9	61.96	9	51.23	9	85.28	8	183.07	8	29.52	9	14.43
PI568246	Baronesse	9	74.82	9	49.3	9	76.22	8	187.56	8	25.65	9	14.83
MT010158	Amsterdam	8	68.82	8	50.75	8	84.78	7	186.06	7	26.01	8	14.95
MT010160	MT920041/Harrington	8	69.29	8	50.19	8	79.84	7	185.03	7	26.93	8	14.77
SK 76333	Harrington	8	69.21	8	48.7	8	77.29	7	186.53	7	26.83	8	15.02
2B965057	Conrad	7	69.18	7	48.97	7	79.85	6	190.39	6	25.29	7	15.32
MT020155	MT960225/H1851195	7	73.08	7	49.63	7	81.31	6	181.18	6	27.21	7	14.55
MT020162	MT960225/H1851195	7	69.91	7	50.11	7	78.59	6	186.47	6	27.48	7	15.11
MT030042	MT910189/MT960099	7	72.17	7	51.18	7	71.65	6	186.06	6	24.77	7	13.7
YU501385	Champion	6	75.66	6	51.19	6	81.7	5	183.47	5	26.51	6	13.64
TR232	Metcalfe	5	68.65	5	49.55	5	80.6	4	185.12	4	27.2	5	15.48
MT061035	Baronesse/MT981210	4	85.54	4	49.26	4	75.98	4	187.43	3	26.03	4	14.8
MT061104	Harrington/MT970229	4	71.36	4	50.29	4	83.38	4	184.22	3	26.59	4	14.73
MT061169	MT960101/Coors 37	4	78.06	4	50.16	4	79.83	4	187.36	3	25.08	4	15.01
MT061134	Kendal/Conlon	3	68.11	3	49.39	3	80.25	3	186.63	2	28.26	3	14.98
MT061201	MT970110/LK232	3	71.2	3	50.05	3	80.91	3	182.2	2	28.91	3	14.4
MT070086	MT970148/Coors37	3	88.13	3	50.3	3	81.39	3	188.6	2	21.65	3	14.53
MT070111	MT010178/Harrington	3	84.86	3	50.86	3	81.11	3	187.48	2	27.73	3	14.58
MT070125	MT981210/MT970116	3	75.4	3	50.93	3	81.28	3	185.85	2	28.01	3	14.46
MT070148	MT990172/Metcalfe	3	83.46	3	49.86	3	81.85	3	184.73	2	26.49	3	14.57
MT070158	MT970148/Klages	3	90.79	3	50.49	3	82.38	3	186.4	2	26.23	3	14.79
MT070159	MT970148/Klages	3	87.44	3	50.02	3	79.58	3	186.19	2	24.72	3	14.9
MT070161	MT970148/Klages	3	84.64	3	50.64	3	79.52	3	185.89	2	25.71	3	14.72
MT070175	LK644///Hockett F5	3	84.96	3	50.04	3	80.31	3	185.45	2	28.51	3	13.58
EM090117	03013-25	2	81.33	2	48.87	2	77.44	2	193.47	1	21.44	2	15.61
EM090128	03021-03	2	79.11	2	50.34	2	76.79	2	189.67	1	19.95	2	14.48
COPELAND	Copeland	2	75.31	2	48.12	2	78.81	2	188.04	1	28.29	2	15.25
MT070136	MT010178/MT970148	2	71.67	2	50.56	2	80.74	2	186.33	1	29.45	2	15.23
MT080081	Coors/Metcalfe	2	82.82	2	49.12	2	79.11	2	188.02	1	23.25	2	14.32
MT080083	Coors/Metcalfe	2	83.29	2	49.15	2	78.55	2	187.19	1	22.42	2	14.72
MT080085	Coors/Metcalfe	2	78.51	2	50.59	2	78.72	2	189.82	1	24.74	2	14.83
MT080100	Karma	2	40.51	2	60.56	2	78.81	2	183.44	1	27.88	2	17.03
MT080243	MT960101/MT981210	2	80.83	2	49.39	2	75.59	2	187.6	1	26.45	2	14.61
MT080261	MT970026/MT981091	2	80.79	2	50.61	2	77.69	2	182.5	1	25.57	2	14.77
MT080279	MT970148/MT970116	2	83.75	2	50.35	2	79.41	2	188.85	1	24.39	2	14.59
MT080281	MT970148/MT970116	2	81.14	2	49.97	2	80.18	2	187.83	1	24.41	2	14.56
MT080285	MT970148/MT970116	2	83.09	2	50.65	2	80.14	2	189.28	1	24.03	2	15.22
PI643354	Pinnacle	2	76.35	2	51.05	2	83.65	2	181.97	1	26.89	2	13.5
MT070174	LK644///Hockett F5	2	75.08	2	50.56	2	82.9	2	182.23	1	29.34	2	13.05
EM090105	05032-068	1	64.77	1	49.15	1	76.22	1	184.97	0	0	1	13.92
EM090081	05037-079	1	66.48	1	50.21	1	74.94	1	186.9	0	0	1	14.98
MT090169	MT910189*/LK644/EslickBC3F43G3	1	55.88	1	51.08	1	80.74	1	184.97	0	0	1	13.07
MT090176	MT910189*/LK644/EslickBC3F33-G	1	64.36	1	50.98	1	80.23	1	186.61	0	0	1	12.64
MT090178	MT910189*/LK644/EslickBC3F33-G	1	62.08	1	50.89	1	82.87	1	186.61	0	0	1	12.75
MT090180	MT910189*/LK644/EslickBC3F33-G	1	65.99	1	50.4	1	79.89	1	185.65	0	0	1	12.64
MT090181	MT910189*/LK644/EslickBC3F33-G	1	67.54	1	51.27	1	81.34	1	186.9	0	0	1	13.07
MT090182	MT910189*/LK644/EslickBC3F33-G	1	62.65	1	50.21	1	77.58	1	188.06	0	0	1	12.85
MT090183	MT910189*/LK644/EslickBC3F33-G	1	65.01	1	49.92	1	82.02	1	185.55	0	0	1	13.07
MT090184	MT910189*/LK644/EslickBC3F33-G	1	62.57	1	50.79	1	81.59	1	186.9	0	0	1	13.17
MT090186	MT910189*/LK644/EslickBC3F33-G	1	62.24	1	51.75	1	78.18	1	186.9	0	0	1	12.96
MT090188	MT910189*/LK644/EslickBC3F33-G	1	66.73	1	50.5	1	81.68	1	186.03	0	0	1	12.85
MT090190	MT910189*/LK644/EslickBC3F33-G	1	64.28	1	50.11	1	81.59	1	188.06	0	0	1	12.96

Havre

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090191	MT910189*/LK644/EslickBC3F33-G	1	64.52	1	50.98	1	79.55	1	185.94	0	0	1	13.28
MT090192	MT910189*/LK644/EslickBC3F33-G	1	69.34	1	51.27	1	80.74	1	186.8	0	0	1	12.53
MT090193	MT910189*/LK644/EslickBC3F33-G	1	68.77	1	50.69	1	83.04	1	183.24	0	0	1	13.17
MT090194	MT910189*/LK644/EslickBC3F33-G	1	68.03	1	50.79	1	79.8	1	186.52	0	0	1	12.85
MT090202	MT910189*/LK644/EslickBC3F37-I	1	59.96	1	51.08	1	81.51	1	184.59	0	0	1	13.17
MT090227	MT910189*/LK644/EslickBC3F37-L	1	63.46	1	50.11	1	79.29	1	183.04	0	0	1	13.7
MT090229	MT910189*/LK644/EslickBC3F37-L	1	62.57	1	50.11	1	82.96	1	182.76	0	0	1	13.38
SCARLETT	Scarlett	1	108.81	1	49.98	1	82.37	1	188.18	1	23.17	1	14.62
AVERAGE		9	70.07	9	50.09	9	79.49	8	185.33	8	26.47	9	14.5

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	54.60	11.61	84.18	128.02	69.93	76.25	48.27	51.58	82.70	9	67.46
6B952482	Tradition	54.87	8.17	77.32	116.97	71.47	73.33	51.46	7.36	69.60	9	58.95
MT910189	Hockett	51.92	10.46	82.05	126.78	61.70	74.47	71.29	77.66	74.60	9	70.1
MT960101	Geraldine	57.11	14.04	77.01	113.95	58.93	68.43	70.26	93.26	80.20	9	70.35
MT970116	Craft	59.75	11.92	77.91	121.16	64.30	68.06	37.30	37.36	79.90	9	61.96
PI568246	Baronesse	56.60	14.12	83.17	124.84	66.77	80.37	73.34	89.39	84.80	9	74.82
MT010158	Amsterdam	0.00	18.92	78.25	116.95	62.70	76.89	66.52	78.23	65.20	8	68.82
MT010160	MT920041/Harrington	0.00	15.32	76.43	114.85	66.97	72.81	72.13	70.19	78.80	8	69.29
SK 76333	Harrington	53.55	12.37	70.81	115.45	64.60	0.00	69.85	82.47	75.60	8	69.21
2B965057	Conrad	0.00	0.00	77.63	121.65	57.63	69.12	70.26	82.32	76.10	7	69.18
MT020155	MT960225/H1851195	0.00	0.00	87.93	129.03	72.00	67.16	77.09	75.60	77.20	7	73.08
MT020162	MT960225/H1851195	0.00	0.00	82.96	127.15	59.83	76.17	68.92	72.82	72.70	7	69.91
MT030042	MT910189/MT960099	0.00	0.00	87.20	115.69	72.70	77.57	72.89	74.42	78.20	7	72.17
YU501385	Champion	0.00	0.00	92.06	132.24	64.40	84.23	81.80	0.00	94.10	6	75.66
TR232	Metcalfe	0.00	0.00	0.00	116.90	53.50	0.00	69.45	77.85	69.50	5	68.65
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	79.40	82.34	89.72	76.70	4	85.54
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	65.83	63.32	65.20	79.40	4	71.36
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	77.82	66.29	81.57	73.80	4	78.06
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	68.78	65.54	0.00	74.90	3	68.11
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	74.55	66.85	0.00	77.30	3	71.2
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	78.46	74.93	85.10	3	88.13
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	76.28	78.36	75.00	3	84.86
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	58.37	63.16	82.50	3	75.4
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	69.12	71.34	85.40	3	83.46
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	67.03	92.76	85.90	3	90.79
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	78.31	76.82	81.50	3	87.44
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	70.31	84.34	74.40	3	84.64
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	74.29	81.02	74.60	3	84.96
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.89	76.00	2	81.33
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.76	78.70	2	79.11
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.00	72.90	2	75.31
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	58.54	0.00	80.60	2	71.67
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.26	86.60	2	82.82
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.98	82.80	2	83.29
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.38	72.90	2	78.51
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.43	38.20	2	40.51
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00	78.90	2	80.83
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.51	83.30	2	80.79
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.51	83.20	2	83.75
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.42	81.10	2	81.14
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.90	78.50	2	83.09
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.07	75.90	2	76.35
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	68.66	0.00	77.10	2	75.08
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.40	1	64.77
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.50	1	66.48
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.50	1	55.88
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.90	1	64.36
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.10	1	62.08
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.90	1	65.99
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.80	1	67.54
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.80	1	62.65
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.70	1	65.01
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.70	1	62.57

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.30	1	62.24
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.80	1	66.73
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.80	1	64.28
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.10	1	64.52
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	1	69.34
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.30	1	68.77
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.40	1	68.03
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.50	1	59.96
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.80	1	63.46
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.70	1	62.57
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.20	0.00	1	108.81
AVERAGE		55.49	12.99	81.07	121.44	64.50	73.96	68.15	75.08	77.94	9	70.07

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	50.37	48.85	51.07	55.62	50.67	52.84	52.00	50.66	53.70	9	51.75
6B952482	Tradition	46.80	45.00	45.47	52.33	47.03	49.00	48.60	47.92	49.50	9	47.96
MT910189	Hockett	49.73	49.08	48.65	54.63	49.93	51.91	51.24	51.20	52.40	9	50.97
MT960101	Geraldine	49.13	47.23	45.56	53.21	47.33	49.52	50.40	49.34	51.50	9	49.25
MT970116	Craft	50.50	48.58	50.11	55.28	50.00	51.37	51.46	50.60	53.20	9	51.23
PI568246	Baronesse	48.87	46.11	46.06	53.57	48.70	49.78	50.11	49.44	51.10	9	49.3
MT010158	Amsterdam	0.00	48.88	49.85	54.83	49.60	51.18	50.57	49.87	52.60	8	50.75
MT010160	MT920041/Harrington	0.00	47.38	48.63	54.50	47.93	50.84	50.92	50.23	52.40	8	50.19
SK 76333	Harrington	48.37	45.38	45.42	52.45	47.20	0.00	49.83	49.16	50.80	8	48.7
2B965057	Conrad	0.00	0.00	46.69	53.24	47.43	49.62	49.43	49.15	51.30	7	48.97
MT020155	MT960225/H1851195	0.00	0.00	48.90	54.02	47.47	50.70	49.44	49.69	51.30	7	49.63
MT020162	MT960225/H1851195	0.00	0.00	50.17	54.56	48.87	50.58	50.36	49.45	50.90	7	50.11
MT030042	MT910189/MT960099	0.00	0.00	48.53	55.19	50.77	51.63	51.93	51.36	53.10	7	51.18
YU501385	Champion	0.00	0.00	50.16	55.08	50.33	52.36	51.73	0.00	52.80	6	51.19
TR232	Metcalfe	0.00	0.00	0.00	52.70	48.23	0.00	50.67	48.26	51.60	5	49.55
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	50.70	50.04	48.30	50.10	4	49.26
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	51.45	49.81	50.04	52.00	4	50.29
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	50.04	51.20	50.32	51.20	4	50.16
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	50.95	48.94	0.00	51.40	3	49.39
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	51.14	50.77	0.00	51.40	3	50.05
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	50.43	49.94	51.60	3	50.3
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	51.23	50.12	52.30	3	50.86
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	51.00	50.27	52.60	3	50.93
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	49.81	49.54	51.30	3	49.86
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	50.02	50.62	51.90	3	50.49
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	49.92	49.89	51.30	3	50.02
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	50.33	50.58	52.10	3	50.64
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	50.04	49.35	51.80	3	50.04
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.55	51.00	2	48.87
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.32	52.20	2	50.34
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.43	48.60	2	48.12
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	50.96	0.00	52.30	2	50.56
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.24	50.80	2	49.12
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.32	50.80	2	49.15
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.81	52.20	2	50.59
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.41	62.70	2	60.56
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.89	50.70	2	49.39
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.06	52.00	2	50.61
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.23	51.30	2	50.35
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.47	51.30	2	49.97
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.33	51.80	2	50.65
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.64	53.30	2	51.05
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	49.77	0.00	53.50	2	50.56
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	49.15
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.10	1	50.21
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	51.08
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	1	50.98
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.80	1	50.89
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.30	1	50.4
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.20	1	51.27
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.10	1	50.21

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.80	1	49.92
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	1	50.79
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	51.75
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.40	1	50.5
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	50.11
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	1	50.98
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.20	1	51.27
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.60	1	50.69
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	1	50.79
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	51.08
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	50.11
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	50.11
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.92	0.00	1	49.98
AVERAGE		49.11	47.39	48.23	54.08	48.77	50.87	50.43	49.84	52.13	9	50.09

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ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	83.50	42.50	67.90	88.75	70.20	90.60	96.60	93.90	95.00	9	80.99
6B952482	Tradition	79.00	45.50	67.10	97.56	56.50	84.20	90.70	90.40	58.20	9	74.35
MT910189	Hockett	89.60	61.20	46.70	94.49	81.30	92.40	96.10	97.20	90.40	9	83.27
MT960101	Geraldine	80.50	20.80	37.50	74.57	39.00	74.10	94.80	92.30	82.40	9	66.22
MT970116	Craft	92.70	54.20	74.60	90.99	75.70	92.70	97.00	97.30	92.30	9	85.28
PI568246	Baronesse	86.00	38.20	49.40	84.87	56.60	86.00	96.30	94.90	93.70	9	76.22
MT010158	Amsterdam	0.00	53.00	83.70	94.79	72.40	85.40	94.80	97.00	94.50	8	84.78
MT010160	MT920041/Harrington	0.00	37.90	66.70	91.08	69.80	84.40	95.30	96.80	94.30	8	79.84
SK 76333	Harrington	88.70	33.50	48.30	86.85	68.80	0.00	93.50	95.70	93.80	8	77.29
2B965057	Conrad	0.00	0.00	58.40	90.50	74.00	87.40	95.40	96.60	92.10	7	79.85
MT020155	MT960225/H1851195	0.00	0.00	63.80	89.61	75.40	91.00	94.20	96.80	94.50	7	81.31
MT020162	MT960225/H1851195	0.00	0.00	74.00	89.96	63.70	83.70	91.80	93.60	88.30	7	78.59
MT030042	MT910189/MT960099	0.00	0.00	29.50	85.71	66.30	83.20	94.60	94.30	79.80	7	71.65
YU501385	Champion	0.00	0.00	68.50	88.41	72.60	91.00	97.50	0.00	95.50	6	81.7
TR232	Metcalfe	0.00	0.00	0.00	85.98	71.20	0.00	97.20	92.00	95.90	5	80.6
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	91.00	96.00	91.30	74.50	4	75.98
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	95.40	97.10	98.20	96.50	4	83.38
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	90.00	94.00	94.70	92.00	4	79.83
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	94.10	97.00	0.00	88.50	3	80.25
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	92.20	96.80	0.00	92.90	3	80.91
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	95.50	96.10	95.30	3	81.39
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	96.50	95.00	94.40	3	81.11
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	96.50	97.60	92.40	3	81.28
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	96.80	97.20	94.50	3	81.85
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	95.60	97.80	97.00	3	82.38
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	94.90	97.10	88.50	3	79.58
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	96.60	98.20	85.50	3	79.52
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	97.00	96.70	89.40	3	80.31
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	85.10	2	77.44
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	83.10	2	76.79
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	89.00	2	78.81
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	97.00	0.00	94.00	2	80.74
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.30	92.20	2	79.11
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.10	90.10	2	78.55
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.60	91.00	2	78.72
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.20	91.60	2	78.81
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	83.50	2	75.59
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.70	88.50	2	77.69
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	90.20	2	79.41
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.90	95.10	2	80.18
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	90.40	2	80.14
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.90	98.20	2	83.65
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	98.20	0.00	97.90	2	82.9
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.40	1	76.22
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.90	1	74.94
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.70	1	80.74
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.10	1	80.23
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.20	1	82.87
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.70	1	79.89
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.40	1	81.34
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	77.58

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ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.20	1	82.02
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.70	1	81.59
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.70	1	78.18
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.80	1	81.68
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.70	1	81.59
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.30	1	79.55
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.70	1	80.74
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.40	1	83.04
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.60	1	79.8
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	1	81.51
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	79.29
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.30	1	82.96
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	0.00	1	82.37
AVERAGE		85.71	42.98	59.72	88.94	67.57	88.27	95.71	95.04	91.51	9	79.49

ID	PEDIGREE	2002	2003	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	194.39	186.18	177.95	179.33	184.12	178.82	179.71	190.80	8	183.91
6B952482	Tradition	191.68	182.73	175.89	175.00	181.69	176.21	179.00	183.50	8	180.71
MT910189	Hockett	193.44	187.46	179.68	179.33	183.77	179.68	180.27	190.10	8	184.22
MT960101	Geraldine	192.35	192.32	186.78	184.67	189.52	184.07	188.70	196.60	8	189.38
MT970116	Craft	192.90	186.19	179.50	178.67	182.76	178.47	179.40	186.70	8	183.07
PI568246	Baronesse	193.59	188.64	188.24	182.33	183.40	181.01	187.30	196.00	8	187.56
MT010158	Amsterdam	0.00	185.54	184.11	181.67	185.08	180.18	182.41	192.80	7	186.06
MT010160	MT920041/Harrington	0.00	186.98	180.47	179.33	185.63	179.74	183.55	189.00	7	185.03
SK 76333	Harrington	192.20	189.36	181.37	182.33	0.00	181.85	183.56	194.80	7	186.53
2B965057	Conrad	0.00	0.00	189.40	183.67	189.14	182.37	187.55	197.00	6	190.39
MT020155	MT960225/H1851195	0.00	0.00	178.00	174.67	178.31	175.91	179.22	188.40	6	181.18
MT020162	MT960225/H1851195	0.00	0.00	179.10	181.67	186.43	181.08	185.72	191.90	6	186.47
MT030042	MT910189/MT960099	0.00	0.00	183.56	180.00	184.54	179.84	181.31	194.20	6	186.06
YU501385	Champion	0.00	0.00	179.64	178.00	183.40	177.59	0.00	190.20	5	183.47
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	184.76	180.51	185.79	196.40	4	187.43
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	185.42	178.42	179.94	190.90	4	184.22
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	185.86	181.33	187.00	193.00	4	187.36
TR232	Metcalfe	0.00	0.00	0.00	179.00	0.00	179.99	182.65	191.80	4	185.12
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	188.22	180.30	0.00	193.40	3	186.63
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	183.17	177.32	0.00	188.10	3	182.2
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	181.78	187.35	194.20	3	188.6
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	180.41	185.98	193.60	3	187.48
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	180.19	183.84	191.10	3	185.85
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	178.42	180.24	193.10	3	184.73
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	181.07	182.78	192.90	3	186.4
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	179.86	184.06	192.20	3	186.19
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	179.94	183.70	191.60	3	185.89
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	180.84	181.68	191.40	3	185.45
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	190.56	199.20	2	193.47
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	185.60	196.50	2	189.67
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	185.72	193.10	2	188.04
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	181.97	0.00	192.50	2	186.33
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	185.08	193.70	2	188.02
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	184.51	192.60	2	187.19
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	186.62	195.80	2	189.82
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	180.36	189.20	2	183.44
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	184.64	193.30	2	187.6
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	178.87	188.80	2	182.5
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	184.95	195.50	2	188.85
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	184.00	194.40	2	187.83
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	186.52	194.80	2	189.28
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	179.99	186.60	2	181.97
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	177.14	0.00	189.10	2	182.23
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.90	1	184.97
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.90	1	186.9
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.90	1	184.97
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.60	1	186.61
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.60	1	186.61
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.60	1	185.65
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.90	1	186.9
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.10	1	188.06
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.50	1	185.55
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.90	1	186.9
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.90	1	186.9

Havre

ID	PEDIGREE	2002	2003	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.00	1	186.03
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.10	1	188.06
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.90	1	185.94
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.80	1	186.8
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.10	1	183.24
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.50	1	186.52
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.50	1	184.59
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.90	1	183.04
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.60	1	182.76
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	183.88	0.00	1	188.18
AVERAGE		192.94	187.27	181.69	179.98	184.73	179.88	183.69	192.49	8	185.33

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Coomp Ave
MT950186	Haxby	21.44	19.44	32.93	32.10	25.05	29.37	23.64	31.29	8	26.91
6B952482	Tradition	21.56	18.45	30.90	33.71	24.80	29.26	26.38	34.58	8	27.45
MT910189	Hockett	21.81	17.89	28.54	33.87	25.14	27.86	23.60	28.92	8	25.95
MT960101	Geraldine	22.10	18.24	28.10	32.50	21.38	26.77	22.65	27.33	8	24.88
MT970116	Craft	24.15	19.41	35.19	35.65	28.77	31.70	27.31	33.97	8	29.52
PI568246	Baronesse	21.34	19.65	28.13	31.91	23.28	30.26	22.72	27.91	8	25.65
MT010158	Amsterdam	0.00	19.08	31.09	31.73	23.16	28.41	24.59	29.31	7	26.01
MT010160	MT920041/Harrington	0.00	19.74	30.90	33.92	25.89	29.11	25.70	28.71	7	26.93
SK 76333	Harrington	22.05	19.53	30.86	32.91	23.14	0.00	24.28	32.59	7	26.83
2B965057	Conrad	0.00	0.00	27.99	30.75	24.57	28.71	22.75	29.11	6	25.29
MT020155	MT960225/H1851195	0.00	0.00	31.46	33.02	26.25	29.17	25.10	31.36	6	27.21
MT020162	MT960225/H1851195	0.00	0.00	32.45	34.39	24.29	29.12	25.81	32.04	6	27.48
MT030042	MT910189/MT960099	0.00	0.00	27.65	31.18	22.43	26.85	23.60	28.82	6	24.77
YU501385	Champion	0.00	0.00	31.02	32.19	24.37	28.94	24.45	0.00	5	26.51
TR232	Metcalfe	0.00	0.00	0.00	32.87	25.39	0.00	24.88	30.17	4	27.2
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	28.34	24.60	28.61	3	26.03
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	28.17	23.23	31.92	3	26.59
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	27.35	24.30	26.92	3	25.08
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	28.73	26.95	0.00	2	28.26
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	30.45	26.51	0.00	2	28.91
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	20.28	23.91	2	21.65
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	25.29	31.32	2	27.73
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	24.82	32.37	2	28.01
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	24.86	29.21	2	26.49
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	23.20	30.34	2	26.23
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	22.56	27.90	2	24.72
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	22.92	29.57	2	25.71
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	25.93	32.28	2	28.51
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.93	1	21.44
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.20	1	19.95
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.90	1	28.29
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	25.87	0.00	1	29.45
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.04	1	23.25
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.07	1	22.42
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.77	1	24.74
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.42	1	27.88
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.76	1	26.45
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.73	1	25.57
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.36	1	24.39
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.39	1	24.41
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.94	1	24.03
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.27	1	26.89
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.94	1	23.17
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	25.78	0.00	1	29.34
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Coomp Ave
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		22.06	19.05	30.52	32.85	24.53	28.81	24.49	29.47	8	26.47

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	16.25	17.98	15.80	9.24	15.07	15.20	13.27	11.90	13.40	9	14.23
6B952482	Tradition	16.19	17.13	15.10	9.60	15.17	14.44	13.06	12.19	14.20	9	14.12
MT910189	Hockett	16.47	17.34	16.20	10.38	14.73	14.35	13.27	12.12	13.60	9	14.27
MT960101	Geraldine	16.94	19.34	17.30	9.52	16.53	15.87	14.30	12.68	13.80	9	15.14
MT970116	Craft	15.76	18.00	16.00	9.64	15.43	15.21	13.29	12.54	14.00	9	14.43
PI568246	Baronesse	16.33	18.47	16.70	9.56	16.33	15.59	14.15	11.81	14.50	9	14.83
MT010158	Amsterdam	0.00	17.42	16.70	10.01	16.00	15.22	14.05	13.22	14.90	8	14.95
MT010160	MT920041/Harrington	0.00	18.33	17.30	9.53	15.97	15.21	13.60	11.99	14.10	8	14.77
SK 76333	Harrington	16.64	19.19	17.00	9.92	15.80	0.00	13.76	12.45	14.40	8	15.02
2B965057	Conrad	0.00	0.00	16.40	9.93	16.37	16.45	14.22	12.75	14.90	7	15.32
MT020155	MT960225/H1851195	0.00	0.00	15.20	9.89	14.97	15.08	13.27	12.95	14.60	7	14.55
MT020162	MT960225/H1851195	0.00	0.00	15.50	9.96	16.10	15.75	14.27	13.17	14.90	7	15.11
MT030042	MT910189/MT960099	0.00	0.00	16.10	8.84	14.70	13.87	12.68	11.05	13.10	7	13.7
YU501385	Champion	0.00	0.00	13.90	9.15	14.63	14.26	13.14	0.00	13.50	6	13.64
TR232	Metcalfe	0.00	0.00	0.00	10.06	16.43	0.00	14.10	13.01	14.80	5	15.48
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	15.15	13.77	12.58	14.40	4	14.8
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	15.33	13.70	12.80	13.80	4	14.73
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	15.55	14.11	12.45	14.60	4	15.01
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	15.59	13.96	0.00	14.50	3	14.98
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	14.79	13.36	0.00	14.20	3	14.4
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	12.88	12.90	13.60	3	14.53
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	13.32	12.19	14.00	3	14.58
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	13.26	12.52	13.40	3	14.46
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	13.17	12.41	13.90	3	14.57
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	13.08	12.60	14.40	3	14.79
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	13.60	12.08	14.70	3	14.9
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	13.17	12.51	14.20	3	14.72
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	11.88	11.61	13.30	3	13.58
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.74	15.00	2	15.61
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.84	13.90	2	14.48
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01	14.10	2	15.25
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	14.23	0.00	14.30	2	15.23
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.36	13.10	2	14.32
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.26	13.90	2	14.72
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.46	13.90	2	14.83
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.07	16.20	2	17.03
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.57	13.40	2	14.61
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.55	13.70	2	14.77
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.13	13.80	2	14.59
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.17	13.70	2	14.56
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.86	14.20	2	15.22
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.99	12.00	2	13.5
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	12.16	0.00	12.30	2	13.05
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	13.92
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.10	1	14.98
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	13.07
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	12.64
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	1	12.75
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	12.64
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	13.07
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	1	12.85

Havre

ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	13.07
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	1	13.17
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	1	12.96
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	1	12.85
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	1	12.96
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	1	13.28
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.80	1	12.53
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	1	13.17
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	1	12.85
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	1	13.17
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90	1	13.7
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60	1	13.38
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.22	0.00	1	14.62
AVERAGE		16.37	18.13	16.09	9.68	15.62	15.16	13.47	12.45	13.50	9	14.5

Sidney

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	10	71.74	10	51.51	10	76.75	10	172.8	10	25.83	10	12.66
6B952482	Tradition	10	69.73	10	48.83	10	80.8	10	172.1	10	27.46	10	13.11
MT910189	Hockett	10	68.77	10	49.84	10	82.6	10	171.68	10	25.02	10	12.53
MT970116	Craft	10	69.36	10	50.34	10	83.35	10	172.64	10	27.57	10	13.19
PI568246	Baronesse	10	70.74	10	48.97	10	72.4	10	175.09	10	23.4	10	13.3
MT010158	Amsterdam	9	64.39	9	49.21	9	76.16	9	173.8	9	24.73	9	13.62
MT010160	MT920041/Harrington	9	68.8	9	48.58	9	70.8	9	174.19	9	25.52	9	13.49
MT960101	Geraldine	9	65.74	9	48.55	9	64.35	9	176.3	9	22.9	9	13.49
SK 76333	Harrington	9	67.14	9	47.67	9	79.75	9	174.46	9	24.5	9	13.04
2B965057	Conrad	8	70.16	8	48	8	76.05	8	174.46	8	24.34	8	13.49
MT020155	MT960225/H1851195	8	74.86	8	48.89	8	76.57	8	170.14	8	26.1	8	12.79
MT020162	MT960225/H1851195	8	69.87	8	49.28	8	75.05	8	175.34	8	26.17	8	13.38
MT030042	MT910189/MT960099	7	74.34	7	50.49	7	73.62	7	172.33	7	23.97	7	11.9
YU501385	Champion	6	77.67	6	50.54	6	72.6	6	174.12	6	24.75	6	12.01
TR232	Metcalfe	6	66.33	6	49.32	6	76.97	6	172.97	6	26.1	6	13.12
MT061035	Baronesse/MT981210	4	68.98	4	49.4	4	73.77	4	175.96	4	23.99	4	13.47
MT061104	Harrington/MT970229	4	69.92	4	49.01	4	89.17	4	172.53	4	24.85	4	13.08
MT061169	MT960101/Coors 37	4	68.83	4	49.4	4	78.49	4	175.84	4	22.96	4	13.72
MT061134	Kendal/Conlon	3	57.94	3	47.23	3	81.35	3	174.2	3	23.69	3	12.98
MT061201	MT970110/LK232	3	66.24	3	49.06	3	70.74	3	173.33	3	24.69	3	12.43
MT070086	MT970148/Coors37	3	77.31	3	50.16	3	81.83	3	175.83	3	21.29	3	13.92
MT070111	MT010178/Harrington	3	71.58	3	49.86	3	74.96	3	174.37	3	27.52	3	13.27
MT070125	MT981210/MT970116	3	79.12	3	50.57	3	77.35	3	176.5	3	26.97	3	13.27
MT070148	MT990172/Metcalfe	3	68.44	3	49.92	3	82.72	3	174.95	3	24.27	3	13.3
MT070158	MT970148/Klages	3	75.9	3	49.28	3	73.46	3	174.46	3	24.82	3	13.08
MT070159	MT970148/Klages	3	68.94	3	49.47	3	78.24	3	174.83	3	24.13	3	12.81
MT070161	MT970148/Klages	3	69.81	3	50.26	3	81.53	3	173.56	3	22.78	3	13.31
MT070175	LK644///Hockett F5	3	65.99	3	50	3	82.13	3	175.16	3	26.09	3	11.97
EM090117	03013-25	2	75.3	2	48.99	2	85.81	2	178	2	23.75	2	13.97
EM090128	03021-03	2	73.75	2	49.49	2	80.56	2	177.32	2	24.42	2	13.5
COPELAND	Copeland	2	68.71	2	47.22	2	81.99	2	175.21	2	28.52	2	13.74
MT070136	MT010178/MT970148	2	67.41	2	50.18	2	80.47	2	177.4	2	23.73	2	13.66
MT080081	Coors/Metcalfe	2	62.62	2	48.73	2	70.08	2	177.24	2	25.31	2	14.24
MT080083	Coors/Metcalfe	2	63.67	2	48.73	2	81.04	2	176.69	2	25.2	2	14.48
MT080085	Coors/Metcalfe	2	73.31	2	50	2	76.75	2	176.25	2	26.59	2	14.52
MT080100	Karma	2	33.71	2	61.11	2	83.42	2	174.39	2	28.81	2	16.62
MT080243	MT960101/MT981210	2	70.87	2	48.73	2	79.61	2	176.09	2	27.47	2	14.16
MT080261	MT970026/MT981091	2	78.71	2	49.74	2	75.32	2	174.39	2	26.54	2	13.51
MT080279	MT970148/MT970116	2	70.33	2	47.47	2	63.88	2	174.95	2	24.71	2	14.4
MT080281	MT970148/MT970116	2	77.03	2	48.99	2	77.7	2	173.65	2	24.58	2	13.64
MT080285	MT970148/MT970116	2	61.01	2	50.25	2	82.47	2	175.73	2	22.47	2	13.54
PI643354	Pinnacle	2	65.84	2	49.49	2	83.42	2	171.94	2	24.99	2	12.04
SCARLETT	Scarlett	2	68.17	2	46.97	2	72.46	2	177.33	2	24.45	2	12.77
MT070174	LK644///Hockett F5	2	65.33	2	50.23	2	80.94	2	174.45	2	25.98	2	11.83
EM090105	05032-068	1	75.1	1	47.75	1	84.54	1	175.62	1	22.08	1	12.83
EM090081	05037-079	1	69.76	1	49.9	1	90.1	1	177.5	1	25.42	1	13.89
MT090169	MT910189*/LK644/EslickBC3F43G3	1	72.35	1	50.44	1	90.1	1	171.96	1	22.48	1	11.77
MT090176	MT910189*/LK644/EslickBC3F33-G	1	68.38	1	50.44	1	80.09	1	177.78	1	25.22	1	11.68
MT090178	MT910189*/LK644/EslickBC3F33-G	1	67.93	1	51.51	1	92.32	1	176.09	1	26.03	1	11.86
MT090180	MT910189*/LK644/EslickBC3F33-G	1	68.38	1	49.9	1	78.97	1	177.59	1	25.22	1	12.21
MT090181	MT910189*/LK644/EslickBC3F33-G	1	67.47	1	50.97	1	93.43	1	177.97	1	26.03	1	11.95
MT090182	MT910189*/LK644/EslickBC3F33-G	1	70.67	1	50.44	1	90.1	1	177.03	1	25.52	1	12.04
MT090183	MT910189*/LK644/EslickBC3F33-G	1	62.43	1	49.36	1	71.19	1	178.16	1	26.33	1	12.39
MT090184	MT910189*/LK644/EslickBC3F33-G	1	63.04	1	48.83	1	72.3	1	178.82	1	26.33	1	12.21
MT090186	MT910189*/LK644/EslickBC3F33-G	1	70.83	1	50.97	1	81.2	1	178.25	1	25.32	1	12.04
MT090188	MT910189*/LK644/EslickBC3F33-G	1	63.5	1	50.97	1	90.1	1	177.59	1	23.8	1	12.04

Sidney

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090190	MT910189*/LK644/EslickBC3F33-G	1	69.15	1	49.9	1	91.21	1	177.41	1	26.43	1	11.86
MT090191	MT910189*/LK644/EslickBC3F33-G	1	56.94	1	51.51	1	88.99	1	177.97	1	25.52	1	11.95
MT090192	MT910189*/LK644/EslickBC3F33-G	1	64.42	1	50.97	1	83.42	1	178.16	1	26.33	1	11.77
MT090193	MT910189*/LK644/EslickBC3F33-G	1	61.21	1	50.44	1	77.86	1	177.59	1	27.24	1	12.39
MT090194	MT910189*/LK644/EslickBC3F33-G	1	57.24	1	50.44	1	91.21	1	175.62	1	25.52	1	12.04
MT090202	MT910189*/LK644/EslickBC3F37-I	1	67.62	1	51.51	1	93.43	1	176.65	1	26.64	1	12.66
MT090227	MT910189*/LK644/EslickBC3F37-L	1	62.58	1	50.44	1	92.32	1	177.31	1	24.41	1	11.77
MT090229	MT910189*/LK644/EslickBC3F37-L	1	65.18	1	48.83	1	80.09	1	175.53	1	24.41	1	11.77
AVERAGE		10	69.36	10	49.34	10	77.95	10	173.65	10	25.12	10	13.02

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	51.18	86.53	110.53	72.08	84.48	80.00	69.52	46.14	69.97	47.00	10	71.74
6B952482	Tradition	54.63	91.49	102.48	74.70	77.11	85.10	56.55	41.52	72.35	41.40	10	69.73
MT910189	Hockett	49.66	88.28	94.07	70.71	82.43	74.50	64.28	42.19	75.52	46.10	10	68.77
MT970116	Craft	51.87	87.01	101.04	71.42	78.56	77.30	60.99	45.73	68.20	51.50	10	69.36
PI568246	Baronesse	51.24	84.46	103.05	70.28	79.59	83.30	61.64	49.38	79.26	45.20	10	70.74
MT010158	Amsterdam	0.00	77.10	93.89	66.81	76.14	76.50	61.92	49.75	64.88	31.00	9	64.39
MT010160	MT920041/Harrington	0.00	87.46	101.01	77.90	82.38	83.90	59.22	46.51	61.58	39.00	9	68.8
MT960101	Geraldine	42.20	83.04	0.00	69.01	74.95	83.10	57.68	40.04	63.69	42.40	9	65.74
SK 76333	Harrington	49.53	74.76	102.48	70.87	77.96	78.50	0.00	40.86	67.91	43.50	9	67.14
2B965057	Conrad	0.00	0.00	97.31	79.46	80.48	81.20	61.79	45.86	74.66	46.20	8	70.16
MT020155	MT960225/H1851195	0.00	0.00	108.81	79.02	88.84	85.20	67.56	49.20	80.25	46.00	8	74.86
MT020162	MT960225/H1851195	0.00	0.00	110.79	74.07	76.28	79.20	61.23	47.25	75.38	40.40	8	69.87
MT030042	MT910189/MT960099	0.00	0.00	0.00	80.74	82.02	77.70	66.98	51.55	71.90	55.30	7	74.34
YU501385	Champion	0.00	0.00	0.00	75.49	92.61	80.10	71.55	53.73	0.00	58.70	6	77.67
TR232	Metcalfe	0.00	0.00	99.59	0.00	78.45	76.60	0.00	46.79	68.24	35.40	6	66.33
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	59.11	45.04	74.31	45.20	4	68.98
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	66.33	36.16	82.92	41.30	4	69.92
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	58.65	45.26	66.36	52.90	4	68.83
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	61.95	32.41	0.00	37.00	3	57.94
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	62.52	40.36	0.00	47.30	3	66.24
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.19	68.17	53.40	3	77.31
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.43	76.10	44.20	3	71.58
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.06	80.13	50.70	3	79.12
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.71	72.00	39.90	3	68.44
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.07	75.78	50.70	3	75.9
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.66	61.67	45.40	3	68.94
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.16	78.05	36.50	3	69.81
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.96	73.18	33.90	3	65.99
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.67	47.10	2	75.3
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.75	43.50	2	73.75
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.33	38.70	2	68.71
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.51	0.00	44.00	2	67.41
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.59	37.50	2	62.62
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.21	42.60	2	63.67
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.03	34.50	2	73.31
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.26	12.70	2	33.71
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.74	43.80	2	70.87
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.33	55.00	2	78.71
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.16	44.50	2	70.33
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.19	49.40	2	77.03
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.27	38.20	2	61.01
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.95	34.40	2	65.84
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.74	42.40	2	68.17
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.62	0.00	38.20	2	65.33
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.20	1	75.1
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.70	1	69.76
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.40	1	72.35
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.80	1	68.38
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	67.93
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.80	1	68.38
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.20	1	67.47
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.30	1	70.67
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.90	1	62.43
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.30	1	63.04
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.40	1	70.83
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.60	1	63.5

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.30	1	69.15
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.30	1	56.94
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.20	1	64.42
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.10	1	61.21
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.50	1	57.24
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.30	1	67.62
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.00	1	62.58
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.70	1	65.18
AVERAGE		50.04	84.46	102.09	73.75	80.82	80.15	62.75	45.27	71.17	43.15	10	69.36

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	49.69	52.40	53.20	50.90	51.80	52.20	50.61	52.31	54.00	48.00	10	51.51
6B952482	Tradition	47.28	49.47	49.48	48.23	49.93	49.60	47.20	50.59	50.50	46.00	10	48.83
MT910189	Hockett	47.53	50.94	51.09	49.54	49.98	52.20	48.45	51.15	50.50	47.00	10	49.84
MT970116	Craft	48.22	51.47	51.39	49.70	50.77	51.80	49.00	51.52	52.00	47.50	10	50.34
PI568246	Baronesse	48.39	48.23	49.96	48.86	47.79	50.40	45.04	51.54	53.00	46.50	10	48.97
MT010158	Amsterdam	0.00	50.63	49.96	48.86	50.00	50.00	47.73	49.99	52.00	45.50	9	49.21
MT010160	MT920041/Harrington	0.00	49.04	49.86	46.13	49.02	50.70	46.04	50.69	52.50	45.00	9	48.58
MT960101	Geraldine	47.67	49.30	0.00	49.28	48.20	49.30	44.75	51.37	49.00	46.50	9	48.55
SK 76333	Harrington	45.55	47.30	50.03	45.71	48.11	47.70	0.00	50.96	50.00	44.50	9	47.67
2B965057	Conrad	0.00	0.00	50.04	47.93	47.32	49.30	46.01	51.24	48.50	44.50	8	48
MT020155	MT960225/H1851195	0.00	0.00	50.88	47.76	49.34	50.40	47.78	49.86	51.50	44.50	8	48.89
MT020162	MT960225/H1851195	0.00	0.00	51.10	49.27	49.65	50.90	46.44	51.30	50.50	46.00	8	49.28
MT030042	MT910189/MT960099	0.00	0.00	0.00	50.47	49.59	51.60	49.29	52.23	52.00	47.50	7	50.49
YU501385	Champion	0.00	0.00	0.00	50.18	50.28	51.50	48.75	51.83	0.00	47.50	6	50.54
TR232	Metcalfe	0.00	0.00	50.28	0.00	49.68	49.60	0.00	52.19	50.50	46.00	6	49.32
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	45.03	52.48	52.00	47.00	4	49.4
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	47.56	50.43	51.00	46.00	4	49.01
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	45.97	51.56	52.50	46.50	4	49.4
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	45.39	48.99	0.00	44.00	3	47.23
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	48.92	50.82	0.00	44.00	3	49.06
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.27	51.50	46.50	3	50.16
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.85	51.50	46.00	3	49.86
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	52.50	47.00	3	50.57
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.54	52.50	46.50	3	49.92
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.62	52.50	44.50	3	49.28
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.20	51.50	45.50	3	49.47
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.56	53.00	46.00	3	50.26
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.99	51.50	47.30	3	50
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	46.50	2	48.99
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	47.00	2	49.49
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	44.00	2	47.22
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.72	0.00	46.00	2	50.18
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	45.00	2	48.73
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	45.00	2	48.73
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	47.50	2	50
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	59.00	2	61.11
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	45.50	2	48.73
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	46.50	2	49.74
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	44.50	2	47.47
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	45.00	2	48.99
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	46.00	2	50.25
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	46.50	2	49.49
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	44.00	2	46.97
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.31	0.00	46.50	2	50.23
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	47.75
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.50	1	49.9
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	50.44
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	50.44
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	51.51
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.50	1	49.9
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.50	1	50.97
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	50.44
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.00	1	49.36
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.50	1	48.83

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.50	1	50.97
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.50	1	50.97
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.50	1	49.9
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	51.51
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.50	1	50.97
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	50.44
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	50.44
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	51.51
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	50.44
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.50	1	48.83
AVERAGE		47.76	49.86	50.61	48.77	49.43	50.48	47.22	51.24	51.65	46.42	10	49.34

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	51.00	63.00	90.00	89.00	79.00	86.50	52.00	96.00	92.00	69.00	10	76.75
6B952482	Tradition	69.00	70.00	88.00	89.00	92.00	87.00	57.00	95.00	93.00	68.00	10	80.8
MT910189	Hockett	79.00	73.00	84.00	92.00	81.00	86.00	70.00	95.00	88.00	78.00	10	82.6
MT970116	Craft	71.00	72.00	93.00	94.00	83.00	88.50	60.00	97.00	94.00	81.00	10	83.35
PI568246	Baronesse	75.00	36.00	81.00	88.00	79.00	78.00	28.00	95.00	91.00	73.00	10	72.4
MT010158	Amsterdam	0.00	54.00	83.00	93.00	73.00	84.00	69.00	91.00	94.00	70.00	9	76.16
MT010160	MT920041/Harrington	0.00	70.00	79.00	83.00	68.00	90.00	32.00	88.00	94.00	57.00	9	70.8
MT960101	Geraldine	73.00	37.00	0.00	81.00	68.00	66.00	17.00	91.00	82.00	53.00	9	64.35
SK 76333	Harrington	70.00	78.00	89.00	91.00	78.00	75.50	0.00	92.00	91.00	79.00	9	79.75
2B965057	Conrad	0.00	0.00	92.00	95.00	81.00	90.50	50.00	96.00	88.00	55.00	8	76.05
MT020155	MT960225/H1851195	0.00	0.00	88.00	89.00	81.00	89.00	51.00	89.00	92.00	73.00	8	76.57
MT020162	MT960225/H1851195	0.00	0.00	92.00	91.00	83.00	85.00	41.00	89.00	89.00	69.00	8	75.05
MT030042	MT910189/MT960099	0.00	0.00	0.00	88.00	77.00	79.50	57.00	93.00	86.00	60.00	7	73.62
YU501385	Champion	0.00	0.00	0.00	81.00	56.00	82.00	66.00	93.00	0.00	68.00	6	72.6
TR232	Metcalfe	0.00	0.00	88.00	0.00	81.00	77.00	0.00	97.00	89.00	82.00	6	76.97
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	40.00	95.00	93.00	69.00	4	73.77
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	84.00	96.00	95.00	84.00	4	89.17
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	54.00	93.00	93.00	76.00	4	78.49
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	63.00	94.00	0.00	73.00	3	81.35
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	71.00	76.00	0.00	53.00	3	70.74
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	94.00	84.00	3	81.83
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	91.00	64.00	3	74.96
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	94.00	71.00	3	77.35
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	98.00	83.00	3	82.72
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	95.00	59.00	3	73.46
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	91.00	80.00	3	78.24
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	96.00	84.00	3	81.53
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	95.00	83.00	3	82.13
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	88.00	2	85.81
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	78.00	2	80.56
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	80.00	2	81.99
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	0.00	78.00	2	80.47
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	54.00	2	70.08
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	76.00	2	81.04
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	76.00	2	76.75
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	81.00	2	83.42
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	80.00	2	79.61
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	70.00	2	75.32
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.00	51.00	2	63.88
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	71.00	2	77.7
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	77.00	2	82.47
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	80.00	2	83.42
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	62.00	2	72.46
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	0.00	80.00	2	80.94
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.00	1	84.54
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00	1	90.1
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00	1	90.1
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	1	80.09
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.00	1	92.32
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.00	1	78.97
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.00	1	93.43
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00	1	90.1
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	1	71.19
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.00	1	72.3

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	81.2
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00	1	90.1
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00	1	91.21
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	1	88.99
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	1	83.42
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	1	77.86
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00	1	91.21
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.00	1	93.43
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.00	1	92.32
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	1	80.09
AVERAGE		69.71	61.44	87.25	88.86	77.33	82.97	53.44	93.17	91.54	73.75	10	77.95

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	180.24	168.33	171.44	171.33	164.02	168.20	170.23	172.46	177.87	183.90	10	172.8
6B952482	Tradition	179.86	167.29	169.63	169.82	163.81	167.60	168.96	172.18	177.90	184.00	10	172.1
MT910189	Hockett	180.36	167.32	166.29	170.98	164.09	165.80	168.44	171.57	177.09	184.90	10	171.68
MT970116	Craft	180.06	167.32	170.18	170.33	163.32	168.40	169.85	172.01	178.30	186.60	10	172.64
PI568246	Baronesse	182.03	170.09	173.97	173.83	168.14	171.10	171.41	174.31	179.38	186.60	10	175.09
MT010158	Amsterdam	0.00	168.61	171.84	172.10	166.82	168.80	169.05	173.04	178.67	187.80	9	173.8
MT010160	MT920041/Harrington	0.00	168.89	171.77	170.88	164.60	171.10	170.81	174.13	179.36	188.70	9	174.19
MT960101	Geraldine	182.49	171.96	0.00	174.02	167.51	172.00	172.24	175.80	181.29	190.80	9	176.3
SK 76333	Harrington	180.72	169.25	172.31	172.85	166.67	170.70	0.00	172.93	179.28	188.00	9	174.46
2B965057	Conrad	0.00	0.00	172.29	173.70	167.18	170.00	170.88	174.14	179.47	185.00	8	174.46
MT020155	MT960225/H1851195	0.00	0.00	164.93	167.98	163.05	165.70	167.44	170.99	176.07	182.00	8	170.14
MT020162	MT960225/H1851195	0.00	0.00	172.20	172.32	166.44	171.70	170.84	175.51	179.94	190.80	8	175.34
MT030042	MT910189/MT960099	0.00	0.00	0.00	170.93	164.75	167.30	169.47	171.81	177.65	182.80	7	172.33
YU501385	Champion	0.00	0.00	0.00	170.79	165.32	170.50	170.51	174.35	0.00	186.50	6	174.12
TR232	Metcalfe	0.00	0.00	168.85	0.00	163.91	169.00	0.00	172.39	178.22	186.50	6	172.97
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	172.78	174.67	178.70	191.20	4	175.96
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	168.46	172.24	178.17	184.50	4	172.53
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	171.03	175.53	179.78	190.50	4	175.84
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	171.73	172.43	0.00	186.70	3	174.2
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	168.53	172.07	0.00	187.60	3	173.33
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.10	180.89	189.60	3	175.83
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.56	177.81	186.70	3	174.37
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.55	180.10	190.00	3	176.5
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.51	178.96	188.40	3	174.95
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.54	178.71	188.10	3	174.46
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.06	178.55	188.90	3	174.83
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.57	177.49	186.50	3	173.56
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.99	179.12	189.40	3	175.16
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.86	189.80	2	178
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.93	189.30	2	177.32
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.61	188.20	2	175.21
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.04	0.00	189.80	2	177.4
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	190.40	2	177.24
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.51	189.40	2	176.69
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.28	189.70	2	176.25
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.09	187.00	2	174.39
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.06	189.60	2	176.09
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.20	187.90	2	174.39
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.07	187.20	2	174.95
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.35	185.20	2	173.65
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.20	188.70	2	175.73
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.26	182.70	2	171.94
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.54	189.70	2	177.33
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.25	0.00	187.50	2	174.45
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.90	1	175.62
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.90	1	177.5
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	1	171.96
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.20	1	177.78
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.40	1	176.09
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00	1	177.59
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.40	1	177.97
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.40	1	177.03
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.60	1	178.16
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.30	1	178.82
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.70	1	178.25
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00	1	177.59
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.80	1	177.41
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.40	1	177.97
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.60	1	178.16

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00	1	177.59
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.90	1	175.62
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.00	1	176.65
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.70	1	177.31
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.80	1	175.53
AVERAGE		180.82	168.78	170.48	171.56	165.31	169.19	170.15	173.36	179.04	187.86	10	173.65

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	24.20	29.16	30.46	25.78	26.58	30.70	27.21	18.06	20.61	25.50	10	25.83
6B952482	Tradition	24.19	31.12	32.46	28.53	26.60	33.70	30.03	18.23	25.35	24.40	10	27.46
MT910189	Hockett	21.82	28.75	28.99	25.11	25.28	29.10	25.41	16.93	23.92	24.90	10	25.02
MT970116	Craft	26.17	32.49	31.58	27.96	25.45	32.40	27.95	19.47	26.15	26.10	10	27.57
PI568246	Baronesse	23.27	26.92	27.26	23.21	22.28	26.60	23.95	16.75	22.99	20.80	10	23.4
MT010158	Amsterdam	0.00	28.81	29.89	24.89	24.30	29.00	25.75	17.15	20.10	24.20	9	24.73
MT010160	MT920041/Harrington	0.00	29.68	29.61	25.64	26.23	30.60	25.85	16.76	23.50	23.40	9	25.52
MT960101	Geraldine	19.33	25.56	0.00	25.87	22.92	26.70	22.06	15.33	23.01	21.20	9	22.9
SK 76333	Harrington	21.59	26.99	29.76	25.57	24.52	27.60	0.00	15.13	24.05	24.00	9	24.5
2B965057	Conrad	0.00	0.00	29.28	25.67	24.36	27.60	24.17	16.42	23.23	22.40	8	24.34
MT020155	MT960225/H1851195	0.00	0.00	30.18	28.22	26.79	29.00	26.01	17.60	24.41	24.90	8	26.1
MT020162	MT960225/H1851195	0.00	0.00	31.28	26.32	25.94	29.40	25.36	20.00	25.04	24.30	8	26.17
MT030042	MT910189/MT960099	0.00	0.00	0.00	25.18	25.48	27.50	23.71	15.29	21.33	23.40	7	23.97
YU501385	Champion	0.00	0.00	0.00	26.63	26.26	27.60	25.05	18.66	0.00	23.20	6	24.75
TR232	Metcalfe	0.00	0.00	29.27	0.00	26.81	29.50	0.00	17.28	26.46	24.20	6	26.1
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	23.71	16.29	23.50	21.40	4	23.99
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	24.36	16.09	24.46	23.00	4	24.85
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	24.47	15.06	21.62	20.10	4	22.96
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	26.13	16.08	0.00	22.70	3	23.69
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	25.34	18.62	0.00	23.70	3	24.69
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.33	18.07	20.50	3	21.29
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.16	27.02	25.20	3	27.52
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.41	26.91	23.70	3	26.97
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.12	23.19	22.00	3	24.27
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.47	22.29	23.90	3	24.82
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.36	22.50	23.10	3	24.13
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.85	20.25	21.50	3	22.78
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.80	23.03	24.00	3	26.09
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.41	21.00	2	23.75
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.30	22.30	2	24.42
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.52	25.40	2	28.52
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.03	0.00	24.00	2	23.73
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.38	22.80	2	25.31
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.19	21.80	2	25.2
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.27	22.20	2	26.59
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54	23.90	2	28.81
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.95	24.10	2	27.47
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.79	23.60	2	26.54
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.01	22.10	2	24.71
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.69	22.20	2	24.58
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.32	19.80	2	22.47
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.51	22.10	2	24.99
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.25	22.40	2	24.45
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.92	0.00	24.90	2	25.98
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.80	1	22.08
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.10	1	25.42
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.20	1	22.48
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.90	1	25.22
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.70	1	26.03
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.90	1	25.22
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.70	1	26.03
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20	1	25.52
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	1	26.33
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	1	26.33

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	1	25.32
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.50	1	23.8
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10	1	26.43
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20	1	25.52
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	1	26.33
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.90	1	27.24
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20	1	25.52
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.30	1	26.64
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.10	1	24.41
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.10	1	24.41
AVERAGE		22.94	28.83	30.00	26.04	25.32	29.13	25.36	16.69	23.23	23.69	10	25.12

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	12.80	12.74	12.86	12.06	12.47	12.00	12.80	14.48	10.04	14.30	10	12.66
6B952482	Tradition	13.30	13.76	13.71	12.70	12.24	12.00	12.70	14.09	11.45	15.20	10	13.11
MT910189	Hockett	12.40	13.19	13.18	11.49	12.04	11.10	12.60	13.80	10.88	14.60	10	12.53
MT970116	Craft	13.00	13.42	13.97	12.61	12.37	11.60	14.40	14.00	11.87	14.70	10	13.19
PI568246	Baronesse	13.70	14.47	13.36	11.81	13.05	11.50	13.10	14.66	11.86	15.50	10	13.3
MT010158	Amsterdam	0.00	14.14	14.10	11.86	13.07	12.30	13.20	14.88	12.14	16.70	9	13.62
MT010160	MT920041/Harrington	0.00	13.90	14.52	13.21	13.23	11.80	14.60	13.85	10.41	15.70	9	13.49
MT960101	Geraldine	13.30	13.37	0.00	11.92	13.04	12.10	13.10	15.15	12.71	16.50	9	13.49
SK 76333	Harrington	14.10	13.00	13.16	11.70	12.11	12.10	0.00	14.53	10.81	15.70	9	13.04
2B965057	Conrad	0.00	0.00	13.32	12.33	13.47	12.90	13.80	14.73	11.49	15.60	8	13.49
MT020155	MT960225/H1851195	0.00	0.00	13.24	12.86	12.48	11.90	13.10	13.43	10.55	14.50	8	12.79
MT020162	MT960225/H1851195	0.00	0.00	13.47	12.94	12.59	12.20	13.70	14.37	11.60	15.90	8	13.38
MT030042	MT910189/MT960099	0.00	0.00	0.00	11.67	11.80	10.10	11.70	12.96	10.68	14.00	7	11.9
YU501385	Champion	0.00	0.00	0.00	11.81	12.27	10.90	12.70	12.85	0.00	13.60	6	12.01
TR232	Metcalfe	0.00	0.00	12.93	0.00	13.02	12.00	0.00	14.28	10.52	16.20	6	13.12
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	13.60	14.14	11.12	16.10	4	13.47
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	12.50	14.50	11.05	15.30	4	13.08
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	13.50	14.77	11.58	16.10	4	13.72
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	13.20	14.76	0.00	14.70	3	12.98
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	12.10	13.44	0.00	15.30	3	12.43
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.73	13.06	14.90	3	13.92
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.71	10.99	15.00	3	13.27
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.57	11.34	15.80	3	13.27
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.94	11.56	15.30	3	13.3
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.62	11.81	14.70	3	13.08
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.74	10.75	14.80	3	12.81
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.88	11.76	15.20	3	13.31
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.76	10.17	13.80	3	11.97
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.67	15.20	2	13.97
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	15.20	2	13.5
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.82	15.60	2	13.74
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.76	0.00	16.30	2	13.66
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.58	15.80	2	14.24
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.55	15.30	2	14.48
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	16.20	2	14.52
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.07	17.90	2	16.62
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.13	15.10	2	14.16
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.98	15.00	2	13.51
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.19	15.50	2	14.4
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.54	14.70	2	13.64
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.05	15.00	2	13.54
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.06	13.10	2	12.04
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.57	15.00	2	12.77
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.11	0.00	13.80	2	11.83
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.50	1	12.83
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.70	1	13.89
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.77
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.20	1	11.68
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	11.86
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.80	1	12.21
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50	1	11.95
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.04
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00	1	12.39
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.80	1	12.21

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.04
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.04
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	11.86
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50	1	11.95
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.77
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00	1	12.39
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.04
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.30	1	12.66
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.77
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.77
AVERAGE		13.23	13.55	13.49	12.21	12.62	11.77	13.13	14.08	11.36	14.77	10	13.02

Sidney

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	10	108.09	10	50.99	10	84.67	10	178.47	10	29.99	10	12.72
6B952482	Tradition	10	107.06	10	48.03	10	86.13	10	177.57	10	31.52	10	12.82
MT910189	Hockett	10	99.97	10	49.11	10	84.16	10	177.93	10	28.73	10	12.47
MT970116	Craft	10	105.56	10	50.1	10	86.62	10	178.82	10	32.45	10	12.38
PI568246	Baronesse	10	108.64	10	49.52	10	82.78	10	180.64	10	28.81	10	12.76
MT010158	Amsterdam	9	92.57	9	48.59	9	83.52	9	179.27	9	28.33	9	12.74
MT010160	MT920041/Harrington	9	97.87	9	48.53	9	80.43	9	180.64	9	30.62	9	12.9
MT960101	Geraldine	9	104.62	9	49.15	9	76.52	9	181.84	9	28.2	9	12.46
SK 76333	Harrington	9	98.05	9	47.4	9	83.47	9	180.82	9	30.28	9	12.81
2B965057	Conrad	8	105.71	8	49.22	8	88.58	8	180.42	8	28.72	8	13.57
MT020155	MT960225/H1851195	8	109.64	8	48.37	8	77.62	8	176.06	8	30.28	8	12.73
MT020162	MT960225/H1851195	8	101.52	8	49.2	8	82.88	8	181.01	8	31.88	8	12.96
MT030042	MT910189/MT960099	7	105.96	7	49.69	7	79.08	7	178.82	7	28.77	7	11.97
YU501385	Champion	6	119.66	6	50.66	6	86.01	6	179.38	6	31.41	6	12.17
TR232	Metcalfe	6	95.46	6	48.68	6	82.92	6	179.72	6	31.1	6	12.99
MT061035	Baronesse/MT981210	4	109.06	4	49.04	4	82.47	4	179.86	4	29.02	4	12.25
MT061104	Harrington/MT970229	4	102.87	4	49.07	4	81.41	4	178.57	4	30.94	4	12.65
MT061169	MT960101/Coors 37	4	111.59	4	48.9	4	81.89	4	180.02	4	29.71	4	13.53
MT061134	Kendal/Conlon	3	104.66	3	48.25	3	83.99	3	178.76	3	30.61	3	12.38
MT061201	MT970110/LK232	3	111.17	3	49.67	3	80.79	3	177.53	3	32.32	3	13.17
MT070086	MT970148/Coors37	3	99.99	3	48.82	3	86.49	3	179.35	3	26.49	3	12.42
MT070111	MT010178/Harrington	3	100.96	3	49.87	3	83.51	3	179.42	3	31.81	3	12.82
MT070125	MT981210/MT970116	3	99.05	3	50.44	3	80.19	3	180.8	3	30.8	3	13.1
MT070148	MT990172/Metcalfe	3	102.13	3	48.99	3	89.47	3	178.89	3	28.89	3	13.11
MT070158	MT970148/Klages	3	104.01	3	48.49	3	84.67	3	178.58	3	29.04	3	12.79
MT070159	MT970148/Klages	3	107.39	3	49.04	3	83.84	3	178.65	3	28.91	3	12.32
MT070161	MT970148/Klages	3	104.7	3	48.92	3	84.5	3	178.42	3	28.55	3	12.83
MT070175	LK644///Hockett F5	3	98.8	3	48.99	3	79.86	3	179.59	3	31.28	3	11.43
EM090117	03013-25	2	99.33	2	48.95	2	92.08	2	182.16	2	29.19	2	13.74
EM090128	03021-03	2	110.56	2	48.19	2	85.18	2	180.24	2	29	2	12.82
COPELAND	Copeland	2	99.75	2	47.68	2	80.83	2	179.92	2	33.68	2	12.29
MT070136	MT010178/MT970148	2	103.66	2	49.21	2	83.9	2	181.65	2	32	2	12.57
MT080081	Coors/Metcalfe	2	97.28	2	48.19	2	84.92	2	179.43	2	28.06	2	13.6
MT080083	Coors/Metcalfe	2	103.56	2	47.68	2	80.06	2	179.75	2	30.38	2	13.36
MT080085	Coors/Metcalfe	2	105.7	2	49.97	2	89.02	2	180.86	2	29.85	2	13.63
MT080100	Karma	2	31.73	2	58.9	2	73.41	2	179.88	2	32.22	2	16.7
MT080243	MT960101/MT981210	2	100.98	2	48.95	2	79.04	2	180.08	2	32.09	2	12.83
MT080261	MT970026/MT981091	2	94.39	2	45.89	2	61.65	2	178.82	2	29.37	2	12.88
MT080279	MT970148/MT970116	2	103.62	2	47.68	2	76.23	2	178.79	2	29.75	2	12.57
MT080281	MT970148/MT970116	2	97.53	2	47.68	2	81.6	2	178.8	2	28.23	2	12.44
MT080285	MT970148/MT970116	2	99.51	2	47.93	2	77.76	2	179.75	2	28.07	2	13.17
PI643354	Pinnacle	2	93.65	2	48.95	2	85.69	2	176.89	2	29.35	2	11.12
SCARLETT	Scarlett	2	93.68	2	48.44	2	81.6	2	180.86	2	30.14	2	13.38
MT070174	LK644///Hockett F5	2	93.01	2	49.65	2	84.67	2	178.07	2	29.69	2	11.23
EM090105	05032-068	1	102.56	1	47.81	1	71.21	1	179.11	1	31.2	1	13.08
EM090081	05037-079	1	80.24	1	47.27	1	77.94	1	180.68	1	30.93	1	13.43
MT090169	MT910189*/LK644/EslickBC3F43G3	1	83.74	1	48.34	1	71.21	1	179.11	1	29.18	1	10.94
MT090176	MT910189*/LK644/EslickBC3F33-G	1	92.97	1	47.81	1	57.19	1	180.96	1	33.9	1	11.83
MT090178	MT910189*/LK644/EslickBC3F33-G	1	99.79	1	50.46	1	84.67	1	180.04	1	34.17	1	11.48
MT090180	MT910189*/LK644/EslickBC3F33-G	1	108.28	1	47.27	1	71.21	1	180.31	1	34.71	1	12.01
MT090181	MT910189*/LK644/EslickBC3F33-G	1	87.06	1	49.4	1	82.42	1	179.76	1	33.23	1	11.92
MT090182	MT910189*/LK644/EslickBC3F33-G	1	86.14	1	46.74	1	62.8	1	180.96	1	35.12	1	11.48
MT090183	MT910189*/LK644/EslickBC3F33-G	1	93.89	1	45.15	1	54.95	1	179.11	1	33.36	1	11.66
MT090184	MT910189*/LK644/EslickBC3F33-G	1	77.66	1	48.87	1	76.26	1	181.88	1	32.15	1	11.83
MT090186	MT910189*/LK644/EslickBC3F33-G	1	91.12	1	47.81	1	78.5	1	181.61	1	34.58	1	11.83
MT090188	MT910189*/LK644/EslickBC3F33-G	1	91.31	1	48.87	1	73.45	1	180.68	1	34.71	1	11.92

Sidney

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090190	MT910189*/LK644/EslickBC3F33-G	1	92.41	1	49.93	1	89.15	1	180.68	1	34.44	1	11.83
MT090191	MT910189*/LK644/EslickBC3F33-G	1	90.38	1	48.34	1	59.44	1	179.39	1	32.42	1	12.19
MT090192	MT910189*/LK644/EslickBC3F33-G	1	88.72	1	47.27	1	73.45	1	181.61	1	35.25	1	12.28
MT090193	MT910189*/LK644/EslickBC3F33-G	1	102.37	1	47.81	1	70.09	1	180.68	1	34.58	1	11.92
MT090194	MT910189*/LK644/EslickBC3F33-G	1	88.91	1	49.4	1	80.18	1	180.68	1	35.12	1	11.92
MT090202	MT910189*/LK644/EslickBC3F37-I	1	82.82	1	47.81	1	71.21	1	178.84	1	30.8	1	11.83
MT090227	MT910189*/LK644/EslickBC3F37-L	1	82.08	1	47.27	1	68.97	1	179.76	1	30.93	1	11.3
MT090229	MT910189*/LK644/EslickBC3F37-L	1	88.17	1	47.81	1	68.97	1	178.84	1	31.07	1	11.39
AVERAGE		10	103.62	10	49.18	10	83.56	10	179.44	10	29.76	10	12.69

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp ave
MT950186	Haxby	87.35	128.34	150.53	115.89	100.14	52.60	125.27	146.76	115.45	58.60	10	108.09
6B952482	Tradition	88.25	130.84	126.10	108.69	113.57	56.80	140.22	144.52	101.25	60.40	10	107.06
MT910189	Hockett	74.32	121.58	128.43	103.03	89.00	49.60	136.03	145.87	103.56	48.30	10	99.97
MT970116	Craft	81.04	137.14	132.23	102.15	96.97	64.90	135.36	139.59	109.62	56.60	10	105.56
PI568246	Baronesse	77.80	137.33	135.40	95.16	108.06	68.90	146.93	142.33	114.46	60.00	10	108.64
MT010158	Amsterdam	0.00	119.58	122.67	100.97	95.48	49.30	130.20	122.08	83.40	27.20	9	92.57
MT010160	MT920041/Harrington	0.00	124.49	120.40	95.87	103.52	60.60	133.97	131.36	90.82	38.60	9	97.87
MT960101	Geraldine	75.82	131.26	0.00	97.68	96.08	62.30	134.48	145.48	107.12	50.30	9	104.62
SK 76333	Harrington	71.01	118.79	126.23	92.31	97.20	64.10	0.00	141.67	106.05	49.50	9	98.05
2B965057	Conrad	0.00	0.00	131.93	105.68	113.67	61.90	145.78	130.27	106.56	50.40	8	105.71
MT020155	MT960225/H1851195	0.00	0.00	144.77	113.22	117.60	50.20	135.59	147.79	113.45	55.00	8	109.64
MT020162	MT960225/H1851195	0.00	0.00	123.93	109.41	103.74	60.30	139.47	132.43	101.81	41.50	8	101.52
MT030042	MT910189/MT960099	0.00	0.00	0.00	103.36	93.57	48.50	156.16	145.10	101.84	52.10	7	105.96
YU501385	Champion	0.00	0.00	0.00	103.29	111.79	63.80	150.66	160.95	0.00	72.90	6	119.66
TR232	Metcalfe	0.00	0.00	123.87	0.00	84.78	51.10	0.00	132.48	108.89	50.00	6	95.46
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	135.66	148.21	110.32	55.90	4	109.06
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	134.75	134.72	107.24	47.80	4	102.87
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	140.08	150.56	110.89	59.00	4	111.59
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	135.62	135.01	0.00	49.50	3	104.66
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	143.40	142.15	0.00	54.50	3	111.17
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152.15	92.30	52.30	3	99.99
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.84	99.01	52.80	3	100.96
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.55	111.61	44.80	3	99.05
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.21	108.80	51.10	3	102.13
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.30	101.59	53.80	3	104.01
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.31	111.12	57.30	3	107.39
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.25	105.09	57.40	3	104.7
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.73	100.31	47.20	3	98.8
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.34	65.60	2	99.33
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.93	65.10	2	110.56
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.31	49.30	2	99.75
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.24	0.00	49.70	2	103.66
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.34	56.30	2	97.28
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.85	57.90	2	103.56
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.10	56.10	2	105.7
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.49	6.60	2	31.73
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.49	54.10	2	100.98
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.78	50.20	2	94.39
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.55	59.30	2	103.62
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.14	52.90	2	97.53
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.83	46.40	2	99.51
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.39	48.40	2	93.65
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.65	50.20	2	93.68
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.91	0.00	46.80	2	93.01
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.60	1	102.56
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.50	1	80.24
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.40	1	83.74
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.40	1	92.97
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	99.79
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.70	1	108.28
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.20	1	87.06
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.70	1	86.14
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.90	1	93.89
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.10	1	77.66
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.40	1	91.12
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	91.31
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10	1	92.41
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	1	90.38
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.10	1	88.72

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp ave
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.50	1	102.37
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.20	1	88.91
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.90	1	82.82
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	82.08
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.80	1	88.17
AVERAGE		79.37	127.71	130.54	103.34	101.68	57.66	138.87	142.49	103.79	50.80	10	103.62

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	48.96	52.83	52.93	50.30	48.39	50.40	53.80	52.32	52.00	48.00	10	50.99
6B952482	Tradition	46.29	50.00	48.60	47.08	47.24	47.20	50.21	50.69	46.50	46.50	10	48.03
MT910189	Hockett	45.68	51.33	51.87	48.91	45.35	48.60	52.25	51.15	50.00	46.00	10	49.11
MT970116	Craft	47.48	53.00	50.71	49.43	47.42	50.20	53.64	52.15	51.00	46.00	10	50.1
PI568246	Baronesse	48.14	52.00	49.64	48.17	47.74	50.10	53.26	51.16	51.00	44.00	10	49.52
MT010158	Amsterdam	0.00	50.83	50.60	47.64	46.39	48.80	51.62	50.86	47.50	45.00	9	48.59
MT010160	MT920041/Harrington	0.00	51.00	50.45	45.68	46.30	49.10	51.55	51.15	49.50	44.00	9	48.53
MT960101	Geraldine	46.34	51.33	0.00	46.72	46.86	49.90	52.28	52.01	49.00	46.00	9	49.15
SK 76333	Harrington	44.96	49.67	49.22	45.62	43.86	47.70	0.00	51.00	50.00	42.00	9	47.4
2B965057	Conrad	0.00	0.00	50.01	48.00	48.36	48.10	53.63	50.83	50.00	45.00	8	49.22
MT020155	MT960225/H1851195	0.00	0.00	49.62	48.21	47.17	47.40	51.91	49.33	48.50	45.00	8	48.37
MT020162	MT960225/H1851195	0.00	0.00	51.48	49.12	47.93	50.00	52.78	50.98	49.50	42.00	8	49.2
MT030042	MT910189/MT960099	0.00	0.00	0.00	50.00	47.53	49.90	52.50	51.67	50.50	44.00	7	49.69
YU501385	Champion	0.00	0.00	0.00	49.75	49.15	49.90	53.80	51.65	0.00	47.00	6	50.66
TR232	Metcalfe	0.00	0.00	50.02	0.00	45.82	47.90	0.00	51.49	50.00	45.00	6	48.68
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	53.06	50.17	50.00	45.00	4	49.04
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	52.48	50.86	49.00	46.00	4	49.07
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	51.85	50.82	49.00	46.00	4	48.9
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	51.99	49.83	0.00	44.00	3	48.25
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	52.60	51.52	0.00	46.00	3	49.67
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.84	48.50	45.50	3	48.82
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.98	50.00	47.00	3	49.87
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.68	51.00	47.00	3	50.44
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.84	49.50	45.00	3	48.99
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.83	50.00	44.00	3	48.49
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	50.50	45.50	3	49.04
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.64	49.50	46.00	3	48.92
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.34	50.00	45.00	3	48.99
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	48.00	2	48.95
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	45.50	2	48.19
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	44.00	2	47.68
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.81	0.00	45.00	2	49.21
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	45.50	2	48.19
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	45.50	2	47.68
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	47.00	2	49.97
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.50	58.00	2	58.9
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	45.50	2	48.95
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	42.00	2	45.89
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	44.00	2	47.68
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	45.50	2	47.68
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	44.00	2	47.93
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	46.50	2	48.95
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	45.00	2	48.44
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.67	0.00	46.00	2	49.65
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	47.81
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	47.27
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.50	1	48.34
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	47.81
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.50	1	50.46
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	47.27
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.50	1	49.4
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.00	1	46.74
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.50	1	45.15
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.00	1	48.87

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	47.81
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.00	1	48.87
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	1	49.93
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.50	1	48.34
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	47.27
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	47.81
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.50	1	49.4
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	47.81
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.50	1	47.27
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	47.81
AVERAGE		46.84	51.33	50.43	48.19	47.03	49.01	52.51	51.23	49.73	45.46	10	49.18

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	83.00	92.00	96.00	86.00	68.33	72.00	93.84	90.00	90.00	75.50	10	84.67
6B952482	Tradition	89.00	94.00	97.00	93.00	71.33	75.00	89.45	95.00	82.00	75.50	10	86.13
MT910189	Hockett	65.00	92.00	97.00	95.00	74.00	77.00	93.06	92.00	88.00	68.50	10	84.16
MT970116	Craft	72.00	94.00	96.00	94.00	76.67	82.00	95.05	91.00	91.00	74.50	10	86.62
PI568246	Baronesse	83.00	85.00	91.00	79.00	74.00	84.00	95.25	84.00	92.00	60.50	10	82.78
MT010158	Amsterdam	0.00	91.00	95.00	90.00	69.67	84.00	91.67	92.00	85.00	55.00	9	83.52
MT010160	MT920041/Harrington	0.00	88.00	82.00	76.00	73.33	86.00	88.15	91.00	84.00	57.00	9	80.43
MT960101	Geraldine	71.00	85.00	0.00	67.00	71.67	69.00	87.80	86.00	83.00	58.00	9	76.52
SK 76333	Harrington	86.00	91.00	95.00	82.00	76.67	79.00	0.00	92.00	91.00	49.50	9	83.47
2B965057	Conrad	0.00	0.00	97.00	95.00	73.00	89.00	95.20	91.00	90.00	72.50	8	88.58
MT020155	MT960225/H1851195	0.00	0.00	73.00	80.00	76.67	76.00	92.56	84.00	82.00	51.50	8	77.62
MT020162	MT960225/H1851195	0.00	0.00	95.00	90.00	76.67	81.00	92.30	90.00	88.00	44.50	8	82.88
MT030042	MT910189/MT960099	0.00	0.00	0.00	83.00	71.67	72.00	89.53	91.00	90.00	40.50	7	79.08
YU501385	Champion	0.00	0.00	0.00	84.00	77.33	70.00	94.52	89.00	0.00	78.50	6	86.01
TR232	Metcalfe	0.00	0.00	93.00	0.00	71.67	76.00	0.00	88.00	91.00	62.00	6	82.92
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	95.29	89.00	88.00	68.00	4	82.47
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	94.92	87.00	88.00	66.00	4	81.41
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	90.88	88.00	89.00	70.00	4	81.89
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	95.78	90.00	0.00	71.50	3	83.99
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	93.95	92.00	0.00	61.50	3	80.79
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	87.00	81.00	3	86.49
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	89.00	71.00	3	83.51
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	90.00	62.00	3	80.19
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	95.00	84.00	3	89.47
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	93.00	69.50	3	84.67
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	91.00	72.00	3	83.84
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	90.00	73.00	3	84.5
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	91.00	63.00	3	79.86
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	89.00	2	92.08
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.00	80.50	2	85.18
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	65.00	2	80.83
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	0.00	71.00	2	83.9
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	78.00	2	84.92
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	71.50	2	80.06
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	81.00	2	89.02
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	55.50	2	73.41
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	63.50	2	79.04
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.00	43.50	2	61.65
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	59.00	2	76.23
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.00	70.50	2	81.6
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	60.00	2	77.76
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	73.50	2	85.69
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	66.50	2	81.6
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	0.00	78.50	2	84.67
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.50	1	71.21
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.50	1	77.94
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.50	1	71.21
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	57.19
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.50	1	84.67
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.50	1	71.21
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.50	1	82.42
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.00	1	62.8
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	1	54.95
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.00	1	76.26

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	1	78.5
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.50	1	73.45
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.50	1	89.15
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	59.44
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.50	1	73.45
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.50	1	70.09
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.50	1	80.18
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.50	1	71.21
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.50	1	68.97
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.50	1	68.97
AVERAGE		78.43	90.22	92.25	85.29	73.51	78.13	92.73	90.00	88.92	66.09	10	83.56

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp ave
MT950186	Haxby	186.23	174.20	175.95	172.58	172.34	175.30	177.97	176.12	180.68	193.30	10	178.47
6B952482	Tradition	184.76	171.67	175.59	171.51	171.28	175.70	176.38	175.37	180.70	192.70	10	177.57
MT910189	Hockett	186.77	171.29	174.20	173.16	172.95	177.00	175.27	173.95	182.03	192.70	10	177.93
MT970116	Craft	185.99	174.13	176.76	172.83	173.68	176.00	176.18	177.36	181.99	193.30	10	178.82
PI568246	Baronesse	187.24	176.08	180.86	174.23	175.37	178.40	179.70	177.93	182.34	194.30	10	180.64
MT010158	Amsterdam	0.00	174.39	177.02	174.13	174.98	177.40	175.14	175.52	182.33	194.70	9	179.27
MT010160	MT920041/Harrington	0.00	175.41	180.01	174.49	176.01	177.70	178.57	177.41	182.31	196.00	9	180.64
MT960101	Geraldine	189.53	178.99	0.00	175.65	176.02	180.10	179.75	178.81	183.31	197.00	9	181.84
SK 76333	Harrington	188.33	176.91	179.68	175.38	175.35	178.30	0.00	177.22	181.99	194.70	9	180.82
2B965057	Conrad	0.00	0.00	177.79	174.91	174.70	178.90	177.22	177.34	182.68	196.30	8	180.42
MT020155	MT960225/H1851195	0.00	0.00	172.43	169.97	170.69	174.70	174.35	172.59	180.34	190.00	8	176.06
MT020162	MT960225/H1851195	0.00	0.00	179.23	174.32	175.05	179.00	178.92	177.98	183.01	197.00	8	181.01
MT030042	MT910189/MT960099	0.00	0.00	0.00	173.46	173.71	178.70	175.46	174.76	181.36	193.30	7	178.82
YU501385	Champion	0.00	0.00	0.00	172.15	173.70	176.70	179.03	177.50	0.00	194.00	6	179.38
TR232	Metcalfe	0.00	0.00	178.86	0.00	173.95	177.60	0.00	176.51	182.32	192.00	6	179.72
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	178.40	177.69	182.98	194.70	4	179.86
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	176.01	175.81	181.99	194.70	4	178.57
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	179.09	177.96	182.65	194.70	4	180.02
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	176.39	176.20	0.00	195.70	3	178.76
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	176.13	175.08	0.00	193.30	3	177.53
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.50	181.31	195.00	3	179.35
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.41	182.33	193.30	3	179.42
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.28	183.02	197.00	3	180.8
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.07	181.32	194.00	3	178.89
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.11	181.35	194.00	3	178.58
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.68	181.67	194.30	3	178.65
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.92	181.03	194.00	3	178.42
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.29	181.96	194.30	3	179.59
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.01	197.70	2	182.16
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	194.70	2	180.24
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.03	194.00	2	179.92
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.31	0.00	196.70	2	181.65
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.00	194.00	2	179.43
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.36	194.30	2	179.75
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.99	196.00	2	180.86
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.64	194.30	2	179.88
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.67	194.70	2	180.08
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.02	193.70	2	178.82
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.66	193.00	2	178.79
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	194.00	2	178.8
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.67	195.00	2	179.75
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	190.00	2	176.89
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.99	196.00	2	180.86
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.30	0.00	193.30	2	178.07
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.00	1	179.11
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.70	1	180.68
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.00	1	179.11
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.00	1	180.96
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.00	1	180.04
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.30	1	180.31
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.70	1	179.76
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.00	1	180.96
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.00	1	179.11
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.00	1	181.88
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.70	1	181.61
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.70	1	180.68
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.70	1	180.68
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.30	1	179.39
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.70	1	181.61

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp ave
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.70	1	180.68
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.70	1	180.68
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.70	1	178.84
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.70	1	179.76
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.70	1	178.84
AVERAGE		186.98	174.79	177.37	173.48	173.99	177.43	177.22	176.43	182.06	194.63	10	179.44

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	25.86	39.76	34.98	33.54	30.64	26.40	31.53	26.59	28.37	22.20	10	29.99
6B952482	Tradition	26.22	37.27	37.45	34.38	33.11	29.50	35.84	28.47	29.29	23.70	10	31.52
MT910189	Hockett	22.40	34.91	31.20	31.34	28.49	25.70	34.73	26.20	30.25	22.10	10	28.73
MT970116	Craft	26.12	40.68	35.04	35.61	32.57	32.80	36.01	28.48	31.27	25.90	10	32.45
PI568246	Baronesse	23.62	35.70	31.52	30.11	29.91	27.70	32.70	25.08	28.22	23.50	10	28.81
MT010158	Amsterdam	0.00	36.09	33.81	29.31	27.02	27.30	32.28	24.55	26.11	22.40	9	28.33
MT010160	MT920041/Harrington	0.00	37.27	33.54	32.52	32.57	29.90	35.35	25.41	29.92	23.30	9	30.62
MT960101	Geraldine	22.94	35.04	0.00	30.21	28.05	27.40	30.70	26.47	27.42	20.90	9	28.2
SK 76333	Harrington	24.95	37.66	32.36	32.02	31.09	30.30	0.00	27.29	30.92	24.40	9	30.28
2B965057	Conrad	0.00	0.00	31.87	29.42	30.43	27.60	32.57	24.05	26.92	21.50	8	28.72
MT020155	MT960225/H1851195	0.00	0.00	31.64	32.46	30.26	28.20	35.58	25.76	28.82	23.80	8	30.28
MT020162	MT960225/H1851195	0.00	0.00	34.36	36.17	32.56	31.80	34.06	25.99	30.50	23.60	8	31.88
MT030042	MT910189/MT960099	0.00	0.00	0.00	29.49	27.44	27.20	32.85	25.20	27.11	21.90	7	28.77
YU501385	Champion	0.00	0.00	0.00	32.78	31.20	30.00	33.28	27.46	0.00	24.30	6	31.41
TR232	Metcalfe	0.00	0.00	33.61	0.00	30.42	28.20	0.00	27.21	30.91	25.10	6	31.1
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	30.93	24.51	28.66	21.10	4	29.02
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	34.43	25.25	28.97	23.50	4	30.94
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	34.04	24.41	26.72	22.50	4	29.71
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	33.77	25.83	0.00	22.40	3	30.61
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	36.45	27.12	0.00	23.00	3	32.32
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.03	28.14	20.00	3	26.49
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.11	30.24	24.50	3	31.81
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.16	29.08	24.00	3	30.8
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.85	28.78	22.70	3	28.89
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.59	28.53	22.60	3	29.04
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.63	28.27	21.50	3	28.91
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.24	26.62	22.60	3	28.55
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.79	29.49	24.20	3	31.28
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.63	21.60	2	29.19
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.21	22.70	2	29
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.30	26.50	2	33.68
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.16	0.00	23.90	2	32
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.52	21.80	2	28.06
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.53	22.70	2	30.38
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.24	22.10	2	29.85
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.14	23.20	2	32.22
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.51	24.60	2	32.09
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.33	22.20	2	29.37
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.47	22.70	2	29.75
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.71	20.90	2	28.23
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.44	20.90	2	28.07
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.30	21.20	2	29.35
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.93	21.90	2	30.14
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.20	0.00	22.10	2	29.69
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.10	1	31.2
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.90	1	30.93
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.60	1	29.18
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.10	1	33.9
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.30	1	34.17
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.70	1	34.71
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.60	1	33.23
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	1	35.12
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.70	1	33.36
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.80	1	32.15

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.60	1	34.58
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.70	1	34.71
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	1	34.44
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	1	32.42
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10	1	35.25
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.60	1	34.58
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	1	35.12
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.80	1	30.8
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.90	1	30.93
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	1	31.07
AVERAGE		24.59	37.15	33.45	32.10	30.38	28.67	33.73	25.70	28.51	23.35	10	29.76

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	14.40	11.82	11.43	12.99	12.25	12.40	11.29	13.69	12.66	14.30	10	12.72
6B952482	Tradition	14.40	11.51	12.57	12.92	12.45	12.40	12.27	13.18	12.56	13.90	10	12.82
MT910189	Hockett	13.40	11.46	11.40	12.38	13.23	12.10	11.82	12.97	11.99	13.90	10	12.47
MT970116	Craft	14.00	11.59	11.63	12.55	12.73	11.50	10.59	13.03	12.36	13.80	10	12.38
PI568246	Baronesse	14.10	10.65	12.77	13.38	12.52	11.50	11.34	13.65	12.78	14.90	10	12.76
MT010158	Amsterdam	0.00	10.75	12.13	12.90	12.60	12.70	11.05	12.92	12.99	14.90	9	12.74
MT010160	MT920041/Harrington	0.00	11.41	12.43	13.17	12.21	12.50	12.66	13.36	12.85	13.80	9	12.9
MT960101	Geraldine	14.30	10.57	0.00	13.47	12.19	11.70	10.35	13.00	12.85	15.00	9	12.46
SK 76333	Harrington	13.90	11.38	12.10	14.44	12.94	12.00	0.00	12.94	12.34	14.70	9	12.81
2B965057	Conrad	0.00	0.00	12.53	13.55	13.57	12.60	12.61	14.33	13.57	15.00	8	13.57
MT020155	MT960225/H1851195	0.00	0.00	12.67	13.03	12.15	11.90	12.75	12.96	12.03	13.60	8	12.73
MT020162	MT960225/H1851195	0.00	0.00	11.87	14.04	12.09	12.60	11.93	12.92	12.61	14.80	8	12.96
MT030042	MT910189/MT960099	0.00	0.00	0.00	11.96	12.42	11.60	10.36	12.44	11.78	13.70	7	11.97
YU501385	Champion	0.00	0.00	0.00	11.92	12.38	11.50	11.91	12.88	0.00	13.00	6	12.17
TR232	Metcalfe	0.00	0.00	11.57	0.00	13.22	12.40	0.00	13.24	13.24	14.70	6	12.99
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	9.52	13.30	12.88	14.30	4	12.25
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	10.98	13.32	13.36	14.00	4	12.65
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	13.48	13.97	13.27	14.50	4	13.53
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	11.17	13.56	0.00	13.50	3	12.38
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	12.57	13.89	0.00	14.20	3	13.17
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.26	13.11	14.30	3	12.42
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.26	13.00	14.70	3	12.82
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.57	12.60	15.70	3	13.1
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	13.50	15.00	3	13.11
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.43	12.74	14.70	3	12.79
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.88	12.68	13.80	3	12.32
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.37	12.71	14.90	3	12.83
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.17	11.36	13.00	3	11.43
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.71	15.40	2	13.74
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.16	14.00	2	12.82
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.75	14.30	2	12.29
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.96	0.00	14.70	2	12.57
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.81	15.00	2	13.6
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.62	14.70	2	13.36
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.48	15.40	2	13.63
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.38	19.00	2	16.7
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.08	14.10	2	12.83
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	14.50	2	12.88
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.43	14.20	2	12.57
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.27	14.10	2	12.44
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01	14.90	2	13.17
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.37	12.20	2	11.12
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.15	15.20	2	13.38
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.91	0.00	12.80	2	11.23
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.70	1	13.08
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.10	1	13.43
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	10.94
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.83
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90	1	11.48
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50	1	12.01
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	11.92
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90	1	11.48
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	11.66
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.83

Sidney

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.83
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	11.92
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.83
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.70	1	12.19
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.80	1	12.28
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	11.92
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	11.92
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	11.83
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.70	1	11.3
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	1	11.39
AVERAGE		14.07	11.24	12.09	13.05	12.60	12.09	11.59	13.16	12.87	14.10	10	12.69

Moccasin

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	56.59	9	52.5	8	45.27	9	179.77	8	27.66	9	13.2
6B952482	Tradition	9	49.46	9	49.57	8	48.97	9	179.43	8	28.78	9	13.62
MT910189	Hockett	9	50.93	9	50.8	8	57.72	9	179.96	8	27.75	9	13.69
MT970116	Craft	9	54.7	9	52.15	8	66.84	9	179.01	8	29.73	9	13.81
PI568246	Baronesse	9	54.02	9	49.06	8	49.71	9	184.13	8	25.66	9	14.34
MT010158	Amsterdam	8	51.77	8	49.75	7	58.1	8	181.51	7	26.94	8	15.07
MT010160	MT920041/Harrington	8	53.55	8	49.53	7	56.15	8	181.79	7	28.17	8	14.52
MT960101	Geraldine	8	51.31	8	50.06	7	36.37	8	186.53	8	25.38	8	14.36
SK 76333	Harrington	8	48.86	8	48.48	7	53.89	8	182.91	7	26.22	8	14.48
2B965057	Conrad	7	52.26	7	49.83	7	57.22	7	182.81	6	25.36	7	15.03
MT020155	MT960225/H1851195	7	56.04	7	50.12	7	50.66	7	176.4	6	28.31	7	13.98
MT020162	MT960225/H1851195	7	55.19	7	51.15	7	50.2	7	182.82	6	27.56	7	14.84
MT030042	MT910189/MT960099	6	55.61	6	51.6	6	48.55	6	180.64	6	24.9	6	13.89
YU501385	Champion	5	58.24	5	51.01	5	40.73	5	180.44	5	27.1	5	13.78
TR232	Metcalfe	5	51.55	5	49.45	5	53.02	5	180.74	4	28.07	5	14.98
MT061035	Baronesse/MT981210	3	55.75	3	49.54	3	52.52	3	184.06	3	26.3	3	14.22
MT061104	Harrington/MT970229	3	55.81	3	49.95	3	69.72	3	180.48	3	27.53	3	13.32
MT061169	MT960101/Coors 37	3	54.66	3	50.28	3	56.95	3	184.26	3	25.11	3	14.06
EM090117	03013-25	2	51.78	2	49.69	2	62.49	2	187.67	2	24.12	2	12.43
EM090128	03021-03	2	56.34	2	51.27	2	50.56	2	184.18	2	25.87	2	13.4
COPELAND	Copeland	2	51.95	2	49.55	2	49.87	2	183.36	2	28.6	2	13.84
MT061134	Kendal/Conlon	2	52.12	2	48.77	2	74.22	2	181.65	2	29.48	2	14.45
MT061201	MT970110/LK232	2	57.52	2	50.16	2	105.24	2	180.74	2	29.23	2	12.88
MT070086	MT970148/Coors37	2	53.07	2	50.14	2	57.4	2	186.1	2	21.95	2	13.84
MT070111	MT010178/Harrington	2	56.11	2	51	2	39.49	2	181.98	2	27.53	2	12.75
MT070125	MT981210/MT970116	2	58.4	2	50.81	2	48.43	2	183.81	2	30.09	2	14.16
MT070148	MT990172/Metcalfe	2	60.18	2	49.66	2	55.96	2	181.5	2	26.59	2	12.5
MT070158	MT970148/Klages	2	56.89	2	51.76	2	58.12	2	182.97	2	26.12	2	13.2
MT070159	MT970148/Klages	2	56.32	2	51.02	2	58.85	2	182.37	2	25.32	2	12.24
MT070161	MT970148/Klages	2	58.02	2	52.08	2	52.62	2	182.42	2	26.62	2	13.33
MT080081	Coors/Metcalfe	2	49.56	2	50.94	2	62.18	2	184.91	2	24.68	2	14.1
MT080083	Coors/Metcalfe	2	54.99	2	51	2	62.32	2	184.47	2	26.27	2	15.83
MT080085	Coors/Metcalfe	2	55.48	2	51.57	2	49.53	2	185.44	2	26.79	2	13.91
MT080100	Karma	2	32.52	2	60.04	1	0.5	2	180.77	2	31.29	2	18.01
MT080243	MT960101/MT981210	2	51.54	2	49.51	2	38.26	2	183.54	2	27.87	2	14.1
MT080261	MT970026/MT981091	2	59.74	2	51.17	2	47.43	2	179.91	2	29.02	2	14.61
MT080279	MT970148/MT970116	2	59.33	2	50.21	2	50.56	2	183.11	2	26.87	2	14.49
MT080281	MT970148/MT970116	2	59.73	2	50.47	2	57.68	2	182.33	2	25.58	2	11.6
MT080285	MT970148/MT970116	2	55.01	2	49.71	2	50.91	2	185.56	2	24.37	2	11.92
PI643354	Pinnacle	2	54.25	2	50.52	2	63.69	2	179.76	2	27.41	2	11.99
SCARLETT	Scarlett	2	53.81	2	50.74	2	43.14	2	185.71	2	22.79	2	14.68
MT070175	LK644///Hockett F5	2	58.79	2	51.3	2	58.85	2	179.2	2	31.18	2	12.56
EM090105	05032-068	1	52.16	1	49.45	1	71.37	1	180.72	1	28.09	1	13.08
EM090081	05037-079	1	44.81	1	51.93	1	76.88	1	183.94	1	29.36	1	11.88
MT070136	MT010178/MT970148	1	47.84	1	50.98	1	49.23	1	184.6	1	30.07	1	15.84
MT090169	MT910189*/LK644/EslickBC3F43G3	1	54.61	1	51.07	1	95.71	1	181.48	1	27.8	1	9.96
MT090176	MT910189*/LK644/EslickBC3F33-G	1	52.27	1	50.12	1	71.81	1	183.28	1	31.63	1	12.96
MT090178	MT910189*/LK644/EslickBC3F33-G	1	53.91	1	51.17	1	78.42	1	183.37	1	29.79	1	12.24
MT090180	MT910189*/LK644/EslickBC3F33-G	1	52.74	1	51.26	1	81.84	1	182.05	1	30.78	1	11.64
MT090181	MT910189*/LK644/EslickBC3F33-G	1	52.74	1	51.36	1	83.05	1	182.71	1	30.5	1	12.36
MT090182	MT910189*/LK644/EslickBC3F33-G	1	52.16	1	50.98	1	75.45	1	184.22	1	29.93	1	12.12
MT090183	MT910189*/LK644/EslickBC3F33-G	1	50.17	1	50.12	1	81.62	1	181.95	1	29.36	1	12.48
MT090184	MT910189*/LK644/EslickBC3F33-G	1	48.19	1	50.69	1	69.39	1	184.6	1	29.36	1	13.44
MT090186	MT910189*/LK644/EslickBC3F33-G	1	56.01	1	51.45	1	73.36	1	183.56	1	31.49	1	12
MT090188	MT910189*/LK644/EslickBC3F33-G	1	53.79	1	51.26	1	98.36	1	184.32	1	30.78	1	10.08
MT090190	MT910189*/LK644/EslickBC3F33-G	1	52.27	1	51.07	1	92.08	1	183.75	1	29.65	1	11.88

Moccasin

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090191	MT910189*/LK644/EslickBC3F33-G	1	48.54	1	51.64	1	83.71	1	184.13	1	28.09	1	11.76
MT090192	MT910189*/LK644/EslickBC3F33-G	1	56.36	1	51.64	1	74.13	1	182.61	1	30.92	1	11.88
MT090193	MT910189*/LK644/EslickBC3F33-G	1	52.51	1	50.31	1	75.78	1	182.52	1	31.07	1	13.92
MT090194	MT910189*/LK644/EslickBC3F33-G	1	47.84	1	51.07	1	89.44	1	183.65	1	30.21	1	12.12
MT090202	MT910189*/LK644/EslickBC3F37-I	1	50.17	1	51.45	1	93.4	1	182.52	1	28.8	1	11.64
MT090227	MT910189*/LK644/EslickBC3F37-L	1	49.47	1	50.03	1	86.13	1	180.15	1	30.07	1	12.36
MT090229	MT910189*/LK644/EslickBC3F37-L	1	51.34	1	50.98	1	92.52	1	180.34	1	29.79	1	11.16
MT070174	LK644///Hockett F5	1	53.79	1	52.21	1	91.31	1	179.68	1	28.94	1	13.56
AVERAGE		9	52.67	9	50.26	8	52.42	9	181.62	8	27	9	14.07

Moccasin

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	56.63	34.84	77.68	49.99	65.11	70.80	48.90	56.86	48.50	9	56.59
6B952482	Tradition	44.96	27.51	66.45	42.87	54.35	67.57	46.00	54.50	40.90	9	49.46
MT910189	Hockett	44.84	32.65	67.99	45.75	60.68	58.65	44.30	60.48	43.00	9	50.93
MT970116	Craft	48.63	33.00	71.85	45.95	61.55	75.36	54.70	56.70	44.60	9	54.7
PI568246	Baronesse	51.76	31.95	72.39	56.21	52.89	64.15	49.30	61.25	46.30	9	54.02
MT010158	Amsterdam	0.00	30.51	63.38	50.37	59.22	62.22	49.80	61.92	36.70	8	51.77
MT010160	MT920041/Harrington	0.00	24.23	68.91	47.75	58.58	71.00	47.50	66.27	44.10	8	53.55
MT960101	Geraldine	48.22	24.16	0.00	53.27	56.88	60.34	45.40	55.02	48.10	8	51.31
SK 76333	Harrington	43.34	22.19	63.34	46.07	55.25	60.08	0.00	64.26	43.00	8	48.86
2B965057	Conrad	0.00	0.00	65.63	47.83	57.65	63.54	47.40	63.11	40.70	7	52.26
MT020155	MT960225/H1851195	0.00	0.00	74.44	48.23	62.42	69.88	52.80	62.32	43.70	7	56.04
MT020162	MT960225/H1851195	0.00	0.00	80.21	52.70	64.05	57.85	49.90	64.01	38.80	7	55.19
MT030042	MT910189/MT960099	0.00	0.00	0.00	47.14	63.02	68.01	51.60	60.00	44.50	6	55.61
YU501385	Champion	0.00	0.00	0.00	56.76	63.85	71.66	48.80	0.00	50.50	5	58.24
TR232	Metcalfe	0.00	0.00	66.63	0.00	59.61	58.27	0.00	67.53	38.50	5	51.55
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	47.10	59.57	45.30	3	55.75
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	44.30	58.03	49.80	3	55.81
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	45.40	62.91	40.70	3	54.66
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.01	37.40	2	51.78
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.30	41.60	2	56.34
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.62	37.10	2	51.95
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	49.60	0.00	40.10	2	52.12
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	52.70	0.00	46.30	2	57.52
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.30	42.50	2	53.07
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.97	41.50	2	56.11
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.13	41.60	2	58.4
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.34	43.70	2	60.18
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.21	43.70	2	56.89
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.75	46.10	2	56.32
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.33	43.70	2	58.02
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.48	42.80	2	49.56
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.09	43.30	2	54.99
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.90	36.40	2	55.48
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.65	17.90	2	32.52
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.45	35.50	2	51.54
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.52	46.70	2	59.74
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.26	40.20	2	59.33
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.90	48.30	2	59.73
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.41	43.00	2	55.01
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.80	40.20	2	54.25
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.68	39.50	2	53.81
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.56	44.90	2	58.79
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.70	1	52.16
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.40	1	44.81
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.00	1	47.84
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	1	54.61
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.80	1	52.27
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.20	1	53.91
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.20	1	52.74
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.20	1	52.74
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.70	1	52.16

Moccasin

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00	1	50.17
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.30	1	48.19
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	56.01
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.10	1	53.79
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.80	1	52.27
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.60	1	48.54
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.30	1	56.36
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	1	52.51
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.00	1	47.84
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00	1	50.17
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.40	1	49.47
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.00	1	51.34
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.10	1	53.79
AVERAGE		48.34	29.00	69.91	49.35	59.67	65.29	48.64	60.98	42.86	9	52.67

Moccasin

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	52.00	46.70	51.80	53.15	54.27	55.48	50.30	53.58	55.20	9	52.5
6B952482	Tradition	50.73	39.60	48.85	47.70	53.46	52.80	49.00	50.53	53.50	9	49.57
MT910189	Hockett	49.97	43.27	48.45	52.00	52.86	54.54	48.10	53.80	54.20	9	50.8
MT970116	Craft	48.13	46.33	52.40	51.90	53.98	56.01	51.40	53.26	55.90	9	52.15
PI568246	Baronesse	49.93	41.27	46.95	47.15	52.88	51.98	47.50	51.48	52.40	9	49.06
MT010158	Amsterdam	0.00	43.10	49.10	49.35	51.84	52.64	47.80	51.58	53.10	8	49.75
MT010160	MT920041/Harrington	0.00	42.80	46.20	50.15	52.45	53.86	47.70	51.88	51.70	8	49.53
MT960101	Geraldine	51.60	43.00	0.00	47.55	51.68	53.07	48.30	52.11	53.80	8	50.06
SK 76333	Harrington	49.77	41.40	45.90	47.50	49.91	51.51	0.00	51.61	52.30	8	48.48
2B965057	Conrad	0.00	0.00	48.15	49.50	51.99	53.56	48.10	51.29	52.20	7	49.83
MT020155	MT960225/H1851195	0.00	0.00	50.30	50.10	52.20	53.85	47.40	52.80	50.20	7	50.12
MT020162	MT960225/H1851195	0.00	0.00	51.85	52.20	52.46	53.93	48.60	51.63	53.50	7	51.15
MT030042	MT910189/MT960099	0.00	0.00	0.00	50.50	52.75	55.19	49.90	53.63	54.50	6	51.6
YU501385	Champion	0.00	0.00	0.00	51.25	51.29	54.66	50.10	0.00	53.50	5	51.01
TR232	Metcalfe	0.00	0.00	46.25	0.00	52.65	50.98	0.00	53.15	51.60	5	49.45
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	46.30	51.22	52.60	3	49.54
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	47.70	52.05	51.60	3	49.95
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	47.60	53.17	51.60	3	50.28
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.16	52.80	2	49.69
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.63	53.60	2	51.27
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.38	51.30	2	49.55
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	47.20	0.00	50.80	2	48.77
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	48.30	0.00	52.50	2	50.16
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.60	52.30	2	50.14
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.08	53.60	2	51
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	53.50	2	50.81
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.91	52.00	2	49.66
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.25	54.00	2	51.76
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.52	53.20	2	51.02
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.81	54.10	2	52.08
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.16	53.40	2	50.94
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.68	53.00	2	51
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.16	53.70	2	51.57
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.50	61.90	2	60.04
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.99	51.60	2	49.51
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.93	53.10	2	51.17
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.33	51.70	2	50.21
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	52.80	2	50.47
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.11	51.90	2	49.71
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	52.90	2	50.52
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.44	53.70	2	50.74
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	53.40	2	51.3
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	49.45
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	1	51.93
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	1	50.98
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	51.07
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	1	50.12
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.80	1	51.17
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	51.26
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	51.36
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	1	50.98

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	1	50.12
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.30	1	50.69
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	51.45
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	51.26
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	51.07
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	51.64
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	51.64
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	1	50.31
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	51.07
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	51.45
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.60	1	50.03
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	1	50.98
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.90	1	52.21
AVERAGE		50.30	43.05	48.85	50.00	52.44	53.60	48.41	52.43	53.28	9	50.26

Moccasin

ID	PEDIGREE	2002	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	64.70	25.00	61.00	33.35	37.00	9.40	90.60	41.10	8	45.27
6B952482	Tradition	34.10	57.10	24.30	32.09	52.80	29.10	89.80	72.50	8	48.97
MT910189	Hockett	60.10	70.50	54.80	30.58	57.40	20.70	91.60	76.10	8	57.72
MT970116	Craft	74.40	59.00	56.60	39.61	75.20	50.60	97.60	81.70	8	66.84
PI568246	Baronesse	76.80	29.20	44.30	36.39	42.50	12.20	95.70	60.60	8	49.71
2B965057	Conrad	0.00	35.30	44.90	42.79	55.00	37.60	98.50	61.90	7	57.22
MT010158	Amsterdam	0.00	53.10	70.70	27.25	48.10	35.70	91.40	55.50	7	58.1
MT010160	MT920041/Harrington	0.00	72.70	49.50	35.05	44.50	29.30	87.50	50.40	7	56.15
MT020155	MT960225/H1851195	0.00	22.00	48.60	41.88	55.00	25.90	93.30	46.20	7	50.66
MT020162	MT960225/H1851195	0.00	50.60	65.30	22.54	47.20	27.10	90.40	26.70	7	50.2
MT960101	Geraldine	52.60	0.00	17.60	23.70	24.70	7.80	91.80	52.70	7	36.37
SK 76333	Harrington	64.40	61.90	55.40	30.36	48.30	0.00	91.10	68.50	7	53.89
MT030042	MT910189/MT960099	0.00	0.00	36.10	44.29	47.00	21.20	94.80	48.80	6	48.55
YU501385	Champion	0.00	0.00	25.30	31.92	30.50	17.00	0.00	58.90	5	40.73
TR232	Metcalfe	0.00	39.80	0.00	51.81	34.80	0.00	91.70	47.80	5	53.02
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	12.60	92.10	59.00	3	52.52
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	51.90	97.00	68.40	3	69.72
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	21.40	96.30	59.80	3	56.95
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	93.70	88.10	2	62.49
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	89.10	58.00	2	50.56
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	91.80	53.30	2	49.87
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	34.40	0.00	48.40	2	74.22
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	41.80	0.00	75.60	2	105.24
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	96.30	70.70	2	57.4
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	57.10	57.80	2	39.49
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	92.40	48.50	2	48.43
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	92.80	70.00	2	55.96
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	93.30	75.80	2	58.12
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	92.90	78.30	2	58.85
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	91.30	61.80	2	52.62
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	98.40	82.50	2	62.18
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	97.90	83.40	2	62.32
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	92.10	52.00	2	49.53
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	72.50	38.80	2	38.26
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	91.20	46.80	2	47.43
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	93.40	53.70	2	50.56
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	94.70	73.10	2	57.68
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	87.40	60.70	2	50.91
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	98.20	87.10	2	63.69
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	94.20	31.30	2	43.14
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	97.30	73.90	2	58.85
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.80	1	71.37
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.80	1	76.88
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.70	1	49.23
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1	0.5
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.90	1	95.71
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.20	1	71.81
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.20	1	78.42
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.30	1	81.84

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ID	PEDIGREE	2002	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.40	1	83.05
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.50	1	75.45
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.10	1	81.62
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.00	1	69.39
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.60	1	73.36
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.30	1	98.36
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.60	1	92.08
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.00	1	83.71
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.30	1	74.13
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.80	1	75.78
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.20	1	89.44
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.80	1	93.4
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.20	1	86.13
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.00	1	92.52
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.90	1	91.31
AVERAGE		61.01	48.02	46.74	34.91	46.67	26.98	89.49	65.50	8	52.42

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	180.82	178.80	182.33	178.49	169.35	173.78	182.80	181.69	189.90	9	179.77
6B952482	Tradition	182.31	181.43	181.14	177.11	168.18	173.97	182.80	180.37	187.60	9	179.43
MT910189	Hockett	181.70	179.95	179.60	177.16	169.48	174.17	183.10	181.37	193.10	9	179.96
MT970116	Craft	181.08	178.86	180.93	176.82	168.17	173.66	183.00	180.63	187.90	9	179.01
PI568246	Baronesse	188.63	185.22	183.66	180.30	174.16	177.51	184.80	185.33	197.60	9	184.13
MT010158	Amsterdam	0.00	183.09	182.33	179.63	169.87	176.30	183.90	181.61	194.30	8	181.51
MT010160	MT920041/Harrington	0.00	182.09	183.15	180.03	171.67	177.80	183.70	182.34	192.50	8	181.79
MT960101	Geraldine	189.13	188.75	0.00	181.41	175.15	181.24	188.40	187.39	198.10	8	186.53
SK 76333	Harrington	184.02	183.20	184.00	180.28	172.78	178.43	0.00	184.26	193.20	8	182.91
2B965057	Conrad	0.00	0.00	183.33	180.32	173.03	177.28	185.80	183.66	196.20	7	182.81
MT020155	MT960225/H1851195	0.00	0.00	177.00	174.38	165.11	170.98	180.50	179.99	186.80	7	176.4
MT020162	MT960225/H1851195	0.00	0.00	182.34	180.27	172.93	177.76	185.10	184.36	196.90	7	182.82
MT030042	MT910189/MT960099	0.00	0.00	0.00	177.70	169.92	174.58	183.70	182.70	192.60	6	180.64
YU501385	Champion	0.00	0.00	0.00	176.34	170.36	175.12	184.10	0.00	191.70	5	180.44
TR232	Metcalfe	0.00	0.00	183.33	0.00	169.39	175.62	0.00	181.62	191.90	5	180.74
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	184.70	185.32	197.60	3	184.06
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	183.40	183.06	190.10	3	180.48
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	185.60	184.32	198.30	3	184.26
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.62	198.30	2	187.67
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.69	194.00	2	184.18
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.70	194.30	2	183.36
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	183.40	0.00	193.20	2	181.65
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	182.50	0.00	192.20	2	180.74
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.36	196.30	2	186.1
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.95	193.20	2	181.98
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.34	196.60	2	183.81
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.66	192.50	2	181.5
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	195.20	2	182.97
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.66	194.30	2	182.37
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.67	195.40	2	182.42
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.30	195.90	2	184.91
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.99	196.30	2	184.47
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.70	197.60	2	185.44
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.36	190.30	2	180.77
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.68	195.70	2	183.54
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	191.20	2	179.91
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.99	195.50	2	183.11
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.28	193.60	2	182.33
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.35	197.20	2	185.56
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.97	189.60	2	179.76
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.36	196.50	2	185.71
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.30	189.10	2	179.2
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.90	1	180.72
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.30	1	183.94
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.00	1	184.6
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.70	1	181.48
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.60	1	183.28
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.70	1	183.37
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.30	1	182.05
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.00	1	182.71
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.60	1	184.22
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.20	1	181.95
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.00	1	184.6
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.90	1	183.56
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.70	1	184.32
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.10	1	183.75
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.50	1	184.13

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.90	1	182.61
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.80	1	182.52
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.00	1	183.65
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.80	1	182.52
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.30	1	180.15
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.50	1	180.34
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.80	1	179.68
AVERAGE		183.96	182.38	181.93	178.59	170.64	175.88	183.96	183.68	193.55	9	181.62

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ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	24.74	25.19	32.18	30.32	38.72	24.50	26.14	19.50	8	27.66
6B952482	Tradition	24.58	25.19	29.56	32.41	40.13	26.50	30.54	21.30	8	28.78
MT910189	Hockett	24.08	26.94	31.91	29.61	37.85	23.60	27.60	20.40	8	27.75
MT960101	Geraldine	21.90	21.40	29.36	30.04	35.44	21.90	23.81	19.20	8	25.38
MT970116	Craft	25.89	26.64	35.89	30.96	40.39	25.30	30.89	21.90	8	29.73
PI568246	Baronesse	23.43	23.17	29.59	27.03	36.60	23.70	23.67	18.10	8	25.66
MT010158	Amsterdam	0.00	23.72	29.68	28.95	37.57	23.30	27.83	20.40	7	26.94
MT010160	MT920041/Harrington	0.00	24.93	30.83	31.99	38.68	25.00	28.46	20.30	7	28.17
SK 76333	Harrington	22.65	23.51	28.51	27.93	36.83	0.00	28.50	18.60	7	26.22
2B965057	Conrad	0.00	0.00	29.48	27.69	35.55	21.30	24.80	18.30	6	25.36
MT020155	MT960225/H1851195	0.00	0.00	33.10	29.67	38.23	26.10	28.49	19.80	6	28.31
MT020162	MT960225/H1851195	0.00	0.00	32.66	32.88	36.98	23.20	26.51	18.50	6	27.56
MT030042	MT910189/MT960099	0.00	0.00	19.67	29.78	36.88	23.30	26.14	18.50	6	24.9
YU501385	Champion	0.00	0.00	31.11	29.40	37.76	24.10	0.00	19.90	5	27.1
TR232	Metcalfe	0.00	0.00	0.00	31.62	36.44	0.00	29.53	18.80	4	28.07
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	23.50	25.19	18.00	3	26.3
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	21.70	27.70	20.40	3	27.53
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	21.00	24.56	18.10	3	25.11
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	21.79	18.00	2	24.12
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	23.39	19.30	2	25.87
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	28.49	18.70	2	28.6
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	26.50	0.00	20.40	2	29.48
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	25.10	0.00	21.40	2	29.23
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	19.51	16.70	2	21.95
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	25.92	19.50	2	27.53
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	29.05	20.60	2	30.09
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	25.67	18.20	2	26.59
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	24.40	18.70	2	26.12
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	23.77	18.00	2	25.32
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	24.73	19.20	2	26.62
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	22.92	17.80	2	24.68
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	24.84	18.50	2	26.27
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	26.10	18.10	2	26.79
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	31.12	20.50	2	31.29
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	26.99	19.00	2	27.87
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	28.88	19.00	2	29.02
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	26.03	18.30	2	26.87
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	24.60	17.60	2	25.58
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	23.01	17.20	2	24.37
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	26.02	19.20	2	27.41
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	21.31	16.30	2	22.79
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	29.14	22.30	2	31.18
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.80	1	28.09
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.70	1	29.36
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.20	1	30.07
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.60	1	27.8
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.30	1	31.63
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	1	29.79
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.70	1	30.78

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ID	PEDIGREE	2002	2003	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.50	1	30.5
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.10	1	29.93
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.70	1	29.36
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.70	1	29.36
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.20	1	31.49
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.70	1	30.78
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.90	1	29.65
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.80	1	28.09
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.80	1	30.92
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.90	1	31.07
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.30	1	30.21
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.30	1	28.8
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.20	1	30.07
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	1	29.79
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.40	1	28.94
AVERAGE		23.90	24.52	30.25	30.02	37.60	23.87	26.10	19.77	8	27

Moccasin

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	14.93	18.40	15.60	14.90	11.30	9.80	13.30	9.60	11.00	9	13.2
6B952482	Tradition	14.48	19.80	12.70	16.50	11.02	13.00	13.60	9.90	11.60	9	13.62
MT910189	Hockett	14.47	19.10	16.50	14.00	11.72	13.60	13.70	9.60	10.50	9	13.69
MT970116	Craft	14.85	18.90	15.10	15.90	11.66	12.70	14.10	11.00	10.10	9	13.81
PI568246	Baronesse	14.96	20.30	18.10	14.70	11.10	13.60	15.40	10.50	10.40	9	14.34
MT010158	Amsterdam	0.00	20.40	16.40	15.70	12.17	13.10	15.50	12.00	13.30	8	15.07
MT010160	MT920041/Harrington	0.00	20.40	17.40	16.10	11.47	13.20	14.40	10.00	11.30	8	14.52
MT960101	Geraldine	14.15	20.70	0.00	17.20	11.14	14.60	15.50	9.30	9.70	8	14.36
SK 76333	Harrington	14.53	21.50	18.00	16.10	11.99	13.50	0.00	9.10	11.00	8	14.48
2B965057	Conrad	0.00	0.00	16.80	16.50	11.46	13.80	15.20	11.40	12.20	7	15.03
MT020155	MT960225/H1851195	0.00	0.00	16.70	15.10	11.46	12.50	14.10	10.80	9.90	7	13.98
MT020162	MT960225/H1851195	0.00	0.00	15.80	15.70	12.42	14.50	15.00	9.20	13.50	7	14.84
MT030042	MT910189/MT960099	0.00	0.00	0.00	16.00	11.05	12.00	13.60	10.80	10.10	6	13.89
YU501385	Champion	0.00	0.00	0.00	13.90	12.05	12.50	14.90	0.00	9.60	5	13.78
TR232	Metcalfe	0.00	0.00	17.30	0.00	11.41	13.80	0.00	10.50	12.00	5	14.98
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	15.60	11.30	9.60	3	14.22
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	13.80	9.90	10.50	3	13.32
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	15.60	9.70	10.80	3	14.06
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	10.40	2	12.43
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	11.10	2	13.4
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	12.60	2	13.84
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	14.20	0.00	12.40	2	14.45
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	14.20	0.00	9.50	2	12.88
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	11.40	2	13.84
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	10.70	2	12.75
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.60	11.50	2	14.16
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	10.30	2	12.5
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	10.30	2	13.2
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	9.50	2	12.24
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.10	11.70	2	13.33
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	10.70	2	14.1
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	11.60	2	15.83
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	10.30	2	13.91
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	15.80	2	18.01
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.70	13.30	2	14.1
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	10.60	2	14.61
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	12.30	2	14.49
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	9.30	2	11.6
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	9.80	2	11.92
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	9.30	2	11.99
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	13.30	2	14.68
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	10.20	2	12.56
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.90	1	13.08
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.90	1	11.88
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.20	1	15.84
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.30	1	9.96
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80	1	12.96
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	1	12.24
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70	1	11.64
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	1	12.36
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	1	12.12

Moccasin

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	1	12.48
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	1	13.44
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	1	12
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.40	1	10.08
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.90	1	11.88
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	1	11.76
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.90	1	11.88
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.60	1	13.92
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	1	12.12
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70	1	11.64
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	1	12.36
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	1	11.16
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	1	13.56
AVERAGE		14.62	19.94	16.37	15.59	11.56	13.08	14.54	10.15	10.79	9	14.07

Kalispell

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	121.71	9	52.09	9	87.72	9	178.89	9	32.05	8	14.18
6B952482	Tradition	9	124.69	9	49.45	9	86.57	9	177.19	9	34.68	8	13.97
MT910189	Hockett	9	124.59	9	51.31	9	90.47	9	177.46	9	31.28	8	14.11
MT970116	Craft	9	126.01	9	52.34	9	89.62	9	177.54	9	33.8	8	13.93
PI568246	Baronesse	9	122.79	9	51.49	9	87.91	9	181.6	9	30.01	8	14.13
MT010158	Amsterdam	8	124.01	8	51.46	8	89.59	8	179.58	8	31.72	8	14.55
MT010160	MT920041/Harrington	8	119.53	8	51.4	8	86.66	8	180.59	8	32.27	8	14.36
MT960101	Geraldine	8	126.72	8	50.59	8	81.47	8	182.71	8	30.11	7	14.43
SK 76333	Harrington	8	118.27	8	49.41	8	82.92	8	181.12	8	31.54	7	14.05
2B965057	Conrad	7	127.17	7	50.85	7	85.34	7	181.2	7	29.85	7	15.18
MT020155	MT960225/H1851195	7	118.38	7	50.77	7	84.48	7	175.84	7	32.1	7	14.1
MT020162	MT960225/H1851195	7	134.78	7	51.38	7	86.28	7	180.96	7	34.38	7	14.36
YU501385	Champion	6	133.97	6	52.67	6	87.48	6	178.84	6	32.69	6	13.8
MT030042	MT910189/MT960099	6	126.39	6	51.89	6	86.57	6	179.95	6	28.69	6	13.44
TR232	Metcalfe	5	119.98	5	50.49	5	86.02	5	181.47	5	32.94	5	14.51
MT061035	Baronesse/MT981210	3	136.38	3	51.4	3	88.21	3	182.15	3	29.63	3	14.15
MT061104	Harrington/MT970229	3	128.98	3	51.83	3	89.1	3	180.34	3	33.42	3	14.05
MT061134	Kendal/Conlon	3	117.32	3	51.37	3	89.5	3	180.66	3	33.51	3	14.49
MT061169	MT960101/Coors 37	3	127.58	3	52.92	3	85.48	3	181.75	3	31.55	3	14.9
MT061201	MT970110/LK232	3	109.49	3	52.09	3	90.8	3	179.09	3	33.07	3	14.05
MT070086	MT970148/Coors37	2	123.91	2	53.19	2	86	2	181.66	2	24.57	2	12.49
MT070111	MT010178/Harrington	2	132.84	2	53.04	2	86.95	2	181.9	2	33.25	2	14.33
MT070125	MT981210/MT970116	2	141.02	2	52.94	2	85.14	2	182.21	2	32.94	2	13.62
MT070136	MT010178/MT970148	2	125.14	2	51.64	2	86.63	2	182.81	2	33.94	2	14.44
MT070148	MT990172/Metcalfe	2	131.66	2	52.19	2	87.54	2	178.24	2	32.66	2	14.28
MT070158	MT970148/Klages	2	136.4	2	53.54	2	88.49	2	178.83	2	29.46	2	13.41
MT070159	MT970148/Klages	2	136.61	2	51.34	2	87.13	2	178.57	2	28.72	2	13.41
MT070161	MT970148/Klages	2	122.69	2	53.04	2	87.18	2	179.31	2	27.95	2	13.11
MT070174	LK644///Hockett F5	2	131.09	2	52.44	2	83.24	2	177.94	2	31.45	2	12.34
MT070175	LK644///Hockett F5	2	136.42	2	53.04	2	84.5	2	179.99	2	33.34	2	11.93
EM090117	03013-25	1	130.16	1	49.97	1	80.84	1	186.27	1	30.88	1	14.09
EM090128	03021-03	1	138.24	1	52.09	1	75.15	1	182.39	1	27.47	1	14.55
EM090105	05032-068	1	137	1	50.38	1	78.73	1	179.46	1	31.6	1	14.27
EM090081	05037-079	1	110.27	1	53.51	1	85.52	1	183.62	1	32.32	1	14.83
COPELAND	Copeland	1	137.62	1	51.79	1	85.34	1	183.81	1	35.55	1	12.61
MT080081	Coors/Metcalfe	1	141.6	1	53.81	1	87.26	1	182.3	1	29.8	1	13.44
MT080083	Coors/Metcalfe	1	142.22	1	53.41	1	88.46	1	182.67	1	30.52	1	13.72
MT080085	Coors/Metcalfe	1	137	1	51.69	1	88.18	1	182.58	1	32.95	1	14.27
MT080100	Karma	1	65.89	1	54.82	1	78.09	1	179.93	1	28.37	1	15.48
MT080243	MT960101/MT981210	1	136.25	1	50.78	1	83.5	1	180.88	1	32.41	1	14
MT080261	MT970026/MT981091	1	131.28	1	51.59	1	74.6	1	176.43	1	29.98	1	12.88
MT080279	MT970148/MT970116	1	149.81	1	53.91	1	84.78	1	176.05	1	29.8	1	12.88
MT080281	MT970148/MT970116	1	139.98	1	52.3	1	86.53	1	176.81	1	29.18	1	12.61
MT080285	MT970148/MT970116	1	146.7	1	52.8	1	85.79	1	177.19	1	29.26	1	13.16
MT090169	MT910189*/LK644/EslickBC3F43G3	1	149.06	1	51.18	1	86.99	1	177.38	1	32.14	1	11.96
MT090176	MT910189*/LK644/EslickBC3F33-G	1	139.61	1	51.18	1	81.94	1	181.44	1	34.2	1	11.86
MT090178	MT910189*/LK644/EslickBC3F33-G	1	142.72	1	53	1	80.93	1	180.03	1	32.5	1	12.42
MT090180	MT910189*/LK644/EslickBC3F33-G	1	142.84	1	50.98	1	84.33	1	180.88	1	33.66	1	12.23
MT090181	MT910189*/LK644/EslickBC3F33-G	1	141.6	1	52.6	1	78.18	1	180.4	1	33.75	1	12.33
MT090182	MT910189*/LK644/EslickBC3F33-G	1	159.13	1	53	1	87.08	1	180.31	1	32.95	1	11.86
MT090183	MT910189*/LK644/EslickBC3F33-G	1	134.02	1	52.3	1	85.7	1	180.21	1	35.37	1	12.14
MT090184	MT910189*/LK644/EslickBC3F33-G	1	147.44	1	52.3	1	86.16	1	180.97	1	32.14	1	11.86
MT090186	MT910189*/LK644/EslickBC3F33-G	1	158.38	1	52.3	1	84.42	1	180.5	1	35.01	1	11.96
MT090188	MT910189*/LK644/EslickBC3F33-G	1	145.08	1	53	1	85.15	1	181.16	1	34.83	1	11.77
MT090190	MT910189*/LK644/EslickBC3F33-G	1	149.81	1	52.9	1	86.62	1	179.36	1	34.38	1	12.14
MT090191	MT910189*/LK644/EslickBC3F33-G	1	127.3	1	52.19	1	85.24	1	180.5	1	31.15	1	11.68

Kalispell

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090192	MT910189*/LK644/EslickBC3F33-G	1	137.25	1	53	1	86.16	1	180.59	1	34.29	1	12.14
MT090193	MT910189*/LK644/EslickBC3F33-G	1	152.54	1	52.19	1	82.49	1	181.26	1	34.83	1	12.79
MT090194	MT910189*/LK644/EslickBC3F33-G	1	126.81	1	51.39	1	84.69	1	180.78	1	33.75	1	12.14
MT090202	MT910189*/LK644/EslickBC3F37-I	1	138.12	1	53.2	1	84.23	1	178.51	1	34.92	1	11.77
MT090227	MT910189*/LK644/EslickBC3F37-L	1	141.23	1	53.81	1	85.98	1	178.42	1	35.37	1	11.49
MT090229	MT910189*/LK644/EslickBC3F37-L	1	156.52	1	52.8	1	89.01	1	176.62	1	32.68	1	12.14
PI643354	Pinnacle	1	125.44	1	52.3	1	84.69	1	177.94	1	35.64	1	11.49
SCARLETT	Scarlett	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGE		9	124.34	9	51.06	9	87.54	9	179.52	9	31.71	8	14.11

Kalispell

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	151.34	116.93	125.56	128.47	116.76	77.60	133.14	147.68	97.90	9	121.71
6B952482	Tradition	161.27	116.71	134.43	136.10	110.85	77.10	141.08	146.91	97.80	9	124.69
MT910189	Hockett	136.34	124.83	133.51	146.50	114.82	85.10	123.04	145.89	111.30	9	124.59
MT970116	Craft	145.53	122.75	142.47	134.86	114.75	79.50	131.17	169.39	93.70	9	126.01
PI568246	Baronesse	144.14	117.42	132.18	142.65	116.83	81.80	127.41	143.81	98.90	9	122.79
MT010158	Amsterdam	0.00	116.47	128.68	131.76	108.06	78.30	130.86	150.98	116.80	8	124.01
MT010160	MT920041/Harrington	0.00	114.21	119.77	137.78	96.22	77.80	126.72	146.84	107.80	8	119.53
MT960101	Geraldine	148.41	108.98	0.00	154.54	131.67	71.50	138.30	148.93	107.40	8	126.72
SK 76333	Harrington	129.63	122.03	132.46	127.22	97.00	75.40	0.00	146.20	105.10	8	118.27
2B965057	Conrad	0.00	0.00	120.69	146.70	105.31	81.30	141.24	148.81	120.20	7	127.17
MT020155	MT960225/H1851195	0.00	0.00	135.44	133.07	114.40	75.90	121.15	129.00	95.50	7	118.38
MT020162	MT960225/H1851195	0.00	0.00	157.92	156.22	111.52	81.80	135.62	153.73	119.10	7	134.78
YU501385	Champion	0.00	0.00	0.00	153.26	118.07	80.30	144.78	153.89	121.90	6	133.97
MT030042	MT910189/MT960099	0.00	0.00	0.00	135.09	103.92	83.90	141.37	152.16	112.10	6	126.39
TR232	Metcalfe	0.00	0.00	130.52	0.00	96.58	78.70	0.00	145.09	106.60	5	119.98
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	139.02	169.96	115.40	3	136.38
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	144.44	148.71	108.20	3	128.98
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	125.35	140.92	98.80	3	117.32
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	136.17	155.33	105.50	3	127.58
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	112.72	132.57	95.40	3	109.49
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154.63	95.40	2	123.91
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.35	123.70	2	132.84
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164.84	119.70	2	141.02
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.10	111.40	2	125.14
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161.36	104.30	2	131.66
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157.62	117.60	2	136.4
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154.74	120.90	2	136.61
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.66	103.90	2	122.69
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157.11	107.40	2	131.09
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	159.96	115.30	2	136.42
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.70	1	130.16
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.20	1	138.24
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.20	1	137
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.70	1	110.27
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.70	1	137.62
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.90	1	141.6
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.40	1	142.22
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.20	1	137
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	65.89
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.60	1	136.25
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.60	1	131.28
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.50	1	149.81
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.60	1	139.98
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.00	1	146.7
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.90	1	149.06
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.30	1	139.61
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.80	1	142.72
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.90	1	142.84
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.90	1	141.6
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.00	1	159.13
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.80	1	134.02
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.60	1	147.44
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.40	1	158.38
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.70	1	145.08
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.50	1	149.81
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.40	1	127.3

Kalispell

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.40	1	137.25
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122.70	1	152.54
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.00	1	126.81
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.10	1	138.12
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.60	1	141.23
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.90	1	156.52
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.90	1	125.44
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		145.24	117.81	132.80	140.30	110.45	79.07	132.98	150.54	109.87	9	124.34

Kalispell

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	51.30	51.70	52.80	52.00	52.10	51.44	53.10	52.80	51.60	9	52.09
6B952482	Tradition	48.00	47.40	49.10	47.50	51.41	49.73	51.50	51.20	49.20	9	49.45
MT910189	Hockett	49.80	49.80	52.50	48.30	51.09	51.02	53.10	52.60	53.60	9	51.31
MT970116	Craft	51.60	51.90	53.20	52.20	50.60	51.00	53.10	54.50	53.00	9	52.34
PI568246	Baronesse	50.20	51.40	52.10	50.10	51.26	49.07	53.10	54.40	51.80	9	51.49
MT010158	Amsterdam	0.00	50.20	52.80	51.30	49.80	50.17	52.30	52.50	53.40	8	51.46
MT010160	MT920041/Harrington	0.00	48.00	52.40	52.00	50.82	50.65	52.80	53.50	51.80	8	51.4
MT960101	Geraldine	48.20	48.90	0.00	50.30	50.01	49.35	53.10	53.20	51.00	8	50.59
SK 76333	Harrington	45.20	47.30	49.80	49.20	50.85	48.55	0.00	52.80	50.60	8	49.41
2B965057	Conrad	0.00	0.00	50.40	50.30	51.02	47.50	52.80	53.50	51.60	7	50.85
MT020155	MT960225/H1851195	0.00	0.00	50.70	49.40	51.44	49.13	52.00	51.90	52.00	7	50.77
MT020162	MT960225/H1851195	0.00	0.00	51.90	51.60	50.97	48.56	52.60	53.70	51.50	7	51.38
YU501385	Champion	0.00	0.00	0.00	52.10	53.03	51.90	53.10	54.60	51.80	6	52.67
MT030042	MT910189/MT960099	0.00	0.00	0.00	49.60	51.30	53.19	53.80	53.00	50.90	6	51.89
TR232	Metcalfe	0.00	0.00	52.20	0.00	49.61	48.00	0.00	52.90	50.00	5	50.49
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	51.70	53.30	50.40	3	51.4
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	52.00	53.10	51.60	3	51.83
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	51.70	52.20	51.40	3	51.37
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	52.80	54.40	52.80	3	52.92
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	53.10	54.30	50.10	3	52.09
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	52.70	2	53.19
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	52.40	2	53.04
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.20	53.90	2	52.94
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.30	51.20	2	51.64
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.40	51.20	2	52.19
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	53.00	2	53.54
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	50.20	2	51.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.40	53.90	2	53.04
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.30	51.80	2	52.44
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	52.80	2	53.04
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	49.97
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.60	1	52.09
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.90	1	50.38
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	53.51
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.30	1	51.79
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.30	1	53.81
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	1	53.41
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.20	1	51.69
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	54.82
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.30	1	50.78
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.10	1	51.59
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.40	1	53.91
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.80	1	52.3
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.30	1	52.8
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.70	1	51.18
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.70	1	51.18
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	53
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	1	50.98
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.10	1	52.6
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	53
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.80	1	52.3

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.80	1	52.3
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.80	1	52.3
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	53
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.40	1	52.9
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.70	1	52.19
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	53
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.70	1	52.19
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.90	1	51.39
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	1	53.2
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.30	1	53.81
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.30	1	52.8
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.80	1	52.3
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		49.19	49.62	51.66	50.42	51.02	49.95	52.65	53.21	51.83	9	51.06

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	88.00	62.70	92.20	97.10	91.29	72.90	91.70	98.00	95.60	9	87.72
6B952482	Tradition	91.00	73.00	89.20	96.20	82.53	64.50	98.70	98.00	86.00	9	86.57
MT910189	Hockett	91.50	88.90	96.50	91.90	87.16	76.70	93.70	93.50	94.40	9	90.47
MT970116	Craft	90.80	88.10	93.60	95.50	86.92	70.50	98.40	97.00	85.80	9	89.62
PI568246	Baronesse	91.80	80.30	92.20	96.80	81.46	68.60	98.10	98.50	83.40	9	87.91
MT010158	Amsterdam	0.00	79.40	96.80	96.20	83.03	75.10	95.30	98.50	92.10	8	89.59
MT010160	MT920041/Harrington	0.00	58.60	95.90	96.60	81.71	79.70	91.40	96.00	93.10	8	86.66
MT960101	Geraldine	72.00	52.70	0.00	93.20	79.72	72.00	93.60	95.50	88.90	8	81.47
SK 76333	Harrington	65.60	70.10	84.70	93.50	89.72	71.10	0.00	98.50	86.40	8	82.92
2B965057	Conrad	0.00	0.00	93.30	96.40	76.16	77.30	92.00	98.50	87.80	7	85.34
MT020155	MT960225/H1851195	0.00	0.00	87.30	92.10	84.81	65.80	97.80	95.50	91.90	7	84.48
MT020162	MT960225/H1851195	0.00	0.00	94.50	97.50	89.17	76.30	97.50	99.00	74.30	7	86.28
YU501385	Champion	0.00	0.00	0.00	97.40	96.36	74.00	96.50	97.50	83.30	6	87.48
MT030042	MT910189/MT960099	0.00	0.00	0.00	87.20	84.51	81.90	96.40	96.50	92.90	6	86.57
TR232	Metcalfe	0.00	0.00	94.00	0.00	85.58	79.10	0.00	97.50	85.10	5	86.02
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	96.10	97.00	93.80	3	88.21
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	97.70	97.50	94.60	3	89.1
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	97.60	97.50	96.00	3	89.5
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	96.20	97.50	84.30	3	85.48
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	98.10	99.50	97.70	3	90.8
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	92.80	2	86
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	94.40	2	86.95
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	89.90	2	85.14
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	92.70	2	86.63
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	95.70	2	87.54
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	97.30	2	88.49
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	95.80	2	87.13
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	95.40	2	87.18
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	85.20	2	83.24
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	88.00	2	84.5
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.10	1	80.84
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.90	1	75.15
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.80	1	78.73
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.20	1	85.52
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	85.34
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.10	1	87.26
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.40	1	88.46
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.10	1	88.18
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.10	1	78.09
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	83.5
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.30	1	74.6
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.40	1	84.78
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.30	1	86.53
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.50	1	85.79
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	1	86.99
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.30	1	81.94
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.20	1	80.93
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.90	1	84.33
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.20	1	78.18
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.90	1	87.08
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.40	1	85.7

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.90	1	86.16
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	1	84.42
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	1	85.15
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.40	1	86.62
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.90	1	85.24
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.90	1	86.16
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.90	1	82.49
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.30	1	84.69
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	1	84.23
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.70	1	85.98
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	1	89.01
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.30	1	84.69
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		84.39	72.64	92.52	94.83	85.34	73.70	95.93	97.47	91.05	9	87.54

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	183.67	172.68	168.28	174.86	177.36	172.60	187.60	183.86	189.10	9	178.89
6B952482	Tradition	179.33	171.32	166.67	172.93	174.94	170.40	187.77	182.54	188.80	9	177.19
MT910189	Hockett	178.00	170.12	165.75	171.88	176.70	175.00	188.41	185.18	186.10	9	177.46
MT970116	Craft	177.00	171.76	167.51	172.84	177.28	172.20	187.81	184.18	187.30	9	177.54
PI568246	Baronesse	187.00	175.54	171.75	174.26	178.35	176.60	189.42	189.19	192.30	9	181.6
MT010158	Amsterdam	0.00	173.16	167.01	173.36	177.33	176.50	188.35	186.26	189.90	8	179.58
MT010160	MT920041/Harrington	0.00	175.29	168.95	174.18	178.40	177.60	189.07	186.94	189.50	8	180.59
MT960101	Geraldine	186.00	175.44	0.00	175.56	179.94	180.60	191.27	191.81	191.90	8	182.71
SK 76333	Harrington	182.67	175.20	171.07	175.38	179.42	177.20	0.00	187.67	191.50	8	181.12
2B965057	Conrad	0.00	0.00	170.16	173.79	178.01	179.80	190.33	187.29	190.50	7	181.2
MT020155	MT960225/H1851195	0.00	0.00	161.78	170.97	173.35	170.50	187.07	183.44	185.20	7	175.84
MT020162	MT960225/H1851195	0.00	0.00	168.92	175.15	178.38	177.50	189.68	187.13	191.40	7	180.96
YU501385	Champion	0.00	0.00	0.00	172.13	176.61	174.60	188.65	185.18	187.90	6	178.84
MT030042	MT910189/MT960099	0.00	0.00	0.00	172.12	177.35	176.40	189.79	187.18	189.00	6	179.95
TR232	Metcalfe	0.00	0.00	172.31	0.00	177.00	175.00	0.00	187.14	192.60	5	181.47
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	190.49	188.10	192.20	3	182.15
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	189.58	187.73	187.80	3	180.34
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	190.60	185.82	189.70	3	180.66
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	189.95	187.58	192.00	3	181.75
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	188.05	184.45	188.70	3	179.09
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.83	189.90	2	181.66
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.33	191.90	2	181.9
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.58	191.30	2	182.21
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.93	192.20	2	182.81
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.91	186.70	2	178.24
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.04	186.80	2	178.83
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.59	185.70	2	178.57
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.83	187.00	2	179.31
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.58	187.40	2	177.94
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.55	188.70	2	179.99
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.90	1	186.27
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.80	1	182.39
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.70	1	179.46
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.10	1	183.62
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.30	1	183.81
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.70	1	182.3
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.10	1	182.67
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.00	1	182.58
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.20	1	179.93
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.20	1	180.88
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.50	1	176.43
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.10	1	176.05
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.90	1	176.81
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.30	1	177.19
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.50	1	177.38
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.80	1	181.44
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.30	1	180.03
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.20	1	180.88
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.70	1	180.4
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.60	1	180.31
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.50	1	180.21
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.30	1	180.97
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80	1	180.5
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.50	1	181.16
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.60	1	179.36
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80	1	180.5
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.90	1	180.59

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.60	1	181.26
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.10	1	180.78
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.70	1	178.51
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.60	1	178.42
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.70	1	176.62
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.10	1	177.94
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		181.95	173.39	168.35	173.53	177.36	175.50	189.11	186.56	189.97	9	179.52

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	32.73	34.00	34.98	35.58	43.21	11.60	32.08	28.55	35.70	9	32.05
6B952482	Tradition	35.01	35.89	40.14	39.40	44.52	12.80	34.69	33.13	36.50	9	34.68
MT910189	Hockett	29.87	32.90	35.45	35.71	40.45	11.80	31.04	28.67	35.60	9	31.28
MT970116	Craft	31.68	34.95	38.62	38.72	43.16	12.70	36.28	30.59	37.50	9	33.8
PI568246	Baronesse	29.14	33.25	33.63	31.18	38.77	11.00	31.07	27.53	34.50	9	30.01
MT010158	Amsterdam	0.00	32.03	35.69	32.81	42.90	11.40	32.07	30.31	35.90	8	31.72
MT010160	MT920041/Harrington	0.00	32.63	33.19	35.65	42.20	12.30	34.59	30.73	36.20	8	32.27
MT960101	Geraldine	28.97	29.73	0.00	34.05	39.18	10.90	30.85	29.51	34.90	8	30.11
SK 76333	Harrington	29.01	32.60	36.65	33.82	41.02	11.50	0.00	31.29	36.40	8	31.54
2B965057	Conrad	0.00	0.00	30.93	32.71	38.85	10.90	31.05	28.86	33.20	7	29.85
MT020155	MT960225/H1851195	0.00	0.00	35.67	35.23	43.32	12.30	32.09	28.07	35.40	7	32.1
MT020162	MT960225/H1851195	0.00	0.00	41.65	38.48	43.38	11.80	33.89	31.61	37.00	7	34.38
YU501385	Champion	0.00	0.00	0.00	34.87	42.06	11.60	34.98	29.76	37.20	6	32.69
MT030042	MT910189/MT960099	0.00	0.00	0.00	30.36	37.19	11.00	29.85	26.94	31.80	6	28.69
TR232	Metcalfe	0.00	0.00	35.43	0.00	42.50	12.20	0.00	31.00	37.20	5	32.94
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	30.17	27.68	31.20	3	29.63
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	33.40	30.26	36.80	3	33.42
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	33.78	30.26	36.70	3	33.51
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	31.66	28.56	34.60	3	31.55
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	33.37	30.03	36.00	3	33.07
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.46	26.80	2	24.57
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.76	37.90	2	33.25
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.14	36.90	2	32.94
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.35	38.70	2	33.94
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.68	36.80	2	32.66
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.47	32.60	2	29.46
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.07	31.50	2	28.72
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.83	30.20	2	27.95
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.46	34.60	2	31.45
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.45	36.40	2	33.34
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.40	1	30.88
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.60	1	27.47
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.20	1	31.6
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00	1	32.32
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.60	1	35.55
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.20	1	29.8
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.00	1	30.52
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.70	1	32.95
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.60	1	28.37
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.10	1	32.41
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.40	1	29.98
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.20	1	29.8
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.50	1	29.18
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.60	1	29.26
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.80	1	32.14
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.10	1	34.2
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.20	1	32.5
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.50	1	33.66
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.60	1	33.75
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.70	1	32.95
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.40	1	35.37

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.80	1	32.14
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.00	1	35.01
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.80	1	34.83
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.30	1	34.38
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.70	1	31.15
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.20	1	34.29
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.80	1	34.83
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.60	1	33.75
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.90	1	34.92
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.40	1	35.37
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.40	1	32.68
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.70	1	35.64
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		30.92	33.11	36.00	34.90	41.51	11.72	32.61	28.97	35.69	9	31.71

Kalispell

ID	PEDIGREE	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	15.60	14.00	12.30	14.15	15.70	14.00	12.40	15.30	8	14.18
6B952482	Tradition	14.80	13.70	12.40	14.46	14.80	13.50	12.60	15.50	8	13.97
MT010158	Amsterdam	15.80	14.20	14.10	14.54	16.20	15.00	12.60	14.00	8	14.55
MT010160	MT920041/Harrington	16.20	14.50	13.10	14.46	14.90	13.50	13.30	14.90	8	14.36
MT910189	Hockett	14.80	13.90	12.60	14.91	14.90	13.60	13.80	14.40	8	14.11
MT970116	Craft	14.20	14.20	12.50	14.18	15.10	13.90	11.70	15.70	8	13.93
PI568246	Baronesse	14.20	14.20	13.10	15.01	15.60	12.90	13.20	14.80	8	14.13
2B965057	Conrad	0.00	15.60	13.90	16.23	16.70	13.30	13.20	15.80	7	15.18
MT020155	MT960225/H1851195	0.00	13.70	12.40	14.12	15.60	14.10	13.20	14.20	7	14.1
MT020162	MT960225/H1851195	0.00	14.40	13.20	14.61	15.40	14.10	13.20	14.20	7	14.36
MT960101	Geraldine	16.10	0.00	13.60	15.00	14.50	13.70	13.10	15.20	7	14.43
SK 76333	Harrington	15.50	14.70	12.10	13.51	14.40	0.00	12.80	15.50	7	14.05
YU501385	Champion	0.00	0.00	12.60	13.60	14.40	14.50	12.40	14.10	6	13.8
MT030042	MT910189/MT960099	0.00	0.00	12.60	15.04	13.20	12.20	12.20	14.20	6	13.44
TR232	Metcalfe	0.00	14.10	0.00	14.80	16.20	0.00	12.90	15.20	5	14.51
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	14.80	13.20	13.60	3	14.15
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	14.30	12.60	14.40	3	14.05
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	14.00	13.80	14.80	3	14.49
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	15.10	13.60	15.10	3	14.9
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	14.20	13.00	14.10	3	14.05
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	11.20	13.20	2	12.49
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	13.00	15.00	2	14.33
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	12.20	14.40	2	13.62
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	13.10	15.10	2	14.44
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	12.90	15.00	2	14.28
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	12.50	13.70	2	13.41
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	12.60	13.60	2	13.41
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	12.40	13.20	2	13.11
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	11.50	12.60	2	12.34
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	11.00	12.30	2	11.93
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.20	1	14.09
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.70	1	14.55
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.40	1	14.27
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	1	14.83
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.61
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.50	1	13.44
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.80	1	13.72
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.40	1	14.27
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.70	1	15.48
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.10	1	14
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.90	1	12.88
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.90	1	12.88
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.61
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.20	1	13.16
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90	1	11.96
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	1	11.86
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	12.42
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.20	1	12.23

Kalispell

ID	PEDIGREE	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	1	12.33
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	1	11.86
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	12.14
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	1	11.86
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90	1	11.96
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.70	1	11.77
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	12.14
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60	1	11.68
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	12.14
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.80	1	12.79
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	12.14
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.70	1	11.77
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	1	11.49
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	12.14
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	1	11.49
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
AVERAGE		15.24	14.27	12.89	14.57	15.17	13.93	12.71	14.08	8	14.11

Huntley

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	10	65.36	10	51.52	10	58.41	9	153.89	10	28.1	10	12.97
6B952482	Tradition	10	60.3	10	48.19	10	60.13	9	150.39	10	29.5	10	13.02
MT910189	Hockett	10	65.12	10	49.92	10	68.86	9	153.72	10	28.04	10	13.13
MT970116	Craft	10	65.32	10	50.66	10	67.12	9	152.61	10	30.14	10	13.11
PI568246	Baronesse	10	71.08	10	48.43	10	56.71	9	157.53	10	26.52	10	13.67
MT010158	Amsterdam	9	62.18	9	49.81	9	69.79	9	154.67	9	27.12	9	13.93
MT010160	MT920041/Harrington	9	65.79	9	49.46	9	63.77	9	154.74	9	29.13	9	13.23
MT960101	Geraldine	9	61.4	9	47.28	9	43.64	8	160.38	9	25.91	9	13.09
SK 76333	Harrington	9	55.71	9	47.47	9	61.42	8	155.41	9	27.3	9	13.4
2B965057	Conrad	8	68.82	8	48.89	8	65.87	8	157.38	8	26.46	8	13.94
MT020155	MT960225/H1851195	8	71.22	8	49.37	8	62.02	8	150.36	8	30.04	8	12.6
MT020162	MT960225/H1851195	8	66.11	8	49.62	8	60.39	8	156.54	8	28.76	8	13.56
MT030042	MT910189/MT960099	7	67.88	7	50.68	7	55.25	7	155.36	7	27.02	7	12.5
YU501385	Champion	6	70.19	6	50.82	6	63.57	6	155.52	6	27.89	6	12.65
TR232	Metcalfe	5	60.73	5	48.78	5	57.38	5	153.9	5	28.04	5	14.04
MT061035	Baronesse/MT981210	4	79.66	4	48	4	53.11	4	156.09	4	26.61	4	12.56
MT061104	Harrington/MT970229	4	67.45	4	50.55	4	67.41	4	153.69	4	28.42	4	13.01
MT061169	MT960101/Coors 37	4	75.06	4	49.27	4	56.46	4	155.68	4	26.86	4	13.14
MT061134	Kendal/Conlon	3	73.41	3	49.19	3	65.62	3	155.39	3	28.81	3	13.06
MT061201	MT970110/LK232	3	75.49	3	49.78	3	63.72	3	152.9	3	30.05	3	13.71
MT070086	MT970148/Coors37	3	65.12	3	48.04	3	59.03	3	157.72	3	21.32	3	12.33
MT070111	MT010178/Harrington	3	71.15	3	49.31	3	53.32	3	156.1	3	27.86	3	12.77
MT070125	MT981210/MT970116	3	74.89	3	50.45	3	62.04	3	156.5	3	29.04	3	12.72
MT070148	MT990172/Metcalfe	3	69.35	3	49.98	3	66.56	3	155.11	3	26.27	3	12.82
MT070158	MT970148/Klages	3	70.03	3	50.09	3	66.18	3	156.6	3	25.91	3	12.82
MT070159	MT970148/Klages	3	77.2	3	49.96	3	65.35	3	154.6	3	26.34	3	12.76
MT070161	MT970148/Klages	3	73.37	3	50.07	3	64.88	3	155.48	3	26.13	3	12.96
MT070175	LK644///Hockett F5	3	75.08	3	49.74	3	62.66	3	154.39	3	29.36	3	12.47
EM090117	03013-25	2	68.58	2	48.54	2	66.8	2	159.47	2	24.49	2	12.95
EM090128	03021-03	2	68.24	2	47.55	2	41.28	2	158.67	2	23.1	2	12.46
COPELAND	Copeland	2	67.63	2	47.52	2	58.81	2	155.99	2	28.61	2	12.82
MT070136	MT010178/MT970148	2	69.31	2	49.37	2	61.95	2	156.27	2	29.44	2	13.8
MT080081	Coors/Metcalfe	2	66.19	2	46.61	2	59.7	2	158.7	2	23.79	2	12.22
MT080083	Coors/Metcalfe	2	66.81	2	47.65	2	64.11	2	158.85	2	23.41	2	13.22
MT080085	Coors/Metcalfe	2	67.53	2	49.86	2	49.22	2	157.47	2	25.7	2	13.33
MT080100	Karma	2	34.98	2	45.21	2	62.85	2	154.32	2	28.55	2	16.81
MT080243	MT960101/MT981210	2	69.54	2	48.75	2	55.17	2	157.18	2	29.09	2	12.54
MT080261	MT970026/MT981091	2	63.56	2	50.97	2	59.72	2	152.54	2	27.16	2	12.98
MT080279	MT970148/MT970116	2	74.59	2	48.82	2	62.19	2	155.99	2	26.56	2	12.66
MT080281	MT970148/MT970116	2	72.66	2	48.29	2	62.64	2	156.26	2	24.98	2	12.23
MT080285	MT970148/MT970116	2	80.12	2	49.81	2	68.14	2	156	2	26.52	2	12.38
PI643354	Pinnacle	2	71.5	2	50.22	2	75.35	2	152.82	2	28.84	2	11.81
SCARLETT	Scarlett	2	61.36	2	47.31	2	61.45	2	158.98	2	23.16	2	12.81
MT070174	LK644///Hockett F5	2	62.92	2	51.52	2	77.83	2	154.48	2	27.04	2	12.4
EM090105	05032-068	1	76.14	1	46.08	1	78.66	1	153.89	1	27.28	1	12.73
EM090081	05037-079	1	67.75	1	47.9	1	61.02	1	159.15	1	27.75	1	12.83
MT090169	MT910189*/LK644/EslickBC3F43G3	1	81.28	1	50.01	1	79.24	1	152.7	1	29.68	1	12.61
MT090176	MT910189*/LK644/EslickBC3F33-G	1	65.18	1	49.02	1	66.61	1	158.85	1	26.63	1	11.84
MT090178	MT910189*/LK644/EslickBC3F33-G	1	64.27	1	50.45	1	95.3	1	158.56	1	28.43	1	11.27
MT090180	MT910189*/LK644/EslickBC3F33-G	1	69.31	1	48.47	1	79.92	1	156.21	1	29.48	1	11.85
MT090181	MT910189*/LK644/EslickBC3F33-G	1	80.7	1	50.72	1	93.36	1	154.46	1	29.98	1	12.6
MT090182	MT910189*/LK644/EslickBC3F33-G	1	73.08	1	48.8	1	75.86	1	155.92	1	30.54	1	12.31
MT090183	MT910189*/LK644/EslickBC3F33-G	1	81.88	1	49.86	1	94.9	1	155.35	1	31.17	1	11.82
MT090184	MT910189*/LK644/EslickBC3F33-G	1	73.89	1	50.74	1	89.9	1	155.6	1	29.78	1	12.16
MT090186	MT910189*/LK644/EslickBC3F33-G	1	71.93	1	49.21	1	81.89	1	158.82	1	26.68	1	12.35
MT090188	MT910189*/LK644/EslickBC3F33-G	1	76.89	1	50.83	1	96.83	1	156.78	1	30.34	1	11.67

Huntley

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090190	MT910189*/LK644/EslickBC3F33-G	1	70.43	1	49.24	1	83.92	1	156.21	1	27.31	1	11.59
MT090191	MT910189*/LK644/EslickBC3F33-G	1	71.94	1	50.68	1	86.9	1	155.93	1	30.36	1	12.03
MT090192	MT910189*/LK644/EslickBC3F33-G	1	76.51	1	50.88	1	94.95	1	156.51	1	28.65	1	11.45
MT090193	MT910189*/LK644/EslickBC3F33-G	1	82.57	1	49.96	1	95.56	1	155.9	1	30.84	1	12.3
MT090194	MT910189*/LK644/EslickBC3F33-G	1	76.05	1	49.56	1	88.77	1	155.63	1	31.56	1	12.39
MT090202	MT910189*/LK644/EslickBC3F37-I	1	66.05	1	51.11	1	102.22	1	155.32	1	29.64	1	11.32
MT090227	MT910189*/LK644/EslickBC3F37-L	1	66.08	1	49.66	1	87.48	1	155.34	1	30.08	1	12.58
MT090229	MT910189*/LK644/EslickBC3F37-L	1	76.64	1	49.41	1	83.71	1	154.16	1	28.64	1	11.72
AVERAGE		10	64.76	10	49.19	10	62.05	9	154.84	10	27.75	10	13.16

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	26.61	61.64	53.26	75.21	62.61	93.50	75.84	58.40	86.85	59.70	10	65.36
6B952482	Tradition	23.93	52.39	45.21	67.93	60.88	77.30	66.37	61.18	88.42	59.42	10	60.3
MT910189	Hockett	23.83	60.25	46.23	70.85	55.43	90.60	82.54	67.60	88.34	65.57	10	65.12
MT970116	Craft	29.42	63.12	51.05	69.45	55.78	84.10	85.23	73.04	84.95	57.08	10	65.32
PI568246	Baronesse	23.08	61.67	48.02	65.27	67.34	96.10	90.62	84.11	102.77	71.82	10	71.08
MT010158	Amsterdam	0.00	53.63	40.70	70.86	61.76	81.60	69.61	70.82	87.92	59.63	9	62.18
MT010160	MT920041/Harrington	0.00	62.52	44.94	65.96	62.23	83.70	85.38	76.04	89.44	60.88	9	65.79
MT960101	Geraldine	9.59	50.30	0.00	59.58	60.55	82.70	73.41	62.98	95.82	69.03	9	61.4
SK 76333	Harrington	11.56	53.47	37.16	62.27	52.41	80.70	0.00	52.05	82.45	60.42	9	55.71
2B965057	Conrad	0.00	0.00	49.43	67.99	64.41	91.90	89.68	81.60	86.53	63.70	8	68.82
MT020155	MT960225/H1851195	0.00	0.00	57.19	75.90	67.94	86.20	84.44	68.41	97.32	78.64	8	71.22
MT020162	MT960225/H1851195	0.00	0.00	45.30	82.95	60.23	87.70	85.31	66.78	83.70	59.83	8	66.11
MT030042	MT910189/MT960099	0.00	0.00	0.00	65.62	62.43	84.30	97.42	63.22	96.38	62.43	7	67.88
YU501385	Champion	0.00	0.00	0.00	83.89	62.17	82.70	82.58	73.13	0.00	72.17	6	70.19
TR232	Metcalfe	0.00	0.00	40.53	0.00	0.00	84.20	0.00	58.26	87.35	56.44	5	60.73
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	88.89	77.68	101.72	73.93	4	79.66
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	80.04	52.86	88.01	68.85	4	67.45
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	88.08	74.49	88.20	71.67	4	75.06
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	77.88	63.68	0.00	76.26	3	73.41
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	88.19	68.12	0.00	67.68	3	75.49
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.66	84.79	57.75	3	65.12
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.27	88.36	62.46	3	71.15
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.69	91.94	63.20	3	74.89
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.29	90.24	60.92	3	69.35
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.96	93.59	69.03	3	70.03
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.74	94.31	70.03	3	77.2
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.19	90.98	63.88	3	73.37
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.35	82.82	72.24	3	75.08
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.51	67.25	2	68.58
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.91	65.09	2	68.24
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.56	60.08	2	67.63
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.43	0.00	66.80	2	69.31
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.02	63.39	2	66.19
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.38	60.42	2	66.81
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.34	58.08	2	67.53
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.03	37.39	2	34.98
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.39	66.52	2	69.54
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.30	66.22	2	63.56
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.35	71.90	2	74.59
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.04	67.87	2	72.66
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.42	71.21	2	80.12
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.87	70.45	2	71.5
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.42	57.15	2	61.36
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.79	0.00	60.90	2	62.92
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.54	1	76.14
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.88	1	67.75
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.24	1	81.28
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.53	1	65.18
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.70	1	64.27
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.31	1	69.31
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.71	1	80.7
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.75	1	73.08
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.79	1	81.88
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.49	1	73.89
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.70	1	71.93
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.23	1	76.89

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.33	1	70.43
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.71	1	71.94
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.88	1	76.51
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.42	1	82.57
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.46	1	76.05
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.33	1	66.05
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.36	1	66.08
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	1	76.64
AVERAGE		21.15	57.67	46.58	70.27	61.15	85.82	82.86	67.86	88.79	65.42	10	64.76

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	43.00	53.90	54.02	48.89	53.80	54.40	53.59	51.58	52.06	49.93	10	51.52
6B952482	Tradition	37.80	51.44	50.27	44.53	50.03	50.50	50.94	50.15	48.47	47.79	10	48.19
MT910189	Hockett	39.30	53.15	53.66	46.69	49.45	52.50	52.85	51.14	52.01	48.46	10	49.92
MT970116	Craft	40.80	52.78	54.74	47.14	50.71	53.00	52.87	50.82	52.10	51.65	10	50.66
PI568246	Baronesse	37.80	51.24	53.80	43.62	48.89	52.60	48.61	50.97	49.93	46.81	10	48.43
MT010158	Amsterdam	0.00	52.70	52.56	47.67	49.48	52.60	51.93	50.53	51.13	47.91	9	49.81
MT010160	MT920041/Harrington	0.00	51.66	52.43	44.75	49.56	52.90	50.99	51.08	51.71	48.20	9	49.46
MT960101	Geraldine	38.90	50.36	0.00	43.95	46.92	50.10	46.28	50.18	51.04	45.49	9	47.28
SK 76333	Harrington	37.40	51.06	51.84	43.34	47.34	50.40	0.00	48.89	50.89	44.16	9	47.47
2B965057	Conrad	0.00	0.00	52.87	44.50	47.90	52.70	50.87	50.48	51.01	46.63	8	48.89
MT020155	MT960225/H1851195	0.00	0.00	51.40	47.55	49.71	51.80	50.82	50.02	50.31	49.23	8	49.37
MT020162	MT960225/H1851195	0.00	0.00	54.03	48.75	48.60	51.80	52.01	50.71	51.19	45.76	8	49.62
MT030042	MT910189/MT960099	0.00	0.00	0.00	48.26	50.72	53.70	53.36	51.55	52.76	47.99	7	50.68
YU501385	Champion	0.00	0.00	0.00	48.34	50.71	53.10	53.52	51.06	0.00	51.24	6	50.82
TR232	Metcalfe	0.00	0.00	53.47	0.00	0.00	50.80	0.00	49.62	49.97	44.22	5	48.78
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	47.70	50.22	49.56	45.55	4	48
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	51.56	50.75	51.93	49.03	4	50.55
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	50.81	50.44	51.46	45.41	4	49.27
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	49.79	49.87	0.00	48.42	3	49.19
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	51.65	51.11	0.00	47.10	3	49.78
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.20	48.39	45.62	3	48.04
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.40	50.85	45.75	3	49.31
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.58	51.95	47.86	3	50.45
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.96	51.07	46.97	3	49.98
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.49	50.86	47.98	3	50.09
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.67	50.64	47.62	3	49.96
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.62	50.98	47.67	3	50.07
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.06	50.04	48.17	3	49.74
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.08	47.01	2	48.54
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.64	45.49	2	47.55
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.68	44.40	2	47.52
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.41	0.00	46.87	2	49.37
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.89	43.38	2	46.61
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.31	45.02	2	47.65
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	46.71	2	49.86
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.12	30.38	2	45.21
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	46.01	2	48.75
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.69	49.22	2	50.97
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.32	46.34	2	48.82
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.15	45.45	2	48.29
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.04	48.58	2	49.81
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.70	48.72	2	50.22
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.68	43.98	2	47.31
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.09	0.00	51.42	2	51.52
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.66	1	46.08
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.42	1	47.9
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.47	1	50.01
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.51	1	49.02
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.90	1	50.45
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.98	1	48.47
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.16	1	50.72
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.30	1	48.8
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.32	1	49.86
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.18	1	50.74

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.69	1	49.21
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.26	1	50.83
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.72	1	49.24
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.12	1	50.68
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.31	1	50.88
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.42	1	49.96
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.03	1	49.56
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.54	1	51.11
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.13	1	49.66
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.89	1	49.41
AVERAGE		39.29	52.03	52.92	46.28	49.56	52.19	51.12	50.49	50.82	47.18	10	49.19

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	0.90	31.72	92.47	40.72	25.29	79.90	82.63	93.21	90.97	46.26	10	58.41
6B952482	Tradition	0.97	58.50	88.13	22.89	29.91	88.00	79.30	96.46	89.51	47.59	10	60.13
MT910189	Hockett	0.37	76.87	96.50	50.68	25.39	89.00	94.26	96.60	94.59	64.38	10	68.86
MT970116	Craft	0.73	60.61	97.37	44.17	26.73	88.20	89.57	95.60	93.46	74.73	10	67.12
PI568246	Baronesse	0.20	40.36	95.33	21.47	24.03	84.00	64.73	96.03	86.08	54.82	10	56.71
MT010158	Amsterdam	0.00	56.48	89.07	83.05	25.01	91.90	89.13	95.12	93.28	73.82	9	69.79
MT010160	MT920041/Harrington	0.00	52.65	87.33	47.05	28.01	86.20	83.35	94.87	92.22	65.04	9	63.77
MT960101	Geraldine	0.53	17.60	0.00	26.82	24.12	55.40	37.90	89.93	83.16	31.88	9	43.64
SK 76333	Harrington	0.93	55.61	81.57	45.52	23.54	86.50	0.00	91.13	91.77	50.78	9	61.42
2B965057	Conrad	0.00	0.00	92.30	56.96	24.07	93.60	89.84	95.99	94.14	74.98	8	65.87
MT020155	MT960225/H1851195	0.00	0.00	81.73	50.13	26.42	85.70	82.16	94.35	89.54	75.56	8	62.02
MT020162	MT960225/H1851195	0.00	0.00	96.97	60.13	24.57	78.50	82.49	94.06	90.24	43.22	8	60.39
MT030042	MT910189/MT960099	0.00	0.00	0.00	39.35	23.52	80.60	81.23	89.64	89.14	30.68	7	55.25
YU501385	Champion	0.00	0.00	0.00	44.92	26.07	76.60	86.48	95.88	0.00	70.58	6	63.57
TR232	Metcalfe	0.00	0.00	95.13	0.00	0.00	85.30	0.00	92.12	90.91	32.29	5	57.38
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	65.33	95.06	81.97	42.30	4	53.11
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	90.88	96.30	94.95	79.22	4	67.41
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	80.09	90.88	91.01	40.64	4	56.46
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	82.53	97.14	0.00	69.85	3	65.62
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	81.18	97.27	0.00	63.85	3	63.72
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.01	75.78	65.09	3	59.03
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.21	90.12	30.03	3	53.32
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.28	92.43	57.05	3	62.04
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.83	94.21	71.58	3	66.56
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.28	94.05	72.79	3	66.18
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	92.29	70.06	3	65.35
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.21	95.24	66.53	3	64.88
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	87.61	64.12	3	62.66
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.82	73.13	2	66.8
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.27	33.72	2	41.28
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.43	44.74	2	58.81
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.28	0.00	51.64	2	61.95
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.06	58.20	2	59.7
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.38	65.24	2	64.11
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.19	29.45	2	49.22
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.13	69.53	2	62.85
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.15	45.47	2	55.17
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.25	52.06	2	59.72
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.88	57.25	2	62.19
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.85	56.32	2	62.64
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.52	69.57	2	68.14
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.33	82.70	2	75.35
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.17	56.22	2	61.45
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.84	0.00	90.00	2	77.83
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.30	1	78.66
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.33	1	61.02
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.76	1	79.24
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.76	1	66.61
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.48	1	95.3
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.30	1	79.92
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.94	1	93.36
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.08	1	75.86
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.16	1	94.9
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.20	1	89.9

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.86	1	81.89
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.69	1	96.83
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.47	1	83.92
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.83	1	86.9
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.20	1	94.95
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.69	1	95.56
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.31	1	88.77
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.96	1	102.22
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.29	1	87.48
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.30	1	83.71
AVERAGE		0.66	50.04	91.16	45.28	25.48	83.29	80.17	94.45	88.62	61.33	10	62.05

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ID	PEDIGREE	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	178.34	175.17	172.11	13.71	162.40	172.33	168.30	166.99	175.69	9	153.89
6B952482	Tradition	165.36	170.15	170.13	9.03	160.20	169.69	167.66	165.96	175.34	9	150.39
MT010158	Amsterdam	178.94	174.12	174.57	11.68	163.50	172.26	171.32	168.70	176.98	9	154.67
MT010160	MT920041/Harrington	177.72	172.69	173.32	13.31	166.00	172.03	170.66	168.65	178.31	9	154.74
MT910189	Hockett	179.00	176.10	173.24	9.90	163.90	170.71	169.67	165.33	175.63	9	153.72
MT970116	Craft	176.97	172.70	171.98	10.43	162.80	170.67	167.30	165.00	175.65	9	152.61
PI568246	Baronesse	179.71	180.60	181.10	12.55	167.40	173.41	172.35	170.67	180.01	9	157.53
2B965057	Conrad	0.00	179.76	181.65	13.51	167.10	173.33	171.30	168.36	179.01	8	157.38
MT020155	MT960225/H1851195	0.00	168.78	168.90	5.72	160.80	169.41	164.73	166.98	173.66	8	150.36
MT020162	MT960225/H1851195	0.00	174.09	174.29	18.28	166.60	172.79	171.35	170.35	179.69	8	156.54
MT960101	Geraldine	180.31	0.00	182.95	29.51	170.20	174.11	173.43	171.32	179.02	8	160.38
SK 76333	Harrington	178.95	171.32	174.90	14.50	165.40	0.00	171.98	169.29	178.34	8	155.41
MT030042	MT910189/MT960099	0.00	0.00	174.85	14.65	166.20	172.27	169.05	168.30	176.01	7	155.36
YU501385	Champion	0.00	0.00	173.42	15.55	167.00	172.05	168.97	0.00	176.68	6	155.52
TR232	Metcalfe	0.00	173.88	0.00	0.00	162.40	0.00	166.97	167.65	177.66	5	153.9
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	172.99	171.40	168.98	179.68	4	156.09
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	171.05	168.68	167.68	174.98	4	153.69
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	172.93	171.02	170.29	176.99	4	155.68
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	171.98	171.40	0.00	177.97	3	155.39
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	170.05	166.95	0.00	175.99	3	152.9
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	174.33	168.69	180.66	3	157.72
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	169.62	169.66	179.02	3	156.1
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	171.30	170.00	178.35	3	156.5
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	169.35	168.67	176.99	3	155.11
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	172.00	170.65	177.33	3	156.6
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	170.04	166.65	176.65	3	154.6
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	169.94	169.33	176.99	3	155.48
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	169.00	167.96	175.68	3	154.39
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.07	183.02	2	159.47
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.32	181.00	2	158.67
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.65	179.69	2	155.99
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	170.34	0.00	178.97	2	156.27
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.35	182.03	2	158.7
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.72	182.00	2	158.85
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.32	179.33	2	157.47
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.64	175.00	2	154.32
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.98	181.01	2	157.18
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.68	173.99	2	152.54
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.35	176.00	2	155.99
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.95	177.01	2	156.26
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.04	178.34	2	156
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.01	174.29	2	152.82
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.00	182.00	2	158.98
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	170.00	0.00	175.31	2	154.48
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.69	1	153.89
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.69	1	159.15
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.33	1	152.7
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.35	1	158.85
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.02	1	158.56
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.33	1	156.21
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.34	1	154.46
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.00	1	155.92
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.35	1	155.35
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.64	1	155.6
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.32	1	158.82
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.99	1	156.78

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ID	PEDIGREE	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.33	1	156.21
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.02	1	155.93
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.68	1	156.51
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.98	1	155.9
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.67	1	155.63
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.32	1	155.32
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.34	1	155.34
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.00	1	154.16
AVERAGE		177.26	174.11	174.81	13.74	164.79	171.89	170.01	169.00	177.93	9	154.84

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	22.04	27.40	19.58	36.35	8.08	31.50	34.98	32.46	36.72	31.87	10	28.1
6B952482	Tradition	21.72	29.48	19.68	40.63	8.01	33.30	35.14	34.97	37.85	34.27	10	29.5
MT910189	Hockett	22.30	25.91	17.09	38.40	8.71	31.00	34.83	32.83	36.09	33.25	10	28.04
MT970116	Craft	25.55	29.83	21.74	41.74	8.23	33.00	37.38	34.78	38.30	30.90	10	30.14
PI568246	Baronesse	20.68	23.43	15.60	35.05	8.29	32.50	34.11	29.78	34.91	30.85	10	26.52
MT010158	Amsterdam	0.00	23.68	17.49	37.34	8.33	30.20	34.74	31.78	33.85	32.52	9	27.12
MT010160	MT920041/Harrington	0.00	27.49	20.04	37.10	8.57	34.10	35.66	34.17	38.04	33.28	9	29.13
MT960101	Geraldine	21.33	22.14	0.00	32.14	8.43	31.20	30.79	29.30	35.13	30.55	9	25.91
SK 76333	Harrington	21.10	25.78	18.37	32.86	8.56	32.90	0.00	31.40	34.36	33.66	9	27.3
2B965057	Conrad	0.00	0.00	17.70	34.73	8.38	28.90	34.62	29.79	33.92	29.97	8	26.46
MT020155	MT960225/H1851195	0.00	0.00	19.42	41.42	8.80	32.50	37.47	33.71	38.32	35.93	8	30.04
MT020162	MT960225/H1851195	0.00	0.00	21.96	37.76	8.31	32.60	35.38	32.20	35.17	33.60	8	28.76
MT030042	MT910189/MT960099	0.00	0.00	0.00	36.87	8.66	29.80	35.06	28.31	32.99	32.16	7	27.02
YU501385	Champion	0.00	0.00	0.00	39.80	8.39	30.30	35.00	31.49	0.00	28.95	6	27.89
TR232	Metcalfe	0.00	0.00	18.74	0.00	0.00	32.80	0.00	30.11	35.12	35.05	5	28.04
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	34.45	29.72	33.95	30.72	4	26.61
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	36.04	31.39	37.79	32.38	4	28.42
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	33.83	29.30	33.98	32.92	4	26.86
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	34.08	31.99	0.00	35.74	3	28.81
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	37.03	35.52	0.00	33.67	3	30.05
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.98	25.98	24.70	3	21.32
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.43	34.47	34.28	3	27.86
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.74	37.13	33.57	3	29.04
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.56	35.63	28.30	3	26.27
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.09	33.20	31.88	3	25.91
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.04	32.65	32.03	3	26.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.90	33.60	30.46	3	26.13
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.72	37.90	34.98	3	29.36
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.28	29.50	2	24.49
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.14	27.24	2	23.1
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.34	31.50	2	28.61
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.69	0.00	36.71	2	29.44
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.96	27.11	2	23.79
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.35	26.80	2	23.41
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.93	29.81	2	25.7
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.78	30.92	2	28.55
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.81	34.19	2	29.09
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.56	31.74	2	27.16
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.82	32.02	2	26.56
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.61	29.37	2	24.98
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.32	33.43	2	26.52
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.95	33.45	2	28.84
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.27	27.27	2	23.16
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	31.91	2	27.04
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.94	1	27.28
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.47	1	27.75
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.67	1	29.68
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.20	1	26.63
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.25	1	28.43
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.44	1	29.48
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.00	1	29.98
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.64	1	30.54
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.36	1	31.17
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.78	1	29.78

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.26	1	26.68
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.41	1	30.34
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.98	1	27.31
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.43	1	30.36
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.50	1	28.65
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.98	1	30.84
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.80	1	31.56
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.62	1	29.64
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.12	1	30.08
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.48	1	28.64
AVERAGE		22.10	26.13	18.95	37.30	8.41	31.77	35.03	31.27	34.39	32.17	10	27.75

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	18.40	19.40	10.90	14.90	12.40	9.00	11.37	10.69	10.09	12.57	10	12.97
6B952482	Tradition	17.80	18.30	12.50	16.70	12.20	9.50	10.72	10.89	9.90	11.73	10	13.02
MT910189	Hockett	18.80	18.80	11.50	14.60	12.70	9.50	12.44	10.33	9.98	12.66	10	13.13
MT970116	Craft	18.50	17.90	11.20	16.20	13.00	9.30	12.28	10.75	10.28	11.70	10	13.11
PI568246	Baronesse	19.00	19.80	12.40	17.50	12.90	9.60	13.43	10.06	9.08	12.92	10	13.67
MT010158	Amsterdam	0.00	18.90	12.60	15.60	13.50	10.20	13.37	11.98	10.29	13.12	9	13.93
MT010160	MT920041/Harrington	0.00	17.40	12.20	16.10	12.80	9.40	12.13	11.37	9.68	12.44	9	13.23
MT960101	Geraldine	17.40	17.50	0.00	16.70	13.10	9.60	12.69	9.37	9.76	13.81	9	13.09
SK 76333	Harrington	18.80	18.50	12.50	15.90	13.10	9.70	0.00	10.68	10.12	12.99	9	13.4
2B965057	Conrad	0.00	0.00	13.10	16.60	14.10	10.10	11.15	11.17	9.67	12.89	8	13.94
MT020155	MT960225/H1851195	0.00	0.00	9.70	14.20	12.20	9.30	11.69	10.80	9.87	11.49	8	12.6
MT020162	MT960225/H1851195	0.00	0.00	12.20	15.10	13.00	9.60	11.69	11.02	9.99	13.48	8	13.56
MT030042	MT910189/MT960099	0.00	0.00	0.00	13.70	11.90	8.80	12.42	9.76	9.15	12.32	7	12.5
YU501385	Champion	0.00	0.00	0.00	14.80	12.20	9.20	11.58	10.43	0.00	10.98	6	12.65
TR232	Metcalfe	0.00	0.00	12.70	0.00	0.00	9.70	0.00	10.85	9.89	14.48	5	14.04
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	12.38	9.58	9.09	12.24	4	12.56
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	12.29	10.74	9.97	11.85	4	13.01
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	11.12	11.18	9.54	13.47	4	13.14
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	12.15	10.35	0.00	12.37	3	13.06
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	11.97	11.57	0.00	13.05	3	13.71
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	9.31	12.39	3	12.33
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.43	9.33	13.07	3	12.77
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.17	9.89	12.63	3	12.72
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.42	10.30	12.25	3	12.82
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.17	9.71	13.09	3	12.82
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.69	9.53	12.58	3	12.76
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.86	9.60	12.87	3	12.96
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.33	9.60	12.14	3	12.47
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.91	12.72	2	12.95
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.81	11.96	2	12.46
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.56	12.83	2	12.82
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.57	0.00	14.18	2	13.8
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.74	11.61	2	12.22
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.76	13.33	2	13.22
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.75	13.54	2	13.33
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.68	14.69	2	16.81
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.49	12.42	2	12.54
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.04	12.64	2	12.98
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.14	12.98	2	12.66
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.17	12.20	2	12.23
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	12.23	2	12.38
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.14	11.49	2	11.81
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	12.17	2	12.81
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.79	0.00	11.44	2	12.4
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.34	1	12.73
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.43	1	12.83
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.22	1	12.61
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.47	1	11.84
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.92	1	11.27
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.48	1	11.85
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.21	1	12.6
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.93	1	12.31
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	1	11.82
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.78	1	12.16

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.97	1	12.35
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.31	1	11.67
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.23	1	11.59
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.66	1	12.03
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	1	11.45
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.92	1	12.3
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.01	1	12.39
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.97	1	11.32
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.19	1	12.58
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.36	1	11.72
AVERAGE		18.39	18.50	11.96	15.61	12.79	9.50	12.05	10.60	9.83	12.34	10	13.16

Huntley

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	110.63	9	53.04	9	89.81	9	170.38	9	37.48	9	11.49
6B952482	Tradition	9	109.11	9	50.25	9	88.88	9	167.79	9	39.51	9	11.96
MT910189	Hockett	9	112.25	9	52.21	9	88.51	9	169.18	9	36.43	9	11.93
MT970116	Craft	9	107.49	9	52.37	9	90.67	9	169.31	9	39.14	9	11.87
PI568246	Baronesse	9	124.88	9	51.42	9	84.67	9	172.72	9	35.42	9	11.46
MT010158	Amsterdam	8	110.45	8	52.09	8	89.85	8	170.82	8	36.53	8	12.01
MT010160	MT920041/Harrington	8	110.2	8	52.02	8	84.81	8	171.5	8	38.26	8	11.98
MT960101	Geraldine	8	112.46	8	51.47	8	81.24	8	174.48	8	35.37	8	11.31
SK 76333	Harrington	8	104.96	8	50.42	8	84.05	8	172.7	8	37.21	8	11.84
2B965057	Conrad	7	118.97	7	51.66	7	89.53	7	172.1	7	36.61	7	12.18
MT020155	MT960225/H1851195	7	125.23	7	51.66	7	86.04	7	167.36	7	38.81	7	11.89
MT020162	MT960225/H1851195	7	121.35	7	52.07	7	87.66	7	172.36	7	38.04	7	12.15
MT030042	MT910189/MT960099	6	122.98	6	53.47	6	85.77	6	170.52	6	36.32	6	10.96
YU501385	Champion	5	138.09	5	52.71	5	89.37	5	171.02	5	38.76	5	11.96
TR232	Metcalfe	5	110.41	5	51.43	5	88.03	5	171.29	5	37.87	5	11.88
MT061035	Baronesse/MT981210	4	141.12	4	51.39	4	85.41	4	172.52	4	37.13	4	11.27
MT061104	Harrington/MT970229	4	114.05	4	52.57	4	93.01	4	169.08	4	39.51	4	11.95
MT061169	MT960101/Coors 37	4	125.56	4	51.75	4	87.56	4	172.46	4	36.44	4	11.86
MT061134	Kendal/Conlon	3	132.6	3	51.21	3	89.46	3	170.2	3	40.84	3	12.59
MT061201	MT970110/LK232	3	108.75	3	51.61	3	88.11	3	169.36	3	41.78	3	12.57
MT070086	MT970148/Coors37	3	138.67	3	50.68	3	84.96	3	174.52	3	28.34	3	10.68
MT070111	MT010178/Harrington	3	117.74	3	52.12	3	82.63	3	171.99	3	38	3	10.94
MT070125	MT981210/MT970116	3	116.25	3	52.21	3	85.42	3	171.83	3	37.98	3	11.19
MT070148	MT990172/Metcalfe	3	124.11	3	52.84	3	94.08	3	169.95	3	37.02	3	11.7
MT070158	MT970148/Klages	3	135.02	3	52.19	3	89.96	3	170.58	3	36.56	3	11.24
MT070159	MT970148/Klages	3	136.31	3	51.5	3	88.19	3	170.61	3	36.08	3	11.34
MT070161	MT970148/Klages	3	138.29	3	52.19	3	90.21	3	170.11	3	34.82	3	11.2
MT070175	LK644///Hockett F5	3	124.33	3	51.46	3	89.06	3	171.2	3	39.77	3	10.13
EM090117	03013-25	2	122.74	2	50.94	2	84.36	2	176.31	2	34.97	2	11.57
EM090128	03021-03	2	123.04	2	51.52	2	79.55	2	175.22	2	34.27	2	11.26
COPELAND	Copeland	2	122.24	2	50.56	2	85.1	2	172.41	2	42.26	2	10.73
MT070136	MT010178/MT970148	2	114.6	2	51.98	2	87.04	2	172.55	2	37.25	2	11.48
MT080081	Coors/Metcalfe	2	117.28	2	51.77	2	92.14	2	174.78	2	36.4	2	11.55
MT080083	Coors/Metcalfe	2	114.73	2	51.52	2	92.23	2	174.26	2	35.22	2	11.3
MT080085	Coors/Metcalfe	2	120.17	2	53.61	2	87.77	2	173.81	2	36.64	2	11.01
MT080100	Karma	2	46.55	2	61.49	2	77.12	2	170.42	2	38.05	2	14.9
MT080243	MT960101/MT981210	2	117.72	2	50.99	2	79.2	2	172.09	2	41.7	2	11.32
MT080261	MT970026/MT981091	2	111.22	2	51.01	2	76.15	2	168.77	2	36.47	2	11.99
MT080279	MT970148/MT970116	2	133.66	2	51.2	2	86.49	2	170.59	2	35.85	2	11.01
MT080281	MT970148/MT970116	2	127.66	2	51.4	2	89.38	2	171.01	2	34.55	2	10.74
MT080285	MT970148/MT970116	2	128.17	2	52.64	2	95.48	2	170.53	2	35.53	2	10.84
PI643354	Pinnacle	2	97.65	2	51.61	2	94.66	2	167.66	2	39.72	2	9.6
MT070174	LK644///Hockett F5	2	100.27	2	52.65	2	96.05	2	168.51	2	37.81	2	11.08
EM090105	05032-068	1	120.64	1	47.24	1	68.66	1	171.02	1	43.63	1	10.83
EM090081	05037-079	1	129.19	1	51.17	1	74.15	1	173.3	1	40.38	1	11.79
MT090169	MT910189*/LK644/EslickBC3F43G3	1	118.34	1	50.64	1	77.78	1	170.3	1	43.75	1	9.58
MT090176	MT910189*/LK644/EslickBC3F33-G	1	92.02	1	50.7	1	74.42	1	172.09	1	45.53	1	10.08
MT090178	MT910189*/LK644/EslickBC3F33-G	1	94.46	1	51.47	1	79.01	1	173.4	1	45.23	1	10.05
MT090180	MT910189*/LK644/EslickBC3F33-G	1	105.44	1	49.37	1	65.17	1	171.81	1	42.02	1	10.65
MT090181	MT910189*/LK644/EslickBC3F33-G	1	106.03	1	50.15	1	81.71	1	171.35	1	43.59	1	10.22
MT090182	MT910189*/LK644/EslickBC3F33-G	1	101.99	1	49.4	1	67.28	1	171.48	1	43.49	1	10.59
MT090183	MT910189*/LK644/EslickBC3F33-G	1	92.88	1	49.05	1	72.98	1	172.01	1	41.07	1	10.51
MT090184	MT910189*/LK644/EslickBC3F33-G	1	100.9	1	50.64	1	72.65	1	173.92	1	42.38	1	10.57
MT090186	MT910189*/LK644/EslickBC3F33-G	1	98.81	1	51.69	1	76.14	1	173.91	1	42.22	1	10.2
MT090188	MT910189*/LK644/EslickBC3F33-G	1	95.73	1	50.93	1	78.16	1	172.94	1	44.18	1	10.31
MT090190	MT910189*/LK644/EslickBC3F33-G	1	106.59	1	50.45	1	76.27	1	172.77	1	42.42	1	10.33

Huntley

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090191	MT910189*/LK644/EslickBC3F33-G	1	94.55	1	51.63	1	74.89	1	172.88	1	40.2	1	10.49
MT090192	MT910189*/LK644/EslickBC3F33-G	1	102.87	1	51.48	1	79.4	1	172.43	1	39.4	1	10.02
MT090193	MT910189*/LK644/EslickBC3F33-G	1	108.98	1	50.26	1	79.51	1	172.09	1	45.17	1	10.5
MT090194	MT910189*/LK644/EslickBC3F33-G	1	110.96	1	49.94	1	81.35	1	172.65	1	42.98	1	10.57
MT090202	MT910189*/LK644/EslickBC3F37-I	1	99.69	1	51.82	1	93.79	1	170.7	1	41.33	1	10.05
MT090227	MT910189*/LK644/EslickBC3F37-L	1	104.58	1	50.05	1	84.63	1	172.08	1	42.11	1	9.55
MT090229	MT910189*/LK644/EslickBC3F37-L	1	126.29	1	49.89	1	83.54	1	170.8	1	43.85	1	9.33
SCARLETT	Scarlett	1	122.3	1	52.75	1	94.75	1	177.17	1	30.88	1	11.06
AVERAGE		9	113.11	9	51.68	9	87.5	9	170.91	9	37.03	9	11.73

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	164.56	133.33	137.98	85.23	123.80	103.21	72.10	115.22	60.27	9	110.63
6B952482	Tradition	135.72	119.75	146.04	98.39	104.80	130.64	63.50	116.56	66.60	9	109.11
MT910189	Hockett	161.83	141.84	121.10	97.61	112.70	128.88	73.00	116.46	56.80	9	112.25
MT970116	Craft	154.82	120.93	136.49	89.93	124.60	96.95	79.00	109.74	54.94	9	107.49
PI568246	Baronesse	141.59	137.40	153.72	94.01	142.30	136.39	105.40	132.02	81.07	9	124.88
MT010158	Amsterdam	0.00	136.25	111.84	105.77	121.70	102.45	83.60	115.55	52.62	8	110.45
MT010160	MT920041/Harrington	0.00	130.72	134.99	92.55	118.40	99.57	79.30	119.50	52.87	8	110.2
MT960101	Geraldine	142.12	116.03	0.00	89.86	120.50	115.49	87.10	126.03	74.75	8	112.46
SK 76333	Harrington	135.92	124.18	128.99	85.76	113.10	0.00	74.50	124.85	59.43	8	104.96
2B965057	Conrad	0.00	0.00	125.90	93.99	125.00	119.57	85.70	130.05	70.19	7	118.97
MT020155	MT960225/H1851195	0.00	0.00	145.18	95.37	136.00	131.63	86.10	127.69	67.93	7	125.23
MT020162	MT960225/H1851195	0.00	0.00	137.97	97.84	134.90	127.54	86.80	120.65	59.70	7	121.35
MT030042	MT910189/MT960099	0.00	0.00	0.00	103.78	124.80	108.23	96.90	130.29	58.29	6	122.98
YU501385	Champion	0.00	0.00	0.00	110.94	151.30	126.81	92.00	0.00	73.91	5	138.09
TR232	Metcalfe	0.00	0.00	134.02	0.00	123.60	0.00	79.90	113.80	57.01	5	110.41
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	129.04	103.60	129.12	85.72	4	141.12
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	100.95	76.10	125.69	58.88	4	114.05
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	106.48	91.10	122.11	78.45	4	125.56
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	119.35	84.70	0.00	78.30	3	132.6
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	96.78	70.90	0.00	63.88	3	108.75
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	101.00	141.52	67.81	3	138.67
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	85.80	113.56	64.14	3	117.74
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	83.40	119.97	56.79	3	116.25
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	91.20	130.59	55.96	3	124.11
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	94.40	136.85	70.91	3	135.02
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	98.90	135.49	70.66	3	136.31
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	102.90	137.12	69.46	3	138.29
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	92.50	120.72	65.02	3	124.33
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.61	70.09	2	122.74
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.02	63.15	2	123.04
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.95	74.95	2	122.24
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	74.20	0.00	62.92	2	114.6
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.17	64.87	2	117.28
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.59	62.40	2	114.73
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.02	61.59	2	120.17
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.30	30.54	2	46.55
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.56	75.17	2	117.72
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.16	56.26	2	111.22
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.38	76.63	2	133.66
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131.13	71.37	2	127.66
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.55	77.75	2	128.17
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.67	46.23	2	97.65
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	71.80	0.00	48.17	2	100.27
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.72	1	120.64
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.38	1	129.19
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.47	1	118.34
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.13	1	92.02
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.46	1	94.46
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.44	1	105.44
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.76	1	106.03
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.56	1	101.99
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.60	1	92.88
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.97	1	100.9
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.83	1	98.81
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.15	1	95.73
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.07	1	106.59

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.51	1	94.55
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.04	1	102.87
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.37	1	108.98
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.45	1	110.96
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.31	1	99.69
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.97	1	104.58
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.80	1	126.29
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.37	0.00	1	122.3
AVERAGE		148.08	128.94	134.52	95.79	125.17	115.55	85.58	122.04	62.29	9	113.11

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	53.69	56.19	54.78	49.76	54.60	54.85	51.50	53.01	48.98	9	53.04
6B952482	Tradition	50.88	52.88	50.62	47.17	51.40	50.79	49.70	52.20	46.65	9	50.25
MT910189	Hockett	51.07	54.74	53.50	50.71	53.90	53.39	51.90	53.43	47.25	9	52.21
MT970116	Craft	50.76	54.28	53.96	51.10	54.30	54.19	51.40	54.03	47.27	9	52.37
PI568246	Baronesse	49.98	53.93	52.65	49.13	53.90	53.63	49.80	53.36	46.37	9	51.42
MT010158	Amsterdam	0.00	54.43	53.11	49.99	54.20	53.63	51.30	52.70	46.75	8	52.09
MT010160	MT920041/Harrington	0.00	54.06	53.18	49.46	54.10	54.17	51.60	53.07	45.87	8	52.02
MT960101	Geraldine	49.20	54.04	0.00	49.85	53.20	52.33	49.80	53.78	47.89	8	51.47
SK 76333	Harrington	49.07	52.10	52.44	45.97	52.90	0.00	51.00	52.53	45.64	8	50.42
2B965057	Conrad	0.00	0.00	52.48	49.13	53.90	53.16	51.30	53.00	44.96	7	51.66
MT020155	MT960225/H1851195	0.00	0.00	52.03	49.30	53.30	53.39	51.20	52.41	46.32	7	51.66
MT020162	MT960225/H1851195	0.00	0.00	53.31	50.58	53.90	53.89	49.80	53.14	46.16	7	52.07
MT030042	MT910189/MT960099	0.00	0.00	0.00	51.65	54.70	54.72	51.80	54.01	48.36	6	53.47
YU501385	Champion	0.00	0.00	0.00	49.89	53.80	53.40	52.20	0.00	48.76	5	52.71
TR232	Metcalfe	0.00	0.00	52.17	0.00	53.20	0.00	50.10	52.16	47.24	5	51.43
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	53.23	49.30	52.98	46.35	4	51.39
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	53.77	50.80	53.66	48.27	4	52.57
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	52.75	51.30	53.09	46.12	4	51.75
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	53.19	50.80	0.00	45.99	3	51.21
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	53.90	50.80	0.00	46.44	3	51.61
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	50.10	52.43	44.14	3	50.68
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	51.50	53.01	46.32	3	52.12
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	51.20	53.35	46.54	3	52.21
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	52.20	54.05	46.66	3	52.84
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	50.90	53.12	47.00	3	52.19
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	49.90	52.74	46.38	3	51.5
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	50.80	53.53	46.69	3	52.19
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	49.70	52.37	46.86	3	51.46
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	44.95	2	50.94
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.56	46.51	2	51.52
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.74	45.49	2	50.56
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	51.40	0.00	47.07	2	51.98
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.77	46.78	2	51.77
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.91	46.15	2	51.52
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.12	48.97	2	53.61
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.31	58.92	2	61.49
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.47	45.58	2	50.99
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.30	45.79	2	51.01
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.53	45.92	2	51.2
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.07	45.76	2	51.4
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.34	47.88	2	52.64
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.31	46.93	2	51.61
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	51.00	0.00	48.74	2	52.65
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.62	1	47.24
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.25	1	51.17
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.76	1	50.64
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.82	1	50.7
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.53	1	51.47
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.59	1	49.37
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.31	1	50.15
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.62	1	49.4

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.30	1	49.05
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.76	1	50.64
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.73	1	51.69
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.03	1	50.93
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.59	1	50.45
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.68	1	51.63
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.54	1	51.48
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.41	1	50.26
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.12	1	49.94
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.85	1	51.82
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.22	1	50.05
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.07	1	49.89
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.72	0.00	1	52.75
AVERAGE		50.66	54.07	52.85	49.55	53.69	53.47	50.87	53.14	46.83	9	51.68

Huntley

ID	PEDIGREE	2002	2003	2004	2005	207	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	85.93	93.84	98.08	80.23	93.60	98.08	96.50	90.49	71.51	9	89.81
6B952482	Tradition	87.22	93.00	96.62	74.84	94.50	95.52	97.30	93.36	67.52	9	88.88
MT910189	Hockett	83.15	94.65	97.35	86.80	83.60	95.04	96.40	92.73	66.85	9	88.51
MT970116	Craft	89.04	92.71	98.03	87.72	95.70	98.69	96.40	92.45	65.30	9	90.67
PI568246	Baronesse	73.52	90.19	95.57	67.61	96.70	95.11	88.70	90.61	64.03	9	84.67
MT010158	Amsterdam	0.00	91.39	97.83	85.77	97.50	98.26	95.70	91.26	65.00	8	89.85
MT010160	MT920041/Harrington	0.00	91.51	95.60	73.93	96.10	97.54	97.20	86.06	44.23	8	84.81
MT960101	Geraldine	75.94	87.73	0.00	68.23	83.60	86.97	86.70	91.04	62.26	8	81.24
SK 76333	Harrington	76.82	84.83	94.33	71.12	96.70	0.00	95.60	89.49	55.75	8	84.05
2B965057	Conrad	0.00	0.00	95.20	83.53	98.40	97.38	96.00	91.25	64.77	7	89.53
MT020155	MT960225/H1851195	0.00	0.00	92.75	75.93	93.10	94.23	96.10	86.04	64.01	7	86.04
MT020162	MT960225/H1851195	0.00	0.00	97.45	84.96	96.80	93.53	92.90	89.81	58.03	7	87.66
MT030042	MT910189/MT960099	0.00	0.00	0.00	81.48	89.60	96.07	93.70	87.28	58.45	6	85.77
YU501385	Champion	0.00	0.00	0.00	78.64	94.60	97.67	97.30	0.00	69.56	5	89.37
TR232	Metcalfe	0.00	0.00	94.11	0.00	96.90	0.00	94.30	89.60	66.37	5	88.03
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	95.77	89.60	90.37	63.38	4	85.41
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	97.64	96.00	92.88	82.76	4	93.01
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	97.62	95.40	89.85	64.80	4	87.56
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	98.48	95.90	0.00	70.69	3	89.46
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	97.89	94.80	0.00	68.37	3	88.11
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	93.70	90.79	60.06	3	84.96
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	94.80	88.72	54.31	3	82.63
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	97.00	91.76	57.12	3	85.42
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	98.50	96.81	75.48	3	94.08
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	94.90	91.43	72.62	3	89.96
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	91.80	89.82	72.22	3	88.19
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	94.70	92.19	72.78	3	90.21
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	95.60	91.61	69.14	3	89.06
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.72	56.45	2	84.36
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.24	51.26	2	79.55
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.72	64.79	2	85.1
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	98.10	0.00	64.74	2	87.04
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.03	73.18	2	92.14
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.57	71.81	2	92.23
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.79	65.53	2	87.77
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.77	54.35	2	77.12
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.06	54.80	2	79.2
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.97	52.39	2	76.15
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.51	66.50	2	86.49
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.25	69.98	2	89.38
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.24	77.99	2	95.48
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	75.96	2	94.66
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	98.20	0.00	81.49	2	96.05
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.67	1	68.66
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.04	1	74.15
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.93	1	77.78
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.26	1	74.42
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.91	1	79.01
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.89	1	65.17
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.06	1	81.71
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.57	1	67.28

Huntley

ID	PEDIGREE	2002	2003	2004	2005	207	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.11	1	72.98
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.85	1	72.65
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.63	1	76.14
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.24	1	78.16
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.73	1	76.27
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.63	1	74.89
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.22	1	79.4
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.31	1	79.51
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.78	1	81.35
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.68	1	93.79
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.39	1	84.63
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.52	1	83.54
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.47	0.00	1	94.75
AVERAGE		81.66	91.09	96.08	78.63	93.83	96.19	94.99	90.97	64.06	9	87.5

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	171.41	174.00	163.06	169.33	162.70	170.33	170.00	166.99	185.58	9	170.38
6B952482	Tradition	169.79	166.67	162.01	167.00	160.00	169.01	167.00	165.38	183.29	9	167.79
MT910189	Hockett	169.97	166.67	163.71	170.00	163.70	170.33	169.00	165.69	183.58	9	169.18
MT970116	Craft	171.82	168.67	162.31	169.00	162.70	169.98	168.70	167.35	183.30	9	169.31
PI568246	Baronesse	172.29	176.00	164.98	172.67	165.30	172.01	172.00	170.97	188.24	9	172.72
MT010158	Amsterdam	0.00	169.67	164.97	171.00	164.00	170.25	169.70	169.23	186.74	8	170.82
MT010160	MT920041/Harrington	0.00	170.33	165.00	172.00	164.60	171.03	171.00	169.73	187.28	8	171.5
MT960101	Geraldine	174.21	176.33	0.00	175.00	168.70	173.68	173.30	172.58	189.51	8	174.48
SK 76333	Harrington	171.93	171.33	170.99	172.33	165.10	0.00	171.40	170.30	188.26	8	172.7
2B965057	Conrad	0.00	0.00	164.05	170.67	165.00	172.02	171.40	170.00	186.87	7	172.1
MT020155	MT960225/H1851195	0.00	0.00	162.92	166.33	160.00	167.35	163.40	164.71	182.24	7	167.36
MT020162	MT960225/H1851195	0.00	0.00	164.31	172.33	165.60	171.69	171.70	170.04	186.17	7	172.36
MT030042	MT910189/MT960099	0.00	0.00	0.00	169.67	164.00	171.31	168.70	166.60	185.52	6	170.52
YU501385	Champion	0.00	0.00	0.00	170.33	163.30	170.67	171.30	0.00	185.58	5	171.02
TR232	Metcalfe	0.00	0.00	164.94	0.00	163.70	0.00	170.60	167.66	185.95	5	171.29
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	172.30	172.00	170.34	186.96	4	172.52
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	170.69	168.30	165.63	182.99	4	169.08
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	172.34	171.30	171.00	186.73	4	172.46
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	170.06	170.30	0.00	185.01	3	170.2
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	168.95	169.70	0.00	184.11	3	169.36
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	174.60	171.70	188.99	3	174.52
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	171.70	170.33	185.50	3	171.99
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	171.30	168.29	187.44	3	171.83
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	169.70	168.28	183.29	3	169.95
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	169.30	168.60	185.30	3	170.58
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	169.00	169.30	184.99	3	170.61
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	168.60	167.71	185.43	3	170.11
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	170.30	167.72	187.06	3	171.2
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.05	189.80	2	176.31
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.60	189.00	2	175.22
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.98	186.80	2	172.41
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	171.70	0.00	188.42	2	172.55
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.01	187.66	2	174.78
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.34	188.26	2	174.26
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.71	187.97	2	173.81
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.36	184.30	2	170.42
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.43	186.69	2	172.09
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.07	183.17	2	168.77
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.22	184.78	2	170.59
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.41	185.46	2	171.01
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.99	184.89	2	170.53
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164.67	182.28	2	167.66
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	168.00	0.00	183.68	2	168.51
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.28	1	171.02
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.76	1	173.3
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.49	1	170.3
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.45	1	172.09
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.87	1	173.4
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.14	1	171.81
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.64	1	171.35
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.78	1	171.48
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.36	1	172.01
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.44	1	173.92
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.43	1	173.91
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.37	1	172.94
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.19	1	172.77
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.31	1	172.88

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.82	1	172.43
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.44	1	172.09
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.05	1	172.65
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.93	1	170.7
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.43	1	172.08
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.04	1	170.8
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.65	0.00	1	177.17
AVERAGE		171.63	171.07	164.44	170.55	163.89	170.78	170.17	169.22	186.45	9	170.91

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	40.30	34.60	38.97	44.23	39.40	34.70	39.50	39.30	26.29	9	37.48
6B952482	Tradition	37.49	34.15	41.34	47.56	41.30	38.92	43.50	39.85	31.48	9	39.51
MT910189	Hockett	36.34	35.42	35.12	43.74	35.30	35.74	38.34	37.49	30.36	9	36.43
MT970116	Craft	40.25	34.23	41.18	45.84	39.90	36.65	40.83	42.21	31.20	9	39.14
PI568246	Baronesse	33.73	33.63	37.15	42.97	34.90	37.03	37.40	34.24	27.77	9	35.42
MT010158	Amsterdam	0.00	35.85	33.50	43.56	36.80	34.05	39.55	36.92	29.26	8	36.53
MT010160	MT920041/Harrington	0.00	37.80	38.22	44.80	37.60	37.76	38.12	38.53	30.34	8	38.26
MT960101	Geraldine	34.66	32.06	0.00	42.20	35.70	34.82	37.65	36.35	28.14	8	35.37
SK 76333	Harrington	38.33	37.38	38.73	42.78	35.70	0.00	37.98	39.31	30.19	8	37.21
2B965057	Conrad	0.00	0.00	36.85	43.08	36.60	34.12	38.45	37.56	29.64	7	36.61
MT020155	MT960225/H1851195	0.00	0.00	38.48	46.34	37.70	39.75	40.08	38.65	30.72	7	38.81
MT020162	MT960225/H1851195	0.00	0.00	40.91	44.17	37.70	35.77	40.83	37.09	29.83	7	38.04
MT030042	MT910189/MT960099	0.00	0.00	0.00	43.75	36.30	35.24	38.08	35.32	27.81	6	36.32
YU501385	Champion	0.00	0.00	0.00	43.92	41.50	38.42	37.41	0.00	29.16	5	38.76
TR232	Metcalfe	0.00	0.00	39.17	0.00	37.60	0.00	39.55	37.85	31.22	5	37.87
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	35.47	37.98	36.25	28.80	4	37.13
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	35.50	41.90	38.77	31.22	4	39.51
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	33.24	37.33	36.89	28.47	4	36.44
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	37.34	40.66	0.00	31.51	3	40.84
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	36.69	43.33	0.00	32.00	3	41.78
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	26.89	27.65	24.94	3	28.34
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	37.56	38.84	30.15	3	38
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	40.93	36.16	29.41	3	37.98
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	38.33	36.81	28.66	3	37.02
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	37.82	35.66	29.05	3	36.56
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	36.11	36.28	28.79	3	36.08
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	36.49	33.60	27.56	3	34.82
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	40.90	40.88	29.73	3	39.77
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.76	27.45	2	34.97
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.33	27.65	2	34.27
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.78	31.19	2	42.26
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	35.95	0.00	29.44	2	37.25
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.95	27.76	2	36.4
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.50	27.14	2	35.22
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.51	28.62	2	36.64
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.98	28.62	2	38.05
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.15	32.84	2	41.7
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.17	28.65	2	36.47
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.74	28.01	2	35.85
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.26	27.21	2	34.55
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.59	28.60	2	35.53
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.59	28.93	2	39.72
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	37.21	0.00	29.16	2	37.81
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.61	1	43.63
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.33	1	40.38
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.69	1	43.75
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.94	1	45.53
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.73	1	45.23
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.48	1	42.02
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.58	1	43.59
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.51	1	43.49

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.81	1	41.07
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.73	1	42.38
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.62	1	42.22
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.99	1	44.18
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.76	1	42.42
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.20	1	40.2
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.64	1	39.4
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.69	1	45.17
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.15	1	42.98
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.99	1	41.33
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.54	1	42.11
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.76	1	43.85
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.38	0.00	1	30.88
AVERAGE		37.30	35.01	38.30	44.21	37.60	36.18	38.56	36.70	29.44	9	37.03

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	12.60	12.40	10.50	13.80	9.90	9.34	10.00	11.70	13.21	9	11.49
6B952482	Tradition	14.30	11.90	11.03	13.80	10.10	11.87	11.00	11.39	12.22	9	11.96
MT910189	Hockett	13.00	12.50	10.83	13.50	9.70	12.52	10.70	11.38	13.27	9	11.93
MT970116	Craft	13.30	13.00	10.97	14.80	9.70	10.06	10.30	11.50	13.18	9	11.87
PI568246	Baronesse	13.50	11.80	10.43	13.20	8.20	11.50	10.80	10.99	12.71	9	11.46
MT010158	Amsterdam	0.00	13.10	10.27	14.10	9.70	11.09	11.10	11.86	13.69	8	12.01
MT010160	MT920041/Harrington	0.00	13.40	10.72	14.30	9.50	10.42	10.60	12.21	13.53	8	11.98
MT960101	Geraldine	13.80	11.10	0.00	13.20	9.20	10.70	10.00	10.50	12.96	8	11.31
SK 76333	Harrington	13.00	13.40	11.12	15.10	9.60	0.00	9.90	11.29	13.55	8	11.84
2B965057	Conrad	0.00	0.00	11.42	14.30	10.40	11.09	10.80	11.90	13.23	7	12.18
MT020155	MT960225/H1851195	0.00	0.00	11.14	12.80	10.00	12.34	10.10	11.56	13.23	7	11.89
MT020162	MT960225/H1851195	0.00	0.00	11.65	13.40	9.80	11.18	11.60	11.61	13.71	7	12.15
MT030042	MT910189/MT960099	0.00	0.00	0.00	12.90	9.20	10.19	9.60	10.63	12.25	6	10.96
YU501385	Champion	0.00	0.00	0.00	14.20	11.20	10.86	10.30	0.00	11.96	5	11.96
TR232	Metcalfe	0.00	0.00	11.03	0.00	10.30	0.00	10.70	11.54	13.59	5	11.88
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	9.86	10.40	10.75	12.39	4	11.27
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	10.59	10.90	11.49	13.04	4	11.95
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	9.95	10.30	11.82	13.57	4	11.86
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	11.20	11.40	0.00	13.06	3	12.59
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	9.96	11.80	0.00	13.84	3	12.57
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	9.10	10.41	12.93	3	10.68
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	9.40	11.08	12.75	3	10.94
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	10.00	11.13	12.85	3	11.19
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	10.70	11.27	13.57	3	11.7
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	10.20	10.91	13.02	3	11.24
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	10.40	11.00	13.05	3	11.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	9.80	10.76	13.47	3	11.2
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	9.50	10.22	11.04	3	10.13
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.68	13.39	2	11.57
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.99	13.41	2	11.26
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.82	12.43	2	10.73
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	10.20	0.00	12.98	2	11.48
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.62	13.40	2	11.55
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.27	13.21	2	11.3
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.75	13.12	2	11.01
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.31	16.99	2	14.9
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.67	12.86	2	11.32
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.81	14.18	2	11.99
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.83	13.04	2	11.01
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.62	12.66	2	10.74
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.24	13.25	2	10.84
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70	11.11	2	9.6
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	10.50	0.00	11.88	2	11.08
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.45	1	10.83
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.55	1	11.79
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.01	1	9.58
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.58	1	10.08
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.55	1	10.05
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.24	1	10.65
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.75	1	10.22
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.17	1	10.59

Huntley

ID	PEDIGREE	2002	2003	2004	2005	2007	2008	2009	2010	2011	# Yrs	Comp Ave
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.08	1	10.51
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.15	1	10.57
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	1	10.2
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.85	1	10.31
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.87	1	10.33
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.06	1	10.49
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	1	10.02
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.07	1	10.5
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.15	1	10.57
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.55	1	10.05
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.97	1	9.55
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.72	1	9.33
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.26	0.00	1	11.06
AVERAGE		13.36	12.51	10.93	13.81	9.77	10.82	10.40	11.27	12.70	9	11.73

Conrad

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	87.51	9	54.11	9	81.46	9	182.28	9	28.94	9	12.26
6B952482	Tradition	9	83.89	9	50.02	9	74.26	9	181.74	9	32.54	9	12.7
MT910189	Hockett	9	89.66	9	52.26	9	89.74	9	181.33	9	29.11	9	12.23
MT970116	Craft	9	86.84	9	53.09	9	91.2	9	182.27	9	32	9	12.29
PI568246	Baronesse	9	89.51	9	51.21	9	80.95	9	183.91	9	27.7	9	12.35
MT010158	Amsterdam	8	79.51	8	51.39	8	84.53	8	183.76	8	27.97	8	13.23
MT010160	MT920041/Harrington	8	87.95	8	51.09	8	81.35	8	184.65	8	30.36	8	12.45
MT960101	Geraldine	8	87.81	8	51.38	8	68.98	8	185.36	8	26.77	8	12.05
SK 76333	Harrington	8	83.39	8	50.43	8	83.05	8	184.48	8	29.53	8	12.34
2B965057	Conrad	7	88.75	7	50.38	7	82.51	7	184.92	7	27.94	7	12.63
MT020155	MT960225/H1851195	7	86.2	7	51.17	7	82.65	7	179.92	7	30.08	7	12.93
MT020162	MT960225/H1851195	7	86.75	7	51.54	7	83.16	7	185.24	7	29.86	7	12.2
YU501385	Champion	6	94.55	6	53.07	6	78.43	6	183.31	6	28.5	6	11.8
MT030042	MT910189/MT960099	6	84.8	6	53.29	6	75.99	6	183.13	6	27.22	6	11.05
TR232	Metcalfe	4	83.27	4	51.04	5	80.23	5	182.84	5	30.47	4	12.6
MT061035	Baronesse/MT981210	3	97.32	3	52	3	80.31	3	184.52	3	29.33	3	11.9
MT061104	Harrington/MT970229	3	84.76	3	52.71	3	84.31	3	183.45	3	32.17	3	12.14
MT061134	Kendal/Conlon	3	84.42	3	50.98	3	83.36	3	184.88	3	31.24	3	13.02
MT061169	MT960101/Coors 37	3	91.73	3	52.88	3	82.26	3	184.55	3	27.74	3	12.14
MT061201	MT970110/LK232	3	82.31	3	52.38	3	83.02	3	183.09	3	33.49	3	12.76
MT070086	MT970148/Coors37	2	93.89	2	51.4	2	78.34	2	185.64	2	21.81	2	11.95
MT070111	MT010178/Harrington	2	86.99	2	52.44	2	80.35	2	184.03	2	31.4	2	11.77
MT070125	MT981210/MT970116	2	88.19	2	52.87	2	83.04	2	185.49	2	31.34	2	12.05
MT070136	MT010178/MT970148	2	86.21	2	52.52	2	82.44	2	184.42	2	30.29	2	12.53
MT070148	MT990172/Metcalfe	2	85.95	2	52.83	2	82.92	2	184.08	2	29.3	2	12.3
MT070158	MT970148/Klages	2	83.67	2	52.18	2	81.81	2	184.37	2	28.77	2	12.25
MT070159	MT970148/Klages	2	78.52	2	50.92	2	78.43	2	182.38	2	26.61	2	11.47
MT070161	MT970148/Klages	2	85.58	2	52.56	2	82.61	2	182.57	2	27.83	2	11.55
MT070174	LK644///Hockett F5	2	71.07	2	51.68	2	82.77	2	181.21	2	29.82	2	11.87
MT070175	LK644///Hockett F5	2	87.54	2	51.88	2	80.59	2	182.57	2	33.1	2	10.98
EM090117	03013-25	1	83.61	1	50.89	1	82.6	1	189	1	28.35	1	11.65
EM090128	03021-03	1	92.42	1	51.57	1	75.5	1	189.28	1	27.17	1	13.01
EM090105	05032-068	1	81.75	1	50.69	1	76.99	1	183.04	1	30.6	1	13.38
EM090081	05037-079	1	91.57	1	51.28	1	82.24	1	186.35	1	33.2	1	12.44
COPELAND	Copeland	1	85.9	1	50.69	1	81.54	1	184.27	1	36.51	1	12.19
MT080081	Coors/Metcalfe	1	87.84	1	48.35	1	65.69	1	186.44	1	25.99	1	13.04
MT080083	Coors/Metcalfe	1	80.98	1	49.32	1	74.62	1	186.54	1	28.12	1	13.08
MT080085	Coors/Metcalfe	1	80.39	1	51.77	1	77.43	1	183.89	1	32.13	1	11.84
MT080100	Karma	1	56.08	1	59.87	1	77.43	1	183.13	1	34.26	1	14.87
MT080243	MT960101/MT981210	1	90.05	1	52.74	1	77.08	1	184.36	1	31.78	1	12.22
MT080261	MT970026/MT981091	1	77.76	1	52.94	1	80.93	1	180.19	1	30.6	1	12.78
MT080279	MT970148/MT970116	1	93.6	1	51.96	1	80.23	1	182.75	1	26.94	1	12.47
MT080281	MT970148/MT970116	1	88.27	1	52.55	1	81.63	1	181.61	1	27.76	1	11.63
MT080285	MT970148/MT970116	1	92.16	1	52.45	1	81.72	1	183.22	1	28.83	1	11.9
MT090169	MT910189*/LK644/EslickBC3F43G3	1	90.89	1	52.64	1	83.38	1	181.52	1	30.13	1	11.39
MT090176	MT910189*/LK644/EslickBC3F33-G	1	83.69	1	51.28	1	79.53	1	186.16	1	34.5	1	11.64
MT090178	MT910189*/LK644/EslickBC3F33-G	1	76.75	1	52.35	1	82.24	1	184.55	1	31.07	1	11.39
MT090180	MT910189*/LK644/EslickBC3F33-G	1	90.98	1	51.28	1	82.07	1	186.07	1	33.67	1	10.75
MT090181	MT910189*/LK644/EslickBC3F33-G	1	99.87	1	52.94	1	83.21	1	186.63	1	32.61	1	10.9
MT090182	MT910189*/LK644/EslickBC3F33-G	1	93.1	1	52.84	1	81.98	1	184.27	1	34.26	1	11.32
MT090183	MT910189*/LK644/EslickBC3F33-G	1	82.42	1	51.86	1	81.72	1	185.12	1	33.43	1	11.59
MT090184	MT910189*/LK644/EslickBC3F33-G	1	82.68	1	53.13	1	83.65	1	185.5	1	33.67	1	11.66
MT090186	MT910189*/LK644/EslickBC3F33-G	1	83.44	1	50.01	1	83.73	1	187.68	1	34.14	1	10.8
MT090188	MT910189*/LK644/EslickBC3F33-G	1	80.9	1	51.67	1	81.54	1	185.78	1	33.2	1	11.62

Conrad

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090190	MT910189*/LK644/EslickBC3F33-G	1	87.67	1	52.84	1	82.95	1	183.79	1	34.14	1	11.19
MT090191	MT910189*/LK644/EslickBC3F33-G	1	91.32	1	53.13	1	82.33	1	186.82	1	33.91	1	11.11
MT090192	MT910189*/LK644/EslickBC3F33-G	1	85.47	1	53.04	1	81.28	1	185.69	1	32.96	1	11.24
MT090193	MT910189*/LK644/EslickBC3F33-G	1	86.57	1	51.28	1	81.81	1	184.08	1	32.72	1	11.53
MT090194	MT910189*/LK644/EslickBC3F33-G	1	81.58	1	51.47	1	80.67	1	186.07	1	32.72	1	11.29
MT090202	MT910189*/LK644/EslickBC3F37-I	1	80.81	1	52.94	1	83.56	1	183.51	1	31.19	1	11.54
MT090227	MT910189*/LK644/EslickBC3F37-L	1	84.79	1	52.55	1	81.89	1	183.51	1	33.91	1	12.27
MT090229	MT910189*/LK644/EslickBC3F37-L	1	86.49	1	52.06	1	80.32	1	182.18	1	33.55	1	12.09
PI643354	Pinnacle	1	93.35	1	51.96	1	83.3	1	180.76	1	32.37	1	11.03
SCARLETT	Scarlett	1	87.67	1	52.74	1	83.21	1	186.07	1	29.3	1	12.41
AVERAGE		9	86.8	9	51.71	9	82.13	9	183.36	9	29.33	9	12.32

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	76.23	87.21	90.97	94.45	111.67	64.10	67.10	92.52	103.30	9	87.51
6B952482	Tradition	78.17	88.95	86.03	87.73	81.85	65.70	75.90	85.74	104.90	9	83.89
MT910189	Hockett	82.12	99.59	89.30	98.19	104.15	63.20	75.80	90.66	103.90	9	89.66
MT970116	Craft	73.13	98.01	83.80	88.36	99.36	64.90	73.30	95.99	104.70	9	86.84
PI568246	Baronesse	82.60	88.67	90.47	88.00	113.69	58.20	75.10	103.10	105.80	9	89.51
MT010158	Amsterdam	0.00	80.48	89.27	81.61	98.18	58.00	67.90	82.51	88.40	8	79.51
MT010160	MT920041/Harrington	0.00	87.22	91.83	97.26	105.41	61.60	85.50	82.29	103.80	8	87.95
MT960101	Geraldine	85.59	74.45	0.00	90.40	110.30	54.60	79.40	92.56	111.70	8	87.81
SK 76333	Harrington	81.68	80.45	80.03	88.15	102.06	61.70	0.00	92.27	100.20	8	83.39
2B965057	Conrad	0.00	0.00	90.80	89.95	113.86	58.10	75.70	100.15	104.40	7	88.75
MT020155	MT960225/H1851195	0.00	0.00	100.47	94.61	104.50	62.60	69.30	86.11	97.20	7	86.2
MT020162	MT960225/H1851195	0.00	0.00	85.17	87.39	104.69	62.90	81.30	87.09	110.20	7	86.75
YU501385	Champion	0.00	0.00	0.00	92.24	114.20	64.70	80.60	107.82	116.50	6	94.55
MT030042	MT910189/MT960099	0.00	0.00	0.00	91.93	105.46	60.90	77.90	87.99	92.50	6	84.8
TR232	Metcalfe	0.00	0.00	89.67	0.00	0.00	58.60	0.00	90.74	94.90	4	83.27
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	83.20	98.51	110.70	3	97.32
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	74.30	89.37	91.00	3	84.76
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	74.10	85.06	94.50	3	84.42
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	80.00	92.52	103.10	3	91.73
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	66.10	81.80	99.40	3	82.31
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.51	103.60	2	93.89
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.26	97.40	2	86.99
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.15	98.20	2	88.19
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.43	95.50	2	86.21
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.54	99.80	2	85.95
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.54	96.70	2	83.67
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.91	89.80	2	78.52
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.40	105.10	2	85.58
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.03	85.00	2	71.07
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.40	106.50	2	87.54
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.70	1	83.61
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.10	1	92.42
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	1	81.75
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	1	91.57
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.40	1	85.9
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.70	1	87.84
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	1	80.98
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.90	1	80.39
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.20	1	56.08
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.30	1	90.05
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	1	77.76
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.50	1	93.6
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.20	1	88.27
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.80	1	92.16
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.30	1	90.89
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.80	1	83.69
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.60	1	76.75
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.40	1	90.98
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.90	1	99.87
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.90	1	93.1
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.30	1	82.42
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	1	82.68
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	1	83.44

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	1	80.9
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.50	1	87.67
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.80	1	91.32
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.90	1	85.47
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.20	1	86.57
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.30	1	81.58
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.40	1	80.81
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.10	1	84.79
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.10	1	86.49
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.20	1	93.35
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.50	1	87.67
AVERAGE		79.93	87.23	88.98	90.73	104.96	61.32	75.69	91.47	100.90	9	86.8

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	52.80	50.70	55.20	53.10	57.39	52.90	55.40	54.10	55.40	9	54.11
6B952482	Tradition	49.20	45.80	50.40	47.10	53.93	48.40	51.70	51.41	52.20	9	50.02
MT910189	Hockett	51.90	48.50	52.10	50.20	55.41	51.70	53.60	53.26	53.70	9	52.26
MT970116	Craft	53.50	51.50	53.50	50.20	56.12	51.70	53.40	53.16	54.70	9	53.09
PI568246	Baronesse	49.60	48.10	51.80	49.30	54.64	48.70	52.40	52.58	53.80	9	51.21
MT010158	Amsterdam	0.00	46.60	53.80	47.10	55.70	49.70	53.10	52.43	53.90	8	51.39
MT010160	MT920041/Harrington	0.00	48.80	50.90	48.60	54.64	48.70	52.70	53.04	52.60	8	51.09
MT960101	Geraldine	52.30	46.60	0.00	48.80	55.48	47.90	53.10	52.64	53.20	8	51.38
SK 76333	Harrington	52.60	46.50	52.00	45.90	53.65	46.70	0.00	52.49	52.40	8	50.43
2B965057	Conrad	0.00	0.00	50.90	48.90	54.14	48.00	50.40	51.70	53.00	7	50.38
MT020155	MT960225/H1851195	0.00	0.00	52.10	46.90	56.40	49.50	52.60	51.74	53.40	7	51.17
MT020162	MT960225/H1851195	0.00	0.00	52.60	48.90	54.64	50.30	52.50	52.92	53.40	7	51.54
YU501385	Champion	0.00	0.00	0.00	52.90	55.91	51.50	53.10	53.56	55.00	6	53.07
MT030042	MT910189/MT960099	0.00	0.00	0.00	51.90	57.60	51.00	54.50	53.93	54.40	6	53.29
TR232	Metcalfe	0.00	0.00	52.20	0.00	0.00	47.70	0.00	52.84	52.50	4	51.04
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	53.80	51.87	52.80	3	52
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	53.50	52.53	54.60	3	52.71
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	52.00	50.87	52.50	3	50.98
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	53.70	53.86	53.60	3	52.88
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	52.90	52.52	54.20	3	52.38
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.12	51.90	2	51.4
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.12	53.00	2	52.44
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	54.30	2	52.87
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.39	53.90	2	52.52
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.71	54.20	2	52.83
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.49	53.10	2	52.18
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.75	52.30	2	50.92
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.07	54.30	2	52.56
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	52.80	2	51.68
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.09	52.90	2	51.88
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.10	1	50.89
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.80	1	51.57
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.90	1	50.69
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	51.28
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.90	1	50.69
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	48.35
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	1	49.32
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	51.77
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.30	1	59.87
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	52.74
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.20	1	52.94
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.20	1	51.96
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.80	1	52.55
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	52.45
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	52.64
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	51.28
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	1	52.35
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	51.28
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.20	1	52.94
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	52.84
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.10	1	51.86
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.40	1	53.13

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.20	1	50.01
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	1	51.67
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	52.84
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.40	1	53.13
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	53.04
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	51.28
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	1	51.47
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.20	1	52.94
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.80	1	52.55
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.30	1	52.06
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.20	1	51.96
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	52.74
AVERAGE		51.70	48.12	52.29	49.27	55.40	49.63	53.02	52.52	53.40	9	51.71

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	93.00	35.00	91.00	93.20	94.00	43.00	94.00	96.91	93.00	9	81.46
6B952482	Tradition	93.00	23.00	92.00	53.60	89.00	32.30	92.00	97.45	96.00	9	74.26
MT910189	Hockett	97.00	60.00	98.00	95.80	96.00	69.40	99.00	97.72	94.70	9	89.74
MT970116	Craft	97.00	80.00	98.00	89.80	95.00	72.20	98.00	97.86	92.90	9	91.2
PI568246	Baronesse	86.00	70.00	93.00	82.80	94.00	25.50	88.00	98.44	90.80	9	80.95
MT010158	Amsterdam	0.00	24.00	97.00	93.10	97.00	64.20	93.00	97.13	98.80	8	84.53
MT010160	MT920041/Harrington	0.00	61.00	73.00	91.20	96.00	39.50	97.00	97.27	84.30	8	81.35
MT960101	Geraldine	94.00	16.00	0.00	60.40	83.00	16.40	93.00	94.08	86.90	8	68.98
SK 76333	Harrington	97.00	54.00	91.00	69.70	96.00	58.10	0.00	97.00	88.80	8	83.05
2B965057	Conrad	0.00	0.00	87.00	92.00	96.00	44.40	100.00	97.90	95.60	7	82.51
MT020155	MT960225/H1851195	0.00	0.00	94.00	83.80	95.00	53.40	99.00	95.58	93.20	7	82.65
MT020162	MT960225/H1851195	0.00	0.00	96.00	92.40	95.00	54.70	96.00	96.74	86.90	7	83.16
YU501385	Champion	0.00	0.00	0.00	91.10	93.00	26.00	95.00	97.70	92.20	6	78.43
MT030042	MT910189/MT960099	0.00	0.00	0.00	74.50	95.00	31.20	96.00	95.48	87.40	6	75.99
TR232	Metcalfe	0.00	0.00	83.00	0.00	94.00	46.40	0.00	97.91	90.30	5	80.23
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	98.00	98.02	83.90	3	80.31
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	99.00	99.07	95.80	3	84.31
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	95.00	97.65	97.90	3	83.36
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	98.00	97.02	91.70	3	82.26
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	98.00	96.55	94.80	3	83.02
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.64	86.00	2	78.34
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.74	90.60	2	80.35
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.80	96.80	2	83.04
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.11	94.10	2	82.44
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.72	94.60	2	82.92
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.64	93.10	2	81.81
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.16	87.70	2	78.43
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.01	95.60	2	82.61
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.58	95.40	2	82.77
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	90.20	2	80.59
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.30	1	82.6
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.20	1	75.5
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.90	1	76.99
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.90	1	82.24
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.10	1	81.54
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	1	65.69
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.20	1	74.62
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.40	1	77.43
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.40	1	77.43
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	1	77.08
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.40	1	80.93
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.60	1	80.23
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.20	1	81.63
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.30	1	81.72
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.20	1	83.38
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.80	1	79.53
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.90	1	82.24
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.70	1	82.07
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	83.21
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.60	1	81.98
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.30	1	81.72
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	1	83.65

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	1	83.73
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.10	1	81.54
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.70	1	82.95
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	1	82.33
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	1	81.28
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.40	1	81.81
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.10	1	80.67
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.40	1	83.56
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.50	1	81.89
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.70	1	80.32
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.10	1	83.3
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	83.21
AVERAGE		93.86	47.00	91.08	83.10	93.87	45.11	96.00	97.19	92.00	9	82.13

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	186.00	180.00	182.00	182.00	175.00	175.00	186.00	182.00	192.50	9	182.28
6B952482	Tradition	186.00	180.00	181.00	181.00	176.00	175.00	186.00	179.00	191.70	9	181.74
MT910189	Hockett	184.00	179.00	182.00	178.00	173.00	176.00	185.00	183.00	192.00	9	181.33
MT970116	Craft	185.00	180.00	182.00	180.00	177.00	177.00	187.00	181.00	191.40	9	182.27
PI568246	Baronesse	186.00	183.00	183.00	182.00	178.00	179.00	183.00	186.00	195.20	9	183.91
MT010158	Amsterdam	0.00	182.00	183.00	181.00	177.00	179.00	188.00	182.00	194.30	8	183.76
MT010160	MT920041/Harrington	0.00	182.00	183.00	182.00	178.00	180.00	189.00	185.00	194.40	8	184.65
MT960101	Geraldine	186.00	183.00	0.00	184.00	179.00	180.00	191.00	183.00	197.20	8	185.36
SK 76333	Harrington	187.00	183.00	184.00	183.00	178.00	179.00	0.00	183.00	195.10	8	184.48
2B965057	Conrad	0.00	0.00	184.00	182.00	178.00	179.00	189.00	186.00	195.00	7	184.92
MT020155	MT960225/H1851195	0.00	0.00	180.00	176.00	172.00	175.00	185.00	180.00	190.00	7	179.92
MT020162	MT960225/H1851195	0.00	0.00	183.00	183.00	179.00	180.00	190.00	183.00	197.20	7	185.24
YU501385	Champion	0.00	0.00	0.00	182.00	179.00	178.00	188.00	179.00	192.70	6	183.31
MT030042	MT910189/MT960099	0.00	0.00	0.00	179.00	178.00	178.00	188.00	182.00	192.60	6	183.13
TR232	Metcalfe	0.00	0.00	182.00	0.00	175.00	178.00	0.00	182.00	192.30	5	182.84
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	189.00	184.00	194.40	3	184.52
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	189.00	183.00	192.10	3	183.45
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	190.00	183.00	195.50	3	184.88
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	189.00	185.00	193.50	3	184.55
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	187.00	180.00	196.00	3	183.09
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.00	195.40	2	185.64
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	195.10	2	184.03
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	198.10	2	185.49
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.00	197.90	2	184.42
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.00	192.20	2	184.08
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.00	192.80	2	184.37
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	191.70	2	182.38
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	192.10	2	182.57
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00	192.30	2	181.21
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	192.10	2	182.57
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.60	1	189
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.90	1	189.28
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.30	1	183.04
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.80	1	186.35
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.60	1	184.27
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.90	1	186.44
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.00	1	186.54
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.20	1	183.89
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.40	1	183.13
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.70	1	184.36
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.30	1	180.19
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.00	1	182.75
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.80	1	181.61
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.50	1	183.22
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.70	1	181.52
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.60	1	186.16
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.90	1	184.55
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.50	1	186.07
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.10	1	186.63
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.60	1	184.27
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.50	1	185.12
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.90	1	185.5
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198.20	1	187.68
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.20	1	185.78
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.10	1	183.79
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.30	1	186.82

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.10	1	185.69
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.40	1	184.08
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.50	1	186.07
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.80	1	183.51
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.80	1	183.51
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.40	1	182.18
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.90	1	180.76
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.50	1	186.07
AVERAGE		185.71	181.33	182.42	181.07	176.80	177.87	187.72	182.83	194.48	9	183.36

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	26.00	35.00	32.00	32.00	34.00	27.00	25.00	25.00	24.50	9	28.94
6B952482	Tradition	32.00	33.00	39.00	36.00	35.00	29.00	28.00	28.00	32.90	9	32.54
MT910189	Hockett	25.00	36.00	32.00	35.00	29.00	24.00	28.00	25.50	27.50	9	29.11
MT970116	Craft	33.00	37.00	40.00	36.00	33.00	24.00	29.00	27.00	29.00	9	32
PI568246	Baronesse	26.00	30.00	31.00	31.00	31.00	22.00	28.00	26.00	24.30	9	27.7
MT010158	Amsterdam	0.00	32.00	30.00	31.00	31.00	24.00	26.00	24.00	28.60	8	27.97
MT010160	MT920041/Harrington	0.00	34.00	36.00	34.00	33.00	24.00	28.00	26.00	31.00	8	30.36
MT960101	Geraldine	29.00	29.00	0.00	30.00	31.00	19.00	25.00	22.00	26.30	8	26.77
SK 76333	Harrington	29.00	36.00	36.00	31.00	32.00	26.00	0.00	23.00	27.30	8	29.53
2B965057	Conrad	0.00	0.00	32.00	31.00	30.00	24.00	25.00	24.00	26.60	7	27.94
MT020155	MT960225/H1851195	0.00	0.00	35.00	36.00	36.00	23.00	28.00	22.00	27.30	7	30.08
MT020162	MT960225/H1851195	0.00	0.00	34.00	34.00	34.00	22.00	28.00	26.00	27.80	7	29.86
YU501385	Champion	0.00	0.00	0.00	30.00	32.00	24.00	26.00	26.00	26.90	6	28.5
MT030042	MT910189/MT960099	0.00	0.00	0.00	31.00	31.00	21.00	25.00	23.00	26.50	6	27.22
TR232	Metcalfe	0.00	0.00	38.00	0.00	34.00	23.00	0.00	25.00	30.00	5	30.47
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	25.00	24.50	26.00	3	29.33
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	27.00	28.00	27.80	3	32.17
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	28.00	27.00	25.40	3	31.24
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	24.00	23.00	24.40	3	27.74
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	29.00	28.00	29.20	3	33.49
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	19.30	2	21.81
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	26.70	2	31.4
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	27.60	2	31.34
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	27.80	2	30.29
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.50	26.60	2	29.3
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.50	25.70	2	28.77
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	23.50	2	26.61
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	24.60	2	27.83
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.50	26.50	2	29.82
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	28.60	2	33.1
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	1	28.35
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	1	27.17
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.90	1	30.6
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.10	1	33.2
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.90	1	36.51
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	1	25.99
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.80	1	28.12
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.20	1	32.13
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	34.26
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.90	1	31.78
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.90	1	30.6
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.80	1	26.94
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.50	1	27.76
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.40	1	28.83
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	1	30.13
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.20	1	34.5
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.30	1	31.07
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.50	1	33.67
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	1	32.61
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	34.26
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.30	1	33.43
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.50	1	33.67

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.90	1	34.14
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.10	1	33.2
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.90	1	34.14
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.70	1	33.91
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.90	1	32.96
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.70	1	32.72
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.70	1	32.72
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.40	1	31.19
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.70	1	33.91
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.40	1	33.55
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.40	1	32.37
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.80	1	29.3
AVERAGE		28.57	33.56	34.58	32.71	32.40	23.73	26.78	24.75	26.88	9	29.33

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	12.64	16.00	10.90	11.99	10.00	15.00	10.70	11.54	11.58	9	12.26
6B952482	Tradition	13.53	16.20	11.33	12.34	10.10	14.70	11.80	12.27	12.02	9	12.7
MT910189	Hockett	12.56	15.80	10.60	13.09	9.60	15.00	10.40	11.65	11.38	9	12.23
MT970116	Craft	12.14	15.50	11.60	12.52	10.00	14.70	11.00	11.97	11.15	9	12.29
PI568246	Baronesse	12.53	16.10	11.77	12.51	10.10	13.80	11.60	11.78	10.92	9	12.35
MT010158	Amsterdam	0.00	17.30	13.27	13.31	10.60	13.90	12.50	11.48	13.09	8	13.23
MT010160	MT920041/Harrington	0.00	15.80	13.00	13.48	10.20	13.40	10.20	10.86	12.29	8	12.45
MT960101	Geraldine	11.76	16.70	0.00	12.37	9.40	13.50	10.00	11.73	12.25	8	12.05
SK 76333	Harrington	12.67	16.30	12.07	13.29	9.90	13.70	0.00	10.98	11.42	8	12.34
2B965057	Conrad	0.00	0.00	13.00	12.57	9.80	14.20	10.70	11.92	11.97	7	12.63
MT020155	MT960225/H1851195	0.00	0.00	13.03	13.30	10.10	14.20	11.70	11.82	11.99	7	12.93
MT020162	MT960225/H1851195	0.00	0.00	11.50	12.96	10.30	14.10	9.70	11.19	11.52	7	12.2
YU501385	Champion	0.00	0.00	0.00	11.73	9.60	13.80	9.70	12.08	11.23	6	11.8
MT030042	MT910189/MT960099	0.00	0.00	0.00	12.02	8.90	12.80	9.20	9.90	11.01	6	11.05
TR232	Metcalfe	0.00	0.00	11.73	0.00	0.00	15.00	0.00	11.96	11.68	4	12.6
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	9.50	11.40	11.93	3	11.9
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	9.50	11.82	12.17	3	12.14
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	12.20	12.15	11.55	3	13.02
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	10.40	12.02	11.07	3	12.14
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	10.90	12.21	12.08	3	12.76
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52	12.01	2	11.95
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.69	11.51	2	11.77
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	11.39	2	12.05
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.18	11.45	2	12.53
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.79	11.40	2	12.3
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.19	11.90	2	12.25
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.41	11.21	2	11.47
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80	10.98	2	11.55
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.56	11.82	2	11.87
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.05	10.66	2	10.98
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.00	1	11.65
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.29	1	13.01
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.64	1	13.38
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.75	1	12.44
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.51	1	12.19
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.32	1	13.04
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.35	1	13.08
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.18	1	11.84
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.04	1	14.87
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.54	1	12.22
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.07	1	12.78
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.78	1	12.47
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.98	1	11.63
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.24	1	11.9
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	1	11.39
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.99	1	11.64
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	1	11.39
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.15	1	10.75
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.29	1	10.9
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.69	1	11.32
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.95	1	11.59

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2008	2009	2011	# Yrs	Comp Ave
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.01	1	11.66
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	1	10.8
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.97	1	11.62
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.57	1	11.19
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.49	1	11.11
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.62	1	11.24
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.89	1	11.53
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.66	1	11.29
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.90	1	11.54
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.59	1	12.27
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.42	1	12.09
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.42	1	11.03
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	1	12.41
AVERAGE		12.55	16.19	11.98	12.68	9.90	14.12	10.65	11.41	11.43	9	12.32

Conrad

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	8	113.93	8	54.32	8	87.93	8	183.02	8	30.92	8	12.26
6B952482	Tradition	8	104.07	8	51.49	8	87.76	8	181.91	8	33.85	8	12.03
MT910189	Hockett	8	99.83	8	53.18	8	87.11	8	183.11	8	30.36	8	12.19
MT970116	Craft	8	108.32	8	54.2	8	87.65	8	182.6	8	33.28	8	12.32
PI568246	Baronesse	8	116.9	8	52.75	8	85.3	8	184.26	8	30.44	8	11.49
SK 76333	Harrington	8	99.65	8	51.94	8	85.37	8	184.29	8	31.17	8	11.77
MT010158	Amsterdam	7	108.93	7	53.39	7	88.58	7	184	7	30.53	7	12.3
MT010160	MT920041/Harrington	7	107.42	7	53.23	7	86.91	7	184.66	7	33.5	7	12.27
MT960101	Geraldine	7	112.74	7	53.12	7	86.18	7	185.32	7	30.16	7	11.37
2B965057	Conrad	6	112.38	6	52.94	6	88.44	6	184.53	6	30.55	6	12.42
MT020155	MT960225/H1851195	6	110.15	6	53.23	6	85.81	6	181.37	6	32.12	6	12.6
MT020162	MT960225/H1851195	6	114.94	6	53.68	6	87.83	6	184.73	6	32.17	6	12.4
YU501385	Champion	5	119.82	5	54.21	5	88.9	5	183.31	5	31.28	5	11.1
MT030042	MT910189/MT960099	5	109.77	5	53.96	5	86.07	5	183.73	5	30.78	5	11.07
TR232	Metcalfe	5	100.38	5	52.66	5	88.01	5	184.76	5	33.13	5	11.8
MT061035	Baronesse/MT981210	2	125.97	2	53.49	2	89.51	2	186.2	2	34.79	2	10.34
MT061104	Harrington/MT970229	2	106.26	2	53.61	2	89.66	2	184.23	2	36.08	2	11.74
MT061134	Kendal/Conlon	2	106.66	2	52.67	2	90.2	2	185.05	2	34.42	2	10.92
MT061169	MT960101/Coors 37	2	108.46	2	53.84	2	87.41	2	185.77	2	32.15	2	11.17
MT061201	MT970110/LK232	2	98.7	2	53.23	2	88.9	2	183.65	2	34.24	2	11.57
MT070086	MT970148/Coors37	2	117	2	52.96	2	88.72	2	185.91	2	26.57	2	10.21
MT070111	MT010178/Harrington	2	118.94	2	54.08	2	89.33	2	185.48	2	35.22	2	10.92
MT070125	MT981210/MT970116	2	109.96	2	53.61	2	89.35	2	186.39	2	34.67	2	11.27
MT070136	MT010178/MT970148	2	107.06	2	53.09	2	89.44	2	187.26	2	34.73	2	12.44
MT070148	MT990172/Metcalfe	2	105.34	2	53.33	2	89.47	2	183.65	2	34.42	2	11.73
MT070158	MT970148/Klages	2	120.07	2	52.88	2	88.42	2	185.09	2	32.4	2	11.13
MT070159	MT970148/Klages	2	114.05	2	52.87	2	89.3	2	183.65	2	31.66	2	10.75
MT070161	MT970148/Klages	2	112.15	2	53.23	2	89.36	2	183.31	2	32.15	2	10.94
MT070174	LK644///Hockett F5	2	99.39	2	52.98	2	89.74	2	182.01	2	34.24	2	11.15
MT070175	LK644///Hockett F5	2	118.2	2	53.07	2	88.39	2	184.23	2	35.96	2	10.44
EM090117	03013-25	1	116.19	1	52.63	1	88.75	1	187.8	1	32.97	1	10.95
EM090128	03021-03	1	128.19	1	53.79	1	88.11	1	185.51	1	29.36	1	9.91
EM090105	05032-068	1	118.17	1	53.24	1	88.38	1	183.67	1	34.05	1	11.77
EM090081	05037-079	1	116.76	1	54.2	1	88.65	1	188.26	1	34.9	1	12.9
COPELAND	Copeland	1	121.7	1	52.71	1	88.84	1	184.5	1	38.63	1	12.7
MT080081	Coors/Metcalfe	1	116.05	1	52.32	1	88.11	1	185.87	1	29.36	1	9.77
MT080083	Coors/Metcalfe	1	135.39	1	52.9	1	87.93	1	185.87	1	33.21	1	12.68
MT080085	Coors/Metcalfe	1	110.83	1	54.13	1	85.21	1	185.78	1	34.9	1	11.3
MT080100	Karma	1	70.59	1	42.22	1	85.75	1	183.12	1	37.66	1	15.74
MT080243	MT960101/MT981210	1	119.44	1	53.7	1	87.93	1	185.51	1	34.53	1	11.41
MT080261	MT970026/MT981091	1	115.49	1	54.11	1	86.2	1	183.12	1	36.1	1	11.4
MT080279	MT970148/MT970116	1	122.26	1	52.76	1	88.56	1	183.02	1	29.96	1	11.57
MT080281	MT970148/MT970116	1	126.08	1	52.83	1	88.47	1	183.21	1	28.64	1	10.5
MT080285	MT970148/MT970116	1	113.79	1	53.75	1	88.84	1	184.59	1	32.85	1	11.32
MT090169	MT910189*/LK644/EslickBC3F43G3	1	103.06	1	53.1	1	88.38	1	183.94	1	33.33	1	10.62
MT090176	MT910189*/LK644/EslickBC3F33-G	1	121.56	1	53.77	1	88.65	1	186.7	1	37.18	1	9.45
MT090178	MT910189*/LK644/EslickBC3F33-G	1	110.26	1	53.17	1	88.65	1	185.87	1	32.97	1	10.14
MT090180	MT910189*/LK644/EslickBC3F33-G	1	113.37	1	52.23	1	88.2	1	186.15	1	36.46	1	9.41
MT090181	MT910189*/LK644/EslickBC3F33-G	1	119.58	1	53.55	1	88.93	1	185.51	1	33.69	1	11.67
MT090182	MT910189*/LK644/EslickBC3F33-G	1	110.12	1	53.43	1	88.47	1	185.97	1	37.3	1	9.8
MT090183	MT910189*/LK644/EslickBC3F33-G	1	114.07	1	52.84	1	88.65	1	186.06	1	36.1	1	11.5
MT090184	MT910189*/LK644/EslickBC3F33-G	1	117.18	1	54.39	1	88.65	1	187.25	1	35.74	1	10.48
MT090186	MT910189*/LK644/EslickBC3F33-G	1	131.44	1	55.09	1	88.93	1	187.07	1	36.46	1	10.9
MT090188	MT910189*/LK644/EslickBC3F33-G	1	110.83	1	52.92	1	88.75	1	186.88	1	34.9	1	10.19

Conrad

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090190	MT910189*/LK644/EslickBC3F33-G	1	117.46	1	53.18	1	88.84	1	185.6	1	34.9	1	10.49
MT090191	MT910189*/LK644/EslickBC3F33-G	1	117.75	1	54.35	1	89.29	1	185.87	1	38.14	1	10.13
MT090192	MT910189*/LK644/EslickBC3F33-G	1	110.69	1	53.31	1	88.93	1	185.97	1	36.1	1	9.91
MT090193	MT910189*/LK644/EslickBC3F33-G	1	112.8	1	52.44	1	87.93	1	186.7	1	36.34	1	10.86
MT090194	MT910189*/LK644/EslickBC3F33-G	1	116.19	1	52.02	1	88.11	1	185.51	1	37.18	1	11.2
MT090202	MT910189*/LK644/EslickBC3F37-I	1	103.2	1	53.65	1	88.93	1	184.68	1	35.62	1	10.61
MT090227	MT910189*/LK644/EslickBC3F37-L	1	113.79	1	53.29	1	88.47	1	184.5	1	35.02	1	10.21
MT090229	MT910189*/LK644/EslickBC3F37-L	1	118.03	1	53.22	1	88.47	1	184.4	1	35.26	1	10.07
PI643354	Pinnacle	1	102.78	1	53.82	1	89.02	1	184.77	1	37.3	1	10.48
SCARLETT	Scarlett	1	121.7	1	53.46	1	89.29	1	187.44	1	32.01	1	9.91
AVERAGE		8	109.07	8	52.98	8	87.15	8	183.57	8	31.29	8	11.99

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	123.91	126.86	105.93	115.42	119.20	103.30	136.15	80.70	8	113.93
6B952482	Tradition	101.30	120.38	105.23	113.83	106.80	102.10	103.81	79.10	8	104.07
MT910189	Hockett	109.96	114.55	96.17	103.10	94.20	79.10	116.00	85.60	8	99.83
MT970116	Craft	126.99	122.47	92.37	105.92	108.00	103.70	121.32	85.80	8	108.32
PI568246	Baronesse	119.89	124.06	123.47	100.46	116.90	112.20	142.54	95.70	8	116.9
SK 76333	Harrington	106.91	118.29	90.53	96.78	91.70	86.10	114.27	92.60	8	99.65
MT010158	Amsterdam	0.00	124.03	115.90	116.27	109.30	100.70	118.04	68.70	7	108.93
MT010160	MT920041/Harrington	0.00	122.34	103.63	104.66	118.50	87.20	127.31	78.90	7	107.42
MT960101	Geraldine	124.97	128.38	0.00	111.95	123.30	96.50	129.81	82.20	7	112.74
2B965057	Conrad	0.00	0.00	116.37	113.64	107.80	102.00	130.60	81.30	6	112.38
MT020155	MT960225/H1851195	0.00	0.00	104.20	105.43	118.20	97.60	127.43	85.90	6	110.15
MT020162	MT960225/H1851195	0.00	0.00	119.17	114.61	118.80	100.60	130.36	83.00	6	114.94
YU501385	Champion	0.00	0.00	0.00	115.80	125.30	113.00	140.04	89.30	5	119.82
MT030042	MT910189/MT960099	0.00	0.00	0.00	120.85	107.90	100.10	133.46	72.20	5	109.77
TR232	Metcalfe	0.00	0.00	103.07	0.00	100.80	87.60	110.26	78.70	5	100.38
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	135.36	104.40	2	125.97
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	127.15	75.10	2	106.26
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	117.81	85.20	2	106.66
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	120.73	85.70	2	108.46
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	107.06	80.80	2	98.7
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	125.49	97.20	2	117
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	131.58	94.80	2	118.94
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	124.18	85.10	2	109.96
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	120.47	83.30	2	107.06
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	118.00	82.50	2	105.34
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	137.72	90.80	2	120.07
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	129.07	88.00	2	114.05
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	136.56	76.90	2	112.15
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	115.36	73.80	2	99.39
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	137.07	87.90	2	118.2
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.30	1	116.19
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.80	1	128.19
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.70	1	118.17
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.70	1	116.76
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.20	1	121.7
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.20	1	116.05
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.90	1	135.39
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.50	1	110.83
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	70.59
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.60	1	119.44
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.80	1	115.49
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.60	1	122.26
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.30	1	126.08
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.60	1	113.79
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	103.06
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.10	1	121.56
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.10	1	110.26
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.30	1	113.37
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.70	1	119.58
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.00	1	110.12
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.80	1	114.07
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.00	1	117.18
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.10	1	131.44

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.50	1	110.83
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.20	1	117.46
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.40	1	117.75
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.40	1	110.69
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.90	1	112.8
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.30	1	116.19
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.10	1	103.2
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.60	1	113.79
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.60	1	118.03
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.80	1	102.78
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.20	1	121.7
AVERAGE		116.28	122.37	106.34	109.91	111.11	98.12	125.50	82.90	8	109.07

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	54.30	54.57	55.70	54.40	56.47	52.00	53.11	54.02	8	54.32
6B952482	Tradition	48.70	51.93	51.60	52.30	53.16	53.50	49.59	51.18	8	51.49
MT910189	Hockett	51.00	53.89	54.80	52.70	53.23	53.60	51.95	54.26	8	53.18
MT970116	Craft	52.30	54.06	55.50	54.00	55.77	55.20	53.30	53.46	8	54.2
PI568246	Baronesse	51.80	52.11	52.90	51.60	53.79	53.80	52.38	53.62	8	52.75
SK 76333	Harrington	51.20	51.61	53.00	51.40	52.03	51.80	50.76	53.71	8	51.94
MT010158	Amsterdam	0.00	53.80	54.60	54.30	54.85	50.60	52.56	53.06	7	53.39
MT010160	MT920041/Harrington	0.00	52.87	54.90	53.40	54.00	51.80	52.10	53.59	7	53.23
MT960101	Geraldine	51.40	53.06	0.00	54.00	53.72	52.40	52.24	53.65	7	53.12
2B965057	Conrad	0.00	0.00	54.10	52.60	52.31	53.40	52.03	52.99	6	52.94
MT020155	MT960225/H1851195	0.00	0.00	52.20	53.50	53.86	55.50	50.84	53.23	6	53.23
MT020162	MT960225/H1851195	0.00	0.00	53.90	53.70	55.41	53.60	52.26	52.98	6	53.68
YU501385	Champion	0.00	0.00	0.00	54.70	55.98	52.60	52.00	54.18	5	54.21
MT030042	MT910189/MT960099	0.00	0.00	0.00	55.50	55.13	50.60	52.54	54.44	5	53.96
TR232	Metcalfe	0.00	0.00	53.10	0.00	53.93	51.50	51.50	52.95	5	52.66
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	52.13	53.37	2	53.49
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	52.55	53.18	2	53.61
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	51.29	52.59	2	52.67
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	52.23	53.96	2	53.84
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	51.55	53.42	2	53.23
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	51.09	53.35	2	52.96
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	52.61	54.05	2	54.08
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	52.24	53.49	2	53.61
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	51.92	52.78	2	53.09
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	51.68	53.49	2	53.33
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	51.01	53.28	2	52.88
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	51.05	53.22	2	52.87
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	51.99	52.98	2	53.23
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	51.16	53.33	2	52.98
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	51.70	52.97	2	53.07
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.34	1	52.63
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.49	1	53.79
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.94	1	53.24
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	54.2
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.42	1	52.71
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.03	1	52.32
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.61	1	52.9
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.83	1	54.13
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.99	1	42.22
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.40	1	53.7
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.81	1	54.11
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.47	1	52.76
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.54	1	52.83
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.45	1	53.75
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.81	1	53.1
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.47	1	53.77
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.88	1	53.17
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.94	1	52.23

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.25	1	53.55
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.13	1	53.43
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.55	1	52.84
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.09	1	54.39
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.78	1	55.09
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.63	1	52.92
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.89	1	53.18
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.05	1	54.35
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.01	1	53.31
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.15	1	52.44
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.73	1	52.02
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.35	1	53.65
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.99	1	53.29
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.92	1	53.22
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.52	1	53.82
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.16	1	53.46
AVERAGE		51.53	53.10	53.86	53.44	54.24	52.79	51.85	53.02	8	52.98

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	98.00	96.00	99.00	99.00	91.00	29.00	94.53	96.90	8	87.93
6B952482	Tradition	98.00	94.00	97.00	97.00	88.00	32.00	99.06	97.00	8	87.76
MT910189	Hockett	94.00	96.00	98.00	98.00	91.00	27.00	95.27	97.60	8	87.11
MT970116	Craft	96.00	97.00	99.00	97.00	91.00	27.00	96.73	97.50	8	87.65
PI568246	Baronesse	99.00	94.00	95.00	84.00	86.00	30.00	97.23	97.20	8	85.3
SK 76333	Harrington	97.00	95.00	98.00	90.00	78.00	31.00	96.36	97.60	8	85.37
MT010158	Amsterdam	0.00	96.00	99.00	97.00	95.00	29.00	97.01	96.90	7	88.58
MT010160	MT920041/Harrington	0.00	96.00	99.00	93.00	89.00	31.00	95.61	94.80	7	86.91
MT960101	Geraldine	95.00	92.00	0.00	94.00	90.00	28.00	97.62	95.80	7	86.18
2B965057	Conrad	0.00	0.00	99.00	97.00	89.00	33.00	97.02	97.40	6	88.44
MT020155	MT960225/H1851195	0.00	0.00	95.00	95.00	90.00	27.00	94.06	96.10	6	85.81
MT020162	MT960225/H1851195	0.00	0.00	99.00	98.00	95.00	25.00	95.67	96.20	6	87.83
YU501385	Champion	0.00	0.00	0.00	98.00	96.00	27.00	97.15	96.80	5	88.9
MT030042	MT910189/MT960099	0.00	0.00	0.00	96.00	87.00	28.00	93.44	97.30	5	86.07
TR232	Metcalfe	0.00	0.00	96.00	0.00	93.00	29.00	96.11	96.70	5	88.01
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	97.37	97.50	2	89.51
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	97.09	98.10	2	89.66
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	98.08	98.30	2	90.2
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	93.81	96.50	2	87.41
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	96.54	97.00	2	88.9
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	96.86	96.30	2	88.72
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	97.18	97.30	2	89.33
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	97.23	97.30	2	89.35
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	97.61	97.10	2	89.44
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	95.89	98.90	2	89.47
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	94.30	98.20	2	88.42
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	96.51	97.90	2	89.3
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	96.65	97.90	2	89.36
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	96.98	98.40	2	89.74
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	95.34	97.10	2	88.39
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.80	1	88.75
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.10	1	88.11
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.40	1	88.38
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	1	88.65
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.90	1	88.84
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.10	1	88.11
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.90	1	87.93
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.90	1	85.21
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.50	1	85.75
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.90	1	87.93
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	86.2
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	1	88.56
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	1	88.47
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.90	1	88.84
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.40	1	88.38
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	1	88.65
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	1	88.65
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.20	1	88.2

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	88.93
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	1	88.47
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	1	88.65
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	1	88.65
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	88.93
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.80	1	88.75
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.90	1	88.84
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.40	1	89.29
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	88.93
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.90	1	87.93
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.10	1	88.11
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	88.93
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	1	88.47
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	1	88.47
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.10	1	89.02
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.40	1	89.29
AVERAGE		96.71	95.11	97.75	95.21	89.93	28.87	96.34	97.27	8	87.15

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	186.00	181.00	183.00	182.00	175.00	177.00	181.00	199.20	8	183.02
6B952482	Tradition	185.00	179.00	182.00	179.00	175.00	178.00	180.00	197.30	8	181.91
MT910189	Hockett	183.00	180.00	182.00	180.00	175.00	180.00	185.00	199.90	8	183.11
MT970116	Craft	185.00	180.00	181.00	180.00	175.00	179.00	181.00	199.80	8	182.6
PI568246	Baronesse	185.00	182.00	183.00	182.00	178.00	179.00	185.00	200.10	8	184.26
SK 76333	Harrington	185.00	182.00	183.00	183.00	177.00	179.00	184.00	201.30	8	184.29
MT010158	Amsterdam	0.00	181.00	182.00	182.00	178.00	174.00	186.00	202.00	7	184
MT010160	MT920041/Harrington	0.00	181.00	182.00	181.00	178.00	180.00	185.00	202.60	7	184.66
MT960101	Geraldine	188.00	183.00	0.00	183.00	179.00	176.00	185.00	203.30	7	185.32
2B965057	Conrad	0.00	0.00	183.00	182.00	179.00	176.00	185.00	201.20	6	184.53
MT020155	MT960225/H1851195	0.00	0.00	179.00	178.00	172.00	179.00	181.00	198.30	6	181.37
MT020162	MT960225/H1851195	0.00	0.00	183.00	182.00	177.00	176.00	186.00	203.40	6	184.73
YU501385	Champion	0.00	0.00	0.00	180.00	176.00	178.00	182.00	199.60	5	183.31
MT030042	MT910189/MT960099	0.00	0.00	0.00	179.00	178.00	179.00	182.00	199.70	5	183.73
TR232	Metcalfe	0.00	0.00	182.00	0.00	178.00	179.00	184.00	200.90	5	184.76
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	186.00	200.80	2	186.2
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	182.00	200.70	2	184.23
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	184.00	200.40	2	185.05
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	185.00	200.90	2	185.77
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	181.00	200.50	2	183.65
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	186.00	200.20	2	185.91
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	185.00	200.30	2	185.48
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	185.00	202.20	2	186.39
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	185.00	204.00	2	187.26
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	182.00	199.50	2	183.65
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	185.00	199.50	2	185.09
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	182.00	199.50	2	183.65
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	181.00	199.80	2	183.31
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	179.00	199.10	2	182.01
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	181.00	201.70	2	184.23
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	204.40	1	187.8
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.90	1	185.51
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.90	1	183.67
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	204.90	1	188.26
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.80	1	184.5
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.30	1	185.87
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.30	1	185.87
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.20	1	185.78
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.30	1	183.12
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.90	1	185.51
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.30	1	183.12
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.20	1	183.02
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.40	1	183.21
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.90	1	184.59
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.20	1	183.94
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.20	1	186.7
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.30	1	185.87
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.60	1	186.15
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.90	1	185.51
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.40	1	185.97
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.50	1	186.06
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.80	1	187.25
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.60	1	187.07

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.40	1	186.88
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.00	1	185.6
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.30	1	185.87
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.40	1	185.97
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.20	1	186.7
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.90	1	185.51
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.00	1	184.68
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.80	1	184.5
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.70	1	184.4
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.10	1	184.77
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	204.00	1	187.44
AVERAGE		185.29	181.00	182.08	180.93	176.67	177.93	183.37	201.28	8	183.57

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	34.00	30.00	36.00	36.00	32.00	29.00	24.70	25.70	8	30.92
6B952482	Tradition	29.00	33.00	40.00	39.00	36.00	32.00	28.10	33.70	8	33.85
MT910189	Hockett	27.00	33.00	35.00	34.00	32.00	27.00	26.10	28.80	8	30.36
MT970116	Craft	34.00	34.00	39.00	38.00	33.00	27.00	29.60	31.60	8	33.28
PI568246	Baronesse	30.00	34.00	36.00	32.00	30.00	30.00	24.90	26.60	8	30.44
SK 76333	Harrington	32.00	30.00	35.00	34.00	31.00	31.00	27.00	29.40	8	31.17
MT010158	Amsterdam	0.00	28.00	32.00	34.00	31.00	29.00	27.00	29.70	7	30.53
MT010160	MT920041/Harrington	0.00	33.00	36.00	37.00	34.00	31.00	27.90	32.30	7	33.5
MT960101	Geraldine	30.00	32.00	0.00	32.00	32.00	28.00	25.60	26.60	7	30.16
2B965057	Conrad	0.00	0.00	34.00	33.00	28.00	33.00	26.00	27.20	6	30.55
MT020155	MT960225/H1851195	0.00	0.00	35.00	37.00	35.00	27.00	26.70	29.80	6	32.12
MT020162	MT960225/H1851195	0.00	0.00	37.00	38.00	34.00	25.00	28.20	28.60	6	32.17
YU501385	Champion	0.00	0.00	0.00	34.00	31.00	27.00	28.10	29.00	5	31.28
MT030042	MT910189/MT960099	0.00	0.00	0.00	33.00	30.00	28.00	25.40	30.30	5	30.78
TR232	Metcalfe	0.00	0.00	36.00	0.00	32.00	29.00	29.20	31.70	5	33.13
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	29.40	27.30	2	34.79
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	28.40	30.40	2	36.08
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	29.50	26.60	2	34.42
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	25.70	26.70	2	32.15
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	27.50	28.30	2	34.24
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	20.40	22.90	2	26.57
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	28.10	29.30	2	35.22
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	27.40	29.10	2	34.67
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	27.20	29.40	2	34.73
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	26.80	29.30	2	34.42
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	25.20	27.60	2	32.4
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	26.00	25.60	2	31.66
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	25.60	26.80	2	32.15
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	26.40	29.40	2	34.24
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	28.30	30.30	2	35.96
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.40	1	32.97
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.40	1	29.36
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.30	1	34.05
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	34.9
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.10	1	38.63
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.40	1	29.36
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	1	33.21
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	34.9
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.30	1	37.66
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.70	1	34.53
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	1	36.1
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.90	1	29.96
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.80	1	28.64
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.30	1	32.85
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.70	1	33.33
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.90	1	37.18
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.40	1	32.97
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.30	1	36.46

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ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	1	33.69
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	1	37.3
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	1	36.1
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.70	1	35.74
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.30	1	36.46
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	34.9
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	34.9
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.70	1	38.14
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	1	36.1
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.20	1	36.34
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.90	1	37.18
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.60	1	35.62
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.10	1	35.02
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.30	1	35.26
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	1	37.3
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.60	1	32.01
AVERAGE		30.86	31.89	35.92	35.07	32.07	28.87	26.88	28.75	8	31.29

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT950186	Haxby	13.30	13.10	12.47	12.33	12.60	12.10	12.64	9.55	8	12.26
6B952482	Tradition	14.60	12.10	12.77	11.45	12.20	12.10	11.10	9.93	8	12.03
MT910189	Hockett	13.20	12.90	12.77	12.57	12.50	11.50	11.80	10.31	8	12.19
MT970116	Craft	13.32	13.80	13.10	12.65	12.30	12.40	11.48	9.52	8	12.32
PI568246	Baronesse	13.10	12.40	12.23	12.09	11.80	11.40	11.38	7.55	8	11.49
SK 76333	Harrington	13.23	12.40	12.37	11.99	12.90	11.70	10.42	9.18	8	11.77
MT010158	Amsterdam	0.00	13.80	14.03	12.37	12.50	11.90	11.01	9.43	7	12.3
MT010160	MT920041/Harrington	0.00	13.80	13.20	11.90	13.00	12.00	11.30	9.68	7	12.27
MT960101	Geraldine	12.55	12.50	0.00	11.53	12.50	11.80	10.91	7.62	7	11.37
2B965057	Conrad	0.00	0.00	13.30	12.29	13.70	12.50	11.85	8.95	6	12.42
MT020155	MT960225/H1851195	0.00	0.00	13.93	13.38	13.30	11.80	11.05	10.19	6	12.6
MT020162	MT960225/H1851195	0.00	0.00	13.47	13.34	13.10	12.60	11.50	8.52	6	12.4
YU501385	Champion	0.00	0.00	0.00	11.31	11.70	11.10	11.19	8.33	5	11.1
MT030042	MT910189/MT960099	0.00	0.00	0.00	10.99	12.20	11.10	10.66	8.50	5	11.07
TR232	Metcalfe	0.00	0.00	12.83	0.00	12.60	12.10	10.89	8.69	5	11.8
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	10.25	8.46	2	10.34
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	12.20	9.04	2	11.74
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	11.29	8.47	2	10.92
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	11.57	8.65	2	11.17
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	12.17	8.77	2	11.57
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	9.62	8.85	2	10.21
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	10.44	9.32	2	10.92
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	11.27	9.13	2	11.27
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	11.83	10.69	2	12.44
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	12.04	9.19	2	11.73
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	11.35	8.80	2	11.13
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	10.45	9.01	2	10.75
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	11.19	8.61	2	10.94
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	10.94	9.23	2	11.15
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	10.23	8.67	2	10.44
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.53	1	10.95
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	1	9.91
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.17	1	11.77
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.05	1	12.9
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.89	1	12.7
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.61	1	9.77
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.88	1	12.68
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	1	11.3
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.26	1	15.74
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.89	1	11.41
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.88	1	11.4
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.01	1	11.57
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.18	1	10.5
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.82	1	11.32
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.27	1	10.62
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	1	9.45
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.90	1	10.14
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.33	1	9.41

Conrad

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2011	# Yrs	Comp Ave
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	1	11.67
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63	1	9.8
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.96	1	11.5
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.16	1	10.48
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.49	1	10.9
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.94	1	10.19
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.17	1	10.49
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.89	1	10.13
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	1	9.91
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.46	1	10.86
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.72	1	11.2
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.26	1	10.61
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.95	1	10.21
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	1	10.07
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.16	1	10.48
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72	1	9.91
AVERAGE		13.33	12.98	13.04	12.16	12.59	11.87	11.20	8.76	8	11.99

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	107.04	9	53.62	9	181.09	9	30.23	9	13.11
6B952482	Tradition	9	99.06	9	50.29	9	180.24	9	33.45	9	13.51
MT910189	Hockett	9	100.41	9	52.21	9	180.46	9	30.36	9	13.2
MT970116	Craft	9	106.55	9	52.76	9	180.79	9	32.79	9	13.46
PI568246	Baronesse	9	109.34	9	51.12	9	183.24	9	29.43	9	13.52
SK 76333	Harrington	9	96.77	9	49.48	9	183.1	9	30.19	9	13.73
MT010158	Amsterdam	8	100.96	8	52.04	8	181.4	8	29.59	8	13.94
MT010160	MT920041/Harrington	8	104.02	8	51.64	8	182.92	8	31.19	8	13.67
MT960101	Geraldine	8	99.04	8	50.1	8	184.54	8	29.26	8	13.7
2B965057	Conrad	7	106.8	7	51.11	7	183.59	7	28.57	7	14.15
MT020155	MT960225/H1851195	7	107.4	7	52	7	179.03	7	30.82	7	13.29
MT020162	MT960225/H1851195	7	111.3	7	52.45	7	183.55	7	31.82	7	13.53
MT030042	MT910189/MT960099	6	100.21	6	52.22	6	182.01	6	29.18	6	12.43
TR232	Metcalfe	6	99.94	6	51.12	6	182.13	6	31.8	6	13.99
YU501385	Champion	5	113.59	5	53.04	5	182.19	5	30.51	5	12.83
MT061035	Baronesse/MT981210	3	120.96	3	52.29	3	183.11	3	31.29	3	13.13
MT061104	Harrington/MT970229	3	111.93	3	51.92	3	181.9	3	31.1	3	13.04
MT061169	MT960101/Coors 37	3	117.25	3	51.55	3	183.43	3	28.69	3	13.57
MT070086	MT970148/Coors37	3	116.75	3	51.9	3	185.27	3	23.94	3	12.76
MT070111	MT010178/Harrington	3	115.93	3	52.25	3	182.67	3	31.32	3	12.69
MT070125	MT981210/MT970116	3	114.85	3	52.73	3	183.73	3	31.55	3	12.93
MT070148	MT990172/Metcalfe	3	107.03	3	51.73	3	181.57	3	29.57	3	13.29
MT070158	MT970148/Klages	3	118.34	3	52.16	3	181.86	3	29.46	3	13.14
MT070159	MT970148/Klages	3	115.92	3	51.9	3	182.02	3	28.05	3	12.94
MT070161	MT970148/Klages	3	115.85	3	51.99	3	181.88	3	29.38	3	13.11
MT070175	LK644///Hockett F5	3	110.15	3	51.95	3	182.16	3	30.34	3	12
EM090117	03013-25	2	118.95	2	52.05	2	187.5	2	28.04	2	13.38
EM090128	03021-03	2	122.58	2	52.62	2	186.26	2	26.91	2	12.79
COPELAND	Copeland	2	112.13	2	50.2	2	183.2	2	33.85	2	12.57
MT061134	Kendal/Conlon	2	106.91	2	52.23	2	182.91	2	31.42	2	13.78
MT061201	MT970110/LK232	2	102.96	2	52.38	2	181.68	2	32.6	2	13.58
MT070136	MT010178/MT970148	2	106.31	2	52.84	2	184.79	2	31.34	2	13.7
MT080081	Coors/Metcalfe	2	121.91	2	51.86	2	184.66	2	28.9	2	13.05
MT080083	Coors/Metcalfe	2	116.79	2	51.88	2	185.18	2	27.78	2	13.29
MT080085	Coors/Metcalfe	2	107.01	2	51.46	2	184.5	2	29.3	2	12.55
MT080100	Karma	2	61.93	2	59.02	2	183.69	2	32.57	2	15.55
MT080243	MT960101/MT981210	2	108.92	2	52.24	2	182.54	2	31.8	2	12.85
MT080261	MT970026/MT981091	2	109.06	2	51.5	2	180.56	2	28.67	2	13.33
MT080279	MT970148/MT970116	2	118.34	2	51.09	2	181.09	2	28.22	2	12.73
MT080281	MT970148/MT970116	2	112.9	2	50.83	2	181.48	2	29.82	2	12.56
MT080285	MT970148/MT970116	2	116.25	2	52	2	181.41	2	28.32	2	12.71
PI643354	Pinnacle	2	95.82	2	51.21	2	180.77	2	30.61	2	12.02
SCARLETT	Scarlett	2	108.11	2	52.15	2	185.29	2	27.36	2	13.47
MT070174	LK644///Hockett F5	2	103.21	2	53.25	2	180.58	2	29.72	2	12.06
EM090105	05032-068	1	110.81	1	51.07	1	181.38	1	29.09	1	13.02
EM090081	05037-079	1	115.9	1	52.93	1	183.22	1	31.27	1	13.5
MT090169	MT910189*/LK644/EslickBC3F43G3	1	103.18	1	52.83	1	181.18	1	29.09	1	11.07
MT090176	MT910189*/LK644/EslickBC3F33-G	1	103.93	1	52.34	1	182.73	1	30.34	1	11.27
MT090178	MT910189*/LK644/EslickBC3F33-G	1	101.1	1	52.54	1	182.63	1	31.17	1	11.75
MT090180	MT910189*/LK644/EslickBC3F33-G	1	116.56	1	52.83	1	182.93	1	32.41	1	11.56

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090181	MT910189*/LK644/EslickBC3F33-G	1	114.01	1	53.03	1	182.05	1	30.65	1	11.56
MT090182	MT910189*/LK644/EslickBC3F33-G	1	115.9	1	52.93	1	182.63	1	31.79	1	11.37
MT090183	MT910189*/LK644/EslickBC3F33-G	1	103.08	1	52.15	1	182.05	1	31.69	1	11.95
MT090184	MT910189*/LK644/EslickBC3F33-G	1	106.29	1	52.93	1	182.44	1	30.96	1	11.95
MT090186	MT910189*/LK644/EslickBC3F33-G	1	94.98	1	52.54	1	182.63	1	29.61	1	11.66
MT090188	MT910189*/LK644/EslickBC3F33-G	1	102.04	1	52.44	1	182.93	1	30.13	1	11.85
MT090190	MT910189*/LK644/EslickBC3F33-G	1	110.34	1	52.83	1	182.44	1	31.58	1	11.27
MT090191	MT910189*/LK644/EslickBC3F33-G	1	102.89	1	52.83	1	182.73	1	31.69	1	11.66
MT090192	MT910189*/LK644/EslickBC3F33-G	1	107.23	1	53.23	1	182.93	1	31.58	1	11.46
MT090193	MT910189*/LK644/EslickBC3F33-G	1	108.26	1	52.25	1	183.12	1	31.06	1	11.85
MT090194	MT910189*/LK644/EslickBC3F33-G	1	108.64	1	52.74	1	183.02	1	31.48	1	11.56
MT090202	MT910189*/LK644/EslickBC3F37-I	1	102.61	1	52.64	1	181.38	1	30.96	1	12.24
MT090227	MT910189*/LK644/EslickBC3F37-L	1	103.46	1	52.74	1	180.99	1	30.54	1	12.05
MT090229	MT910189*/LK644/EslickBC3F37-L	1	107.51	1	52.44	1	180.8	1	30.13	1	11.75
AVERAGE		9	103.88	9	51.54	9	182.07	9	30.5	9	13.44

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	76.87	84.10	135.61	99.28	124.88	93.50	127.86	107.65	113.60	9	107.04
6B952482	Tradition	65.44	85.98	133.51	81.93	120.52	77.30	122.90	96.15	107.80	9	99.06
MT910189	Hockett	59.90	78.13	128.70	95.65	112.09	90.60	124.35	103.73	110.50	9	100.41
MT970116	Craft	75.92	77.31	137.97	102.59	118.72	84.10	134.23	112.32	115.80	9	106.55
PI568246	Baronesse	68.33	80.83	133.97	88.26	117.21	96.10	140.25	131.02	128.10	9	109.34
SK 76333	Harrington	52.61	72.11	124.84	78.04	102.43	80.70	128.21	122.21	109.80	9	96.77
MT010158	Amsterdam	0.00	71.37	136.07	94.26	118.31	81.60	131.08	117.01	86.40	8	100.96
MT010160	MT920041/Harrington	0.00	75.92	129.74	92.59	119.05	83.70	128.70	120.00	111.80	8	104.02
MT960101	Geraldine	61.43	69.39	0.00	88.19	107.17	82.70	128.79	115.32	112.90	8	99.04
2B965057	Conrad	0.00	0.00	128.88	92.58	115.36	91.90	132.05	126.89	112.90	7	106.8
MT020155	MT960225/H1851195	0.00	0.00	133.23	103.75	128.35	86.20	126.07	114.32	113.20	7	107.4
MT020162	MT960225/H1851195	0.00	0.00	140.66	100.65	122.98	87.70	134.61	126.81	120.90	7	111.3
MT030042	MT910189/MT960099	0.00	0.00	0.00	95.37	116.01	84.30	109.44	104.44	114.70	6	100.21
TR232	Metcalfe	0.00	0.00	117.89	0.00	115.78	84.20	120.24	106.96	111.40	6	99.94
YU501385	Champion	0.00	0.00	0.00	110.60	132.51	82.70	144.83	0.00	122.70	5	113.59
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	138.66	134.56	121.30	3	120.96
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	136.05	117.82	111.20	3	111.93
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	133.52	128.30	120.60	3	117.25
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	133.23	130.05	117.50	3	116.75
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	141.82	118.68	117.60	3	115.93
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	136.78	117.41	120.40	3	114.85
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	122.54	116.85	109.70	3	107.03
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	134.51	127.47	124.00	3	118.34
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	134.44	125.15	118.50	3	115.92
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	140.44	124.51	112.90	3	115.85
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	135.53	111.74	112.00	3	110.15
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.67	113.20	2	118.95
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.08	112.30	2	122.58
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.67	108.10	2	112.13
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	129.16	0.00	112.00	2	106.91
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	120.55	0.00	111.70	2	102.96
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	128.71	0.00	111.10	2	106.31
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139.38	112.60	2	121.91
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.11	113.30	2	116.79
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.10	105.10	2	107.01
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.02	61.00	2	61.93
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.43	112.70	2	108.92
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.52	111.90	2	109.06
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.71	118.90	2	118.34
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.46	111.90	2	112.9
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.48	115.80	2	116.25
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.07	99.00	2	95.82
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.77	105.70	2	108.11
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	124.42	0.00	108.40	2	103.21
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.60	1	110.81
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.00	1	115.9
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.50	1	103.18
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.30	1	103.93
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.30	1	101.1
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.70	1	116.56
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.00	1	114.01
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.00	1	115.9
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.40	1	103.08
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.80	1	106.29
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.80	1	94.98
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.30	1	102.04

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.10	1	110.34
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.20	1	102.89
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.80	1	107.23
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.90	1	108.26
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.30	1	108.64
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.90	1	102.61
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.80	1	103.46
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.10	1	107.51
AVERAGE		65.79	77.24	131.76	94.55	118.09	85.82	130.80	118.46	112.39	9	103.88

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	51.75	50.85	55.20	52.75	54.43	54.40	54.21	54.28	54.70	9	53.62
6B952482	Tradition	46.70	46.30	53.45	47.70	52.64	50.50	53.00	51.19	51.10	9	50.29
MT910189	Hockett	51.40	47.50	55.70	52.40	53.58	52.50	52.64	50.75	53.40	9	52.21
MT970116	Craft	51.05	47.45	55.60	52.15	53.63	53.00	54.26	53.30	54.40	9	52.76
PI568246	Baronesse	48.40	44.65	53.90	48.70	51.84	52.60	54.12	52.80	53.10	9	51.12
SK 76333	Harrington	46.95	42.45	52.65	46.70	50.55	50.40	52.66	51.32	51.60	9	49.48
MT010158	Amsterdam	0.00	46.00	55.60	50.60	54.04	52.60	53.69	51.90	53.70	8	52.04
MT010160	MT920041/Harrington	0.00	43.45	56.15	49.70	53.23	52.90	54.12	52.61	52.80	8	51.64
MT960101	Geraldine	48.30	43.15	0.00	48.95	50.81	50.10	54.25	51.30	52.50	8	50.1
2B965057	Conrad	0.00	0.00	53.25	49.50	50.91	52.70	53.04	50.42	52.40	7	51.11
MT020155	MT960225/H1851195	0.00	0.00	54.80	51.75	53.80	51.80	52.13	51.24	53.00	7	52
MT020162	MT960225/H1851195	0.00	0.00	54.15	52.25	53.26	51.80	54.69	52.17	53.40	7	52.45
MT030042	MT910189/MT960099	0.00	0.00	0.00	51.65	52.07	53.70	53.40	51.68	53.80	6	52.22
TR232	Metcalfe	0.00	0.00	52.25	0.00	52.05	50.80	53.12	50.86	52.90	6	51.12
YU501385	Champion	0.00	0.00	0.00	52.70	54.05	53.10	53.94	0.00	53.80	5	53.04
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	53.49	52.95	52.70	3	52.29
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	53.57	51.65	52.80	3	51.92
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	52.77	51.72	52.40	3	51.55
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	52.25	53.52	52.20	3	51.9
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	54.30	52.02	52.70	3	52.25
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	54.48	52.01	54.00	3	52.73
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	53.27	52.38	51.80	3	51.73
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	54.15	51.51	53.10	3	52.16
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	53.32	52.35	52.30	3	51.9
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	53.32	51.82	53.10	3	51.99
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	53.26	50.86	54.00	3	51.95
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.69	53.10	2	52.05
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.85	54.10	2	52.62
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.44	50.60	2	50.2
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	53.48	0.00	52.60	2	52.23
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	53.79	0.00	52.60	2	52.38
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	53.53	0.00	53.80	2	52.84
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.21	52.20	2	51.86
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.95	52.50	2	51.88
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.19	53.40	2	51.46
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.36	63.60	2	59.02
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.47	52.70	2	52.24
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.38	53.30	2	51.5
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.55	52.30	2	51.09
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.51	51.80	2	50.83
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.49	53.20	2	52
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.68	53.40	2	51.21
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.99	53.00	2	52.15
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	53.76	0.00	54.40	2	53.25
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.10	1	51.07
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	52.93
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	52.83
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.40	1	52.34
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	1	52.54
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	52.83
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	53.03

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	52.93
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.20	1	52.15
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	52.93
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	1	52.54
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	1	52.44
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	52.83
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	1	52.83
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	53.23
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.30	1	52.25
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.80	1	52.74
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	52.64
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.80	1	52.74
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	1	52.44
AVERAGE		49.22	45.76	54.39	50.54	52.73	52.19	53.53	52.14	53.34	9	51.54

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	67.70	34.60	85.45	47.60	73.01	79.90	86.95	90.88	90.30	9	72.93
6B952482	Tradition	42.25	22.65	74.90	22.25	89.69	88.00	91.40	92.60	83.60	9	67.48
MT910189	Hockett	82.95	43.55	90.50	67.20	85.26	89.00	85.12	85.06	94.10	9	80.3
MT970116	Craft	68.75	41.25	80.70	60.80	73.68	88.20	90.03	89.83	94.20	9	76.38
PI568246	Baronesse	66.75	20.10	72.40	33.75	70.40	84.00	90.56	92.89	91.90	9	69.19
SK 76333	Harrington	61.55	33.10	67.10	27.55	73.53	86.50	87.40	90.82	91.00	9	68.73
MT010158	Amsterdam	0.00	28.20	89.35	50.10	89.50	91.90	89.99	94.61	94.90	8	77.87
MT010160	MT920041/Harrington	0.00	21.75	77.70	41.50	79.28	86.20	89.57	91.82	90.70	8	71.67
MT960101	Geraldine	47.15	15.25	0.00	22.15	52.56	55.40	80.37	82.56	82.70	8	55.97
2B965057	Conrad	0.00	0.00	81.35	46.50	80.63	93.60	91.04	94.49	93.70	7	76.52
MT020155	MT960225/H1851195	0.00	0.00	84.25	55.80	79.55	85.70	76.56	84.21	93.20	7	73.61
MT020162	MT960225/H1851195	0.00	0.00	87.70	67.20	78.53	78.50	91.58	93.91	92.60	7	77.66
MT030042	MT910189/MT960099	0.00	0.00	0.00	34.00	62.96	80.60	75.14	80.88	84.90	6	65.13
TR232	Metcalfe	0.00	0.00	58.05	0.00	77.80	85.30	89.98	86.47	93.30	6	70.69
YU501385	Champion	0.00	0.00	0.00	51.20	77.27	76.60	90.70	0.00	94.20	5	75.29
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	87.66	92.84	92.00	3	74.12
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	93.71	93.46	97.00	3	77.3
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	81.96	89.38	89.90	3	71.06
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	88.87	96.38	94.50	3	76.09
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	90.52	89.39	90.60	3	73.58
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	89.69	90.83	95.70	3	75.13
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	92.99	94.87	95.90	3	77.18
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	90.73	95.11	95.90	3	76.63
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	90.45	93.41	94.80	3	75.8
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	92.30	96.22	95.90	3	77.36
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	89.45	94.48	94.20	3	75.65
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.14	94.50	2	77.55
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.06	86.10	2	73.33
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.24	90.50	2	74.37
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	93.09	0.00	93.20	2	76.65
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	90.45	0.00	94.90	2	76.27
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	88.71	0.00	93.80	2	75.1
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.98	93.30	2	77
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.18	93.00	2	76.96
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.67	90.00	2	71.52
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.56	89.60	2	73.73
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.62	87.80	2	70.61
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.52	89.80	2	68.16
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.42	93.20	2	75.12
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.54	92.00	2	73.88
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.18	94.70	2	75.63
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.98	97.10	2	76.51
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.43	91.20	2	75.93
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	95.08	0.00	97.20	2	79.12
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	1	74.31
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.90	1	73.42
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.20	1	76.89
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.10	1	76
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.90	1	76.65
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	76.73
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.60	1	78.02

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.60	1	76.41
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.10	1	76
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	1	74.95
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.30	1	76.16
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.10	1	76.81
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	1	77.94
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.20	1	76.08
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	1	75.92
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.90	1	77.46
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	1	77.94
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.10	1	76.81
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	1	77.21
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	1	76.57
AVERAGE		62.44	28.94	79.12	44.83	76.24	83.29	88.73	91.77	93.06	9	72.05

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	182.69	181.67	179.00	184.68	173.44	162.40	192.23	186.66	187.00	9	181.09
6B952482	Tradition	181.44	181.33	178.00	183.42	170.20	160.20	191.80	187.67	188.10	9	180.24
MT910189	Hockett	180.58	181.00	177.00	182.90	173.02	163.90	193.38	186.66	185.70	9	180.46
MT970116	Craft	181.98	181.67	177.00	184.41	174.01	162.80	192.42	187.00	185.80	9	180.79
PI568246	Baronesse	183.38	183.00	181.00	187.82	175.21	167.40	195.73	188.34	187.30	9	183.24
SK 76333	Harrington	183.58	183.00	180.33	185.85	176.07	165.40	195.41	190.67	187.60	9	183.1
MT010158	Amsterdam	0.00	181.33	177.33	184.27	175.61	163.50	193.55	187.01	187.00	8	181.4
MT010160	MT920041/Harrington	0.00	182.67	179.33	185.74	175.69	166.00	196.31	188.00	188.00	8	182.92
MT960101	Geraldine	184.18	184.00	0.00	187.18	176.37	170.20	197.49	190.00	189.00	8	184.54
2B965057	Conrad	0.00	0.00	180.00	185.26	175.92	167.10	197.61	189.34	187.70	7	183.59
MT020155	MT960225/H1851195	0.00	0.00	175.33	181.93	169.39	160.80	191.65	186.67	185.30	7	179.03
MT020162	MT960225/H1851195	0.00	0.00	179.00	186.64	174.76	166.60	197.21	189.99	188.40	7	183.55
MT030042	MT910189/MT960099	0.00	0.00	0.00	185.64	173.60	166.20	193.22	187.00	186.30	6	182.01
TR232	Metcalfe	0.00	0.00	180.00	0.00	173.58	162.40	194.59	189.00	187.40	6	182.13
YU501385	Champion	0.00	0.00	0.00	184.90	173.73	167.00	192.62	0.00	187.00	5	182.19
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	196.48	188.34	187.40	3	183.11
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	194.09	187.33	187.00	3	181.9
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	196.81	189.00	187.40	3	183.43
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	198.67	191.00	189.30	3	185.27
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	194.77	188.66	187.40	3	182.67
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	194.72	190.33	189.10	3	183.73
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	193.36	187.33	186.70	3	181.57
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	193.96	187.34	187.00	3	181.86
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	194.83	187.67	186.30	3	182.02
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	193.74	188.34	186.30	3	181.88
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	193.24	189.00	187.00	3	182.16
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.00	191.90	2	187.5
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.33	191.00	2	186.26
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.33	188.70	2	183.2
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	195.75	0.00	187.30	2	182.91
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	193.17	0.00	187.30	2	181.68
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	198.18	0.00	188.80	2	184.79
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.33	189.70	2	184.66
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.00	190.10	2	185.18
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.00	189.70	2	184.5
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.33	189.70	2	183.69
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.67	188.00	2	182.54
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.67	185.90	2	180.56
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.67	186.00	2	181.09
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.67	186.80	2	181.48
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.33	187.00	2	181.41
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.00	186.00	2	180.77
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.34	191.00	2	185.29
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	192.18	0.00	186.00	2	180.58
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.30	1	181.38
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.20	1	183.22
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.10	1	181.18
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.70	1	182.73
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.60	1	182.63
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.90	1	182.93
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.00	1	182.05
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.60	1	182.63
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.00	1	182.05
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.40	1	182.44
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.60	1	182.63
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.90	1	182.93
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.40	1	182.44

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.70	1	182.73
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.90	1	182.93
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.10	1	183.12
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00	1	183.02
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.30	1	181.38
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.90	1	180.99
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.70	1	180.8
AVERAGE		182.55	182.19	178.61	185.05	174.04	164.79	194.64	188.87	187.89	9	182.07

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	33.25	26.41	33.93	34.76	29.36	31.50	26.48	27.30	29.10	9	30.23
6B952482	Tradition	35.67	31.52	38.73	36.89	33.89	33.30	29.91	30.76	30.40	9	33.45
MT910189	Hockett	33.51	26.83	33.32	33.65	30.33	31.00	27.78	27.36	29.50	9	30.36
MT970116	Craft	34.57	29.70	36.16	36.81	32.97	33.00	30.28	30.54	31.10	9	32.79
PI568246	Baronesse	32.97	24.89	31.69	32.00	29.03	32.50	27.49	27.87	26.40	9	29.43
SK 76333	Harrington	35.18	25.87	32.24	32.85	28.99	32.90	26.97	28.02	28.70	9	30.19
MT010158	Amsterdam	0.00	26.10	32.21	31.91	29.85	30.20	28.37	27.09	28.00	8	29.59
MT010160	MT920041/Harrington	0.00	27.54	32.29	34.31	29.35	34.10	29.90	29.68	29.20	8	31.19
MT960101	Geraldine	31.73	25.59	0.00	32.87	27.60	31.20	26.83	26.87	27.80	8	29.26
2B965057	Conrad	0.00	0.00	31.61	33.30	27.15	28.90	26.87	26.60	26.30	7	28.57
MT020155	MT960225/H1851195	0.00	0.00	33.20	33.22	31.76	32.50	27.19	29.06	29.60	7	30.82
MT020162	MT960225/H1851195	0.00	0.00	35.85	36.75	30.69	32.60	29.38	28.61	29.70	7	31.82
MT030042	MT910189/MT960099	0.00	0.00	0.00	32.83	29.38	29.80	25.93	26.72	27.60	6	29.18
TR232	Metcalfe	0.00	0.00	31.81	0.00	32.42	32.80	31.14	28.91	29.80	6	31.8
YU501385	Champion	0.00	0.00	0.00	35.40	29.87	30.30	28.60	0.00	28.40	5	30.51
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	28.76	29.51	27.50	3	31.29
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	28.12	28.34	28.80	3	31.1
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	25.57	26.98	26.10	3	28.69
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	21.82	21.72	22.10	3	23.94
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	28.96	28.31	28.60	3	31.32
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	27.98	28.81	29.70	3	31.55
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	27.24	26.92	26.90	3	29.57
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	26.58	27.08	27.10	3	29.46
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	25.99	25.22	25.70	3	28.05
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	26.93	26.72	26.90	3	29.38
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	27.15	27.53	28.50	3	30.34
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.11	26.20	2	28.04
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20	25.00	2	26.91
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.45	30.70	2	33.85
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	28.86	0.00	28.90	2	31.42
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	29.84	0.00	30.10	2	32.6
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	27.81	0.00	29.80	2	31.34
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.02	26.90	2	28.9
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.93	25.90	2	27.78
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.26	27.40	2	29.3
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.47	29.30	2	32.57
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.23	28.10	2	31.8
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.88	26.60	2	28.67
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.24	26.40	2	28.22
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.24	28.40	2	29.82
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.44	26.40	2	28.32
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.40	28.70	2	30.61
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.35	25.70	2	27.36
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	25.94	0.00	28.70	2	29.72
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	1	29.09
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.10	1	31.27
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	1	29.09
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.20	1	30.34
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	1	31.17
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.20	1	32.41
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.50	1	30.65

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.60	1	31.79
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.50	1	31.69
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.80	1	30.96
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.50	1	29.61
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	30.13
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.40	1	31.58
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.50	1	31.69
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.40	1	31.58
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.90	1	31.06
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.30	1	31.48
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.80	1	30.96
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.40	1	30.54
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	30.13
AVERAGE		33.84	27.16	33.59	34.11	30.18	31.77	27.69	27.69	28.48	9	30.5

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	15.50	16.30	12.90	15.45	11.95	9.00	11.54	11.89	13.50	9	13.11
6B952482	Tradition	16.65	16.95	12.95	16.05	11.98	9.50	12.28	11.74	13.50	9	13.51
MT910189	Hockett	15.35	16.45	13.90	14.75	12.21	9.50	11.43	11.54	13.70	9	13.2
MT970116	Craft	15.50	17.20	14.25	14.60	12.67	9.30	11.69	11.92	14.00	9	13.46
PI568246	Baronesse	16.15	16.90	13.15	16.10	12.68	9.60	11.73	11.64	13.70	9	13.52
SK 76333	Harrington	16.75	17.55	14.20	15.95	12.50	9.70	11.43	11.61	13.90	9	13.73
MT010158	Amsterdam	0.00	17.80	13.70	16.05	12.46	10.20	12.24	12.00	14.50	8	13.94
MT010160	MT920041/Harrington	0.00	18.00	14.00	15.95	12.64	9.40	12.05	11.25	13.60	8	13.67
MT960101	Geraldine	16.25	18.15	0.00	15.75	13.12	9.60	12.05	10.97	13.90	8	13.7
2B965057	Conrad	0.00	0.00	14.80	16.15	12.80	10.10	12.94	11.53	14.70	7	14.15
MT020155	MT960225/H1851195	0.00	0.00	14.00	14.95	11.89	9.30	11.47	11.78	14.00	7	13.29
MT020162	MT960225/H1851195	0.00	0.00	13.95	15.15	12.53	9.60	12.23	12.00	13.50	7	13.53
MT030042	MT910189/MT960099	0.00	0.00	0.00	14.85	11.81	8.80	10.63	10.44	13.00	6	12.43
TR232	Metcalfe	0.00	0.00	15.05	0.00	12.69	9.70	12.28	11.69	14.10	6	13.99
YU501385	Champion	0.00	0.00	0.00	14.05	11.87	9.20	11.47	0.00	13.50	5	12.83
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	11.73	11.43	13.80	3	13.13
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	11.68	11.44	13.60	3	13.04
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	12.02	11.70	14.50	3	13.57
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	11.46	11.86	12.60	3	12.76
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	11.40	11.04	13.30	3	12.69
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	11.77	11.24	13.40	3	12.93
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	11.78	11.84	13.80	3	13.29
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	11.45	11.84	13.70	3	13.14
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	11.78	10.97	13.70	3	12.94
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	11.85	11.56	13.50	3	13.11
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	10.38	10.90	12.50	3	12
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.01	13.90	2	13.38
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.37	13.40	2	12.79
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.94	13.40	2	12.57
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	12.11	0.00	14.20	2	13.78
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	12.12	0.00	13.80	2	13.58
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	12.06	0.00	14.10	2	13.7
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.96	13.30	2	13.05
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.13	13.60	2	13.29
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.89	13.40	2	12.55
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.40	15.70	2	15.55
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.48	13.40	2	12.85
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	13.80	2	13.33
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.24	13.40	2	12.73
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.92	13.40	2	12.56
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41	13.20	2	12.71
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.97	12.30	2	12.02
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.38	13.70	2	13.47
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	10.73	0.00	12.30	2	12.06
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	1	13.02
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.90	1	13.5
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	1	11.07
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.60	1	11.27
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	1	11.75
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	11.56
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	11.56

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.70	1	11.37
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	11.95
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	11.95
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	1	11.66
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	1	11.85
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.60	1	11.27
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	1	11.66
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.80	1	11.46
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	1	11.85
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	11.56
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60	1	12.24
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.40	1	12.05
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.10	1	11.75
AVERAGE		16.02	17.26	13.90	15.41	12.39	9.50	11.73	11.59	13.17	9	13.44

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	9	119.04	9	54.08	9	89.26	8	186.05	9	30.59	9	12.09
6B952482	Tradition	9	105.96	9	51.58	9	94.23	8	185.03	9	34.45	9	12.62
MT910189	Hockett	9	111.63	9	53.7	9	90.14	8	184.63	9	30.8	9	12.32
MT970116	Craft	9	118.48	9	54.17	9	89.49	8	186.1	9	34.3	9	12.19
PI568246	Baronesse	9	123.62	9	52.65	9	85.81	8	187.62	9	29.91	9	12.49
SK 76333	Harrington	9	112.31	9	51.13	9	81.47	8	187.72	9	31.79	9	12.52
MT010158	Amsterdam	8	118.39	8	53.35	8	91.26	7	186.07	8	31.5	8	12.62
MT010160	MT920041/Harrington	8	114.74	8	53.78	8	89.07	7	187.37	8	32.23	8	12.37
MT960101	Geraldine	8	120.77	8	52.33	8	75.8	7	188.1	8	30.43	8	12.26
2B965057	Conrad	7	125.78	7	52.44	7	89.14	6	187.14	7	30.76	7	12.85
MT020155	MT960225/H1851195	7	120.85	7	52.62	7	86.68	6	184.07	7	31.21	7	12.31
MT020162	MT960225/H1851195	7	125.05	7	53.52	7	89.46	6	187.69	7	32.96	7	12.5
MT030042	MT910189/MT960099	6	115.1	6	53.53	6	82.26	5	185.64	6	30.59	6	10.99
TR232	Metcalfe	6	109.68	6	51.94	6	84.77	5	186.5	6	33.02	6	12.64
YU501385	Champion	5	134.79	5	53.82	5	88.47	4	186.23	5	32.21	5	11.85
MT061035	Baronesse/MT981210	3	141.01	3	53.56	3	89.69	3	187.06	3	35.29	3	12.26
MT061104	Harrington/MT970229	3	128.88	3	53.48	3	92.12	3	186.16	3	34.23	3	12.08
MT061169	MT960101/Coors 37	3	133.37	3	54.17	3	87.27	3	187.25	3	32.41	3	12.75
MT070086	MT970148/Coors37	3	132.31	3	53.08	3	89.4	3	187.64	3	26.15	3	11.92
MT070111	MT010178/Harrington	3	128.24	3	53.18	3	88.62	3	186.62	3	33.99	3	12.06
MT070125	MT981210/MT970116	3	128.8	3	53.86	3	90.53	3	188.9	3	34.81	3	11.95
MT070148	MT990172/Metcalfe	3	120.97	3	53.67	3	92.73	3	186.34	3	33.51	3	12.35
MT070158	MT970148/Klages	3	129.82	3	54.22	3	91.22	3	185.91	3	31.56	3	12.16
MT070159	MT970148/Klages	3	127.18	3	53.47	3	89.75	3	185.19	3	31.13	3	12.14
MT070161	MT970148/Klages	3	131.53	3	53.75	3	91.25	3	185.33	3	32.07	3	12.19
MT070175	LK644///Hockett F5	3	128.69	3	53.18	3	90.57	3	187.12	3	35.01	3	10.79
EM090117	03013-25	2	149.66	2	53.82	2	93.33	2	191.76	2	31.34	2	12.6
EM090128	03021-03	2	154.14	2	53.89	2	90.23	2	190.7	2	29.9	2	11.72
COPELAND	Copeland	2	140.74	2	53.06	2	91.79	2	187.92	2	37.34	2	11.45
MT061134	Kendal/Conlon	2	117.17	2	52.8	2	91.53	2	187.27	2	36.48	2	13.08
MT061201	MT970110/LK232	2	113.51	2	53.51	2	89.95	2	185.74	2	35.66	2	13.08
MT070136	MT010178/MT970148	2	113.84	2	53.66	2	90.06	2	189.47	2	34.52	2	13.06
MT080081	Coors/Metcalfe	2	142.46	2	54.19	2	91.98	2	189.86	2	31.84	2	12.22
MT080083	Coors/Metcalfe	2	145.25	2	54.23	2	92.3	2	189.1	2	31.64	2	12.08
MT080085	Coors/Metcalfe	2	124.3	2	52.36	2	86.47	2	187.99	2	32.22	2	11.63
MT080100	Karma	2	77.45	2	62.15	2	89.23	2	189.57	2	35.57	2	14.43
MT080243	MT960101/MT981210	2	132.33	2	53.42	2	88.74	2	188.26	2	35.4	2	11.82
MT080261	MT970026/MT981091	2	122.36	2	53.97	2	84.84	2	186.47	2	31.37	2	11.88
MT080279	MT970148/MT970116	2	134.56	2	53.83	2	89.91	2	184.89	2	30.08	2	11.84
MT080281	MT970148/MT970116	2	132.13	2	53.65	2	90.46	2	185.41	2	30.18	2	11.78
MT080285	MT970148/MT970116	2	144.81	2	54	2	90.07	2	185.74	2	31.43	2	12.28
PI643354	Pinnacle	2	103.79	2	52.59	2	92.41	2	184.6	2	32.51	2	10.97
SCARLETT	Scarlett	2	129.12	2	53.78	2	92.6	2	190.46	2	29.67	2	12.36
MT070174	LK644///Hockett F5	2	124.68	2	53.68	2	93.19	2	187.03	2	33.11	2	11.26
EM090105	05032-068	1	150.49	1	53.59	1	90.75	1	187.13	1	34.74	1	11.81
EM090081	05037-079	1	146.23	1	52.7	1	89.82	1	189.39	1	36.09	1	12.75
MT090169	MT910189*/LK644/EslickBC3F43G3	1	144.85	1	52.7	1	90.66	1	185.46	1	32.6	1	9.75
MT090176	MT910189*/LK644/EslickBC3F33-G	1	142.97	1	53	1	90.1	1	190.96	1	35.41	1	9.84
MT090178	MT910189*/LK644/EslickBC3F33-G	1	159.76	1	53.59	1	91.5	1	189.98	1	38.63	1	10.69
MT090180	MT910189*/LK644/EslickBC3F33-G	1	176.05	1	53.49	1	91.22	1	189.68	1	40.38	1	10.4
MT090181	MT910189*/LK644/EslickBC3F33-G	1	162.27	1	53.49	1	92.06	1	190.27	1	38.9	1	10.59
MT090182	MT910189*/LK644/EslickBC3F33-G	1	168.03	1	53.29	1	90.85	1	190.37	1	38.23	1	10.69
MT090183	MT910189*/LK644/EslickBC3F33-G	1	159.89	1	53.59	1	91.22	1	189.09	1	38.37	1	10.59
MT090184	MT910189*/LK644/EslickBC3F33-G	1	173.04	1	53.59	1	91.13	1	190.86	1	39.57	1	10.5

ID	PEDIGREE	# Yrs	Yield (Bu/Ac)	# Yrs	Test Wt (lbs/Bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT090186	MT910189*/LK644/EslickBC3F33-G	1	167.9	1	53.1	1	90.85	1	189.98	1	39.57	1	10.4
MT090188	MT910189*/LK644/EslickBC3F33-G	1	145.98	1	53	1	91.41	1	190.37	1	36.49	1	10.4
MT090190	MT910189*/LK644/EslickBC3F33-G	1	156.88	1	53.39	1	91.59	1	189.78	1	37.02	1	10.31
MT090191	MT910189*/LK644/EslickBC3F33-G	1	144.1	1	53.98	1	90.85	1	189.98	1	36.49	1	10.4
MT090192	MT910189*/LK644/EslickBC3F33-G	1	157.25	1	53.29	1	90.38	1	189.68	1	38.1	1	10.4
MT090193	MT910189*/LK644/EslickBC3F33-G	1	169.28	1	53.19	1	90.94	1	190.27	1	37.43	1	10.87
MT090194	MT910189*/LK644/EslickBC3F33-G	1	157.25	1	52.8	1	92.06	1	191.55	1	38.37	1	10.5
MT090202	MT910189*/LK644/EslickBC3F37-I	1	146.48	1	53.39	1	92.06	1	188.8	1	36.62	1	10.78
MT090227	MT910189*/LK644/EslickBC3F37-L	1	137.33	1	53.1	1	91.31	1	186.83	1	34.88	1	10.5
MT090229	MT910189*/LK644/EslickBC3F37-L	1	155.88	1	53.39	1	91.22	1	188.41	1	35.68	1	10.22
AVERAGE		9	118.1	9	53.01	9	87.44	8	186.67	9	31.57	9	12.32

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	98.35	127.15	144.79	120.48	128.02	103.40	151.59	102.55	95.00	9	119.04
6B952482	Tradition	75.22	113.84	131.14	111.36	116.97	83.80	127.73	86.27	107.30	9	105.96
MT910189	Hockett	97.45	115.28	136.36	115.74	126.78	84.90	114.17	96.29	117.70	9	111.63
MT970116	Craft	102.07	121.25	138.74	119.13	121.16	105.90	141.36	99.80	116.90	9	118.48
PI568246	Baronesse	98.15	126.15	136.05	117.98	124.84	113.30	150.66	110.81	134.60	9	123.62
SK 76333	Harrington	90.65	120.44	125.62	99.36	115.45	92.90	144.02	97.66	124.70	9	112.31
MT010158	Amsterdam	0.00	123.02	146.83	125.63	116.95	104.60	126.61	105.33	118.70	8	118.39
MT010160	MT920041/Harrington	0.00	123.93	144.85	119.84	114.85	94.40	128.74	90.71	120.50	8	114.74
MT960101	Geraldine	104.20	122.42	0.00	109.00	113.95	106.30	149.19	106.91	128.10	8	120.77
2B965057	Conrad	0.00	0.00	147.82	114.84	121.65	110.10	144.55	122.48	132.30	7	125.78
MT020155	MT960225/H1851195	0.00	0.00	142.35	120.91	129.03	101.80	148.20	91.64	124.80	7	120.85
MT020162	MT960225/H1851195	0.00	0.00	145.38	126.55	127.15	108.50	150.64	110.93	119.40	7	125.05
MT030042	MT910189/MT960099	0.00	0.00	0.00	120.11	115.69	103.30	131.89	84.06	122.80	6	115.1
TR232	Metcalfe	0.00	0.00	131.54	0.00	116.90	87.10	127.94	90.68	114.20	6	109.68
YU501385	Champion	0.00	0.00	0.00	127.98	132.24	129.00	161.26	0.00	127.20	5	134.79
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	160.63	121.17	131.80	3	141.01
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	149.52	101.10	127.40	3	128.88
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	144.02	116.77	130.40	3	133.37
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	140.58	117.70	129.80	3	132.31
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	150.68	98.66	126.80	3	128.24
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	150.18	105.79	121.80	3	128.8
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	139.89	101.91	113.00	3	120.97
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	143.54	112.34	124.90	3	129.82
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	143.61	110.41	119.00	3	127.18
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	147.59	113.18	125.00	3	131.53
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	156.77	101.07	119.60	3	128.69
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.97	127.40	2	149.66
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.41	135.40	2	154.14
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.56	129.00	2	140.74
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	123.63	0.00	119.10	2	117.17
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	123.35	0.00	111.80	2	113.51
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	124.12	0.00	111.70	2	113.84
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.23	125.20	2	142.46
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.95	126.10	2	145.25
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.19	101.10	2	124.3
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.53	63.00	2	77.45
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.51	116.10	2	132.33
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.36	107.70	2	122.36
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.41	114.90	2	134.56
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.48	116.80	2	132.13
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.93	127.40	2	144.81
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.54	87.70	2	103.79
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.08	100.20	2	129.12
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	145.49	0.00	112.80	2	124.68
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.10	1	150.49
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.70	1	146.23
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.60	1	144.85
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.10	1	142.97
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.50	1	159.76
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.50	1	176.05
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.50	1	162.27
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.10	1	168.03
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.60	1	159.89
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.10	1	173.04
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.00	1	167.9
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.50	1	145.98
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.20	1	156.88

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.00	1	144.1
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.50	1	157.25
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.10	1	169.28
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.50	1	157.25
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.90	1	146.48
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.60	1	137.33
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.40	1	155.88
AVERAGE		95.16	121.50	139.29	117.78	121.44	101.95	141.40	104.11	120.29	9	118.1

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	55.05	53.40	55.75	53.25	55.62	54.30	53.52	50.71	55.10	9	54.08
6B952482	Tradition	51.80	52.10	52.60	48.80	52.33	53.30	51.03	49.18	53.10	9	51.58
MT910189	Hockett	54.00	54.75	55.10	52.70	54.63	53.90	52.37	50.82	55.00	9	53.7
MT970116	Craft	54.90	53.85	55.15	53.25	55.28	53.40	54.09	52.20	55.40	9	54.17
PI568246	Baronesse	53.05	52.25	52.10	50.45	53.57	53.50	52.91	51.06	55.00	9	52.65
SK 76333	Harrington	53.35	49.55	51.90	47.10	52.45	52.20	50.96	48.13	54.50	9	51.13
MT010158	Amsterdam	0.00	54.15	55.05	51.45	54.83	53.30	52.22	50.62	54.20	8	53.35
MT010160	MT920041/Harrington	0.00	53.50	55.10	51.40	54.50	53.30	53.95	52.43	55.10	8	53.78
MT960101	Geraldine	53.60	52.10	0.00	49.35	53.21	51.20	52.96	49.71	54.90	8	52.33
2B965057	Conrad	0.00	0.00	54.15	50.55	53.24	53.40	51.10	50.35	54.00	7	52.44
MT020155	MT960225/H1851195	0.00	0.00	54.15	52.40	54.02	52.80	51.04	49.72	53.90	7	52.62
MT020162	MT960225/H1851195	0.00	0.00	54.55	52.35	54.56	53.40	53.62	51.49	54.40	7	53.52
MT030042	MT910189/MT960099	0.00	0.00	0.00	52.75	55.19	53.90	52.13	50.24	55.00	6	53.53
TR232	Metcalfe	0.00	0.00	52.05	0.00	52.70	52.60	51.22	49.38	54.20	6	51.94
YU501385	Champion	0.00	0.00	0.00	52.70	55.08	55.10	53.02	0.00	54.60	5	53.82
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	52.79	50.20	54.80	3	53.56
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	53.47	49.70	54.40	3	53.48
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	52.48	51.62	55.50	3	54.17
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	51.20	50.58	54.60	3	53.08
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	51.55	50.44	54.70	3	53.18
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	52.90	50.79	55.00	3	53.86
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	52.66	50.86	54.60	3	53.67
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	53.60	51.55	54.60	3	54.22
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	52.27	50.78	54.50	3	53.47
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	52.25	51.62	54.50	3	53.75
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	52.40	49.99	54.30	3	53.18
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.91	54.40	2	53.82
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.95	55.50	2	53.89
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.82	54.00	2	53.06
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	52.26	0.00	53.80	2	52.8
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	53.48	0.00	54.00	2	53.51
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	52.58	0.00	55.20	2	53.66
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.32	54.70	2	54.19
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.40	54.70	2	54.23
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.85	53.60	2	52.36
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.40	61.20	2	62.15
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.82	54.70	2	53.42
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.69	54.90	2	53.97
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.43	54.90	2	53.83
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.38	54.60	2	53.65
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.76	54.90	2	54
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.39	53.50	2	52.59
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.13	55.10	2	53.78
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	53.73	0.00	54.10	2	53.68
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	1	53.59
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	52.7
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.70	1	52.7
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	53
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	1	53.59
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.50	1	53.49
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.50	1	53.49
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	53.29
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	1	53.59

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.60	1	53.59
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	53.1
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	53
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.40	1	53.39
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.00	1	53.98
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	1	53.29
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.20	1	53.19
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.80	1	52.8
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.40	1	53.39
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.10	1	53.1
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.40	1	53.39
AVERAGE		53.68	52.85	53.97	51.32	54.08	53.31	52.53	50.73	54.59	9	53.01

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	98.25	87.75	89.50	72.40	88.75	90.10	89.41	91.65	95.50	9	89.26
6B952482	Tradition	96.60	93.40	98.10	94.00	97.56	87.90	91.92	92.61	96.00	9	94.23
MT910189	Hockett	92.35	93.10	87.65	82.20	94.49	91.30	86.38	87.80	96.00	9	90.14
MT970116	Craft	97.35	85.60	91.50	74.85	90.99	85.90	89.17	92.72	97.30	9	89.49
PI568246	Baronesse	91.05	81.85	67.10	78.45	84.87	89.20	88.59	94.12	97.10	9	85.81
SK 76333	Harrington	92.65	66.85	77.60	51.75	86.85	82.50	87.29	92.42	95.30	9	81.47
MT010158	Amsterdam	0.00	90.15	92.80	76.00	94.79	86.90	90.26	93.97	96.00	8	91.26
MT010160	MT920041/Harrington	0.00	88.25	91.25	68.25	91.08	84.20	90.55	94.09	95.90	8	89.07
MT960101	Geraldine	88.80	76.80	0.00	31.95	74.57	70.00	81.01	87.18	95.90	8	75.8
2B965057	Conrad	0.00	0.00	88.30	67.30	90.50	90.60	90.00	92.52	97.30	7	89.14
MT020155	MT960225/H1851195	0.00	0.00	82.75	72.95	89.61	88.40	81.73	89.43	94.60	7	86.68
MT020162	MT960225/H1851195	0.00	0.00	91.70	71.20	89.96	84.90	90.71	94.98	95.30	7	89.46
MT030042	MT910189/MT960099	0.00	0.00	0.00	64.60	85.71	85.10	75.54	80.59	94.90	6	82.26
TR232	Metcalfe	0.00	0.00	72.95	0.00	85.98	85.50	85.18	91.29	96.60	6	84.77
YU501385	Champion	0.00	0.00	0.00	65.15	88.41	91.10	91.75	0.00	95.90	5	88.47
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	86.65	93.76	97.50	3	89.69
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	92.18	95.16	98.10	3	92.12
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	85.93	87.67	96.80	3	87.27
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	87.12	94.08	95.80	3	89.4
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	87.54	89.86	97.20	3	88.62
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	90.89	92.01	97.60	3	90.53
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	92.07	96.76	98.50	3	92.73
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	89.61	95.42	97.60	3	91.22
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	88.51	92.87	96.70	3	89.75
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	90.67	94.96	97.10	3	91.25
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	90.46	93.77	96.40	3	90.57
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.49	98.20	2	93.33
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.49	97.70	2	90.23
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.57	97.90	2	91.79
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	92.51	0.00	97.10	2	91.53
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	89.94	0.00	96.40	2	89.95
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	89.88	0.00	96.70	2	90.06
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.47	98.40	2	91.98
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.14	97.40	2	92.3
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.90	95.40	2	86.47
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.29	95.80	2	89.23
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.37	96.70	2	88.74
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.18	93.70	2	84.84
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.31	96.20	2	89.91
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.47	96.20	2	90.46
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.75	96.10	2	90.07
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.96	97.80	2	92.41
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.15	98.00	2	92.6
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	95.05	0.00	98.00	2	93.19
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.10	1	90.75
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.10	1	89.82
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	1	90.66
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.40	1	90.1
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.90	1	91.5
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	1	91.22
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	1	92.06

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.20	1	90.85
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	1	91.22
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	1	91.13
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.20	1	90.85
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.80	1	91.41
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	91.59
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.20	1	90.85
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.70	1	90.38
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.30	1	90.94
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	1	92.06
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	1	92.06
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70	1	91.31
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	1	91.22
AVERAGE		93.86	84.86	85.93	69.36	88.94	86.24	88.62	92.24	96.91	9	87.44

ID	PEDIGREE	2002	2003	2004	2005	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	182.96	182.36	182.22	186.64	181.80	192.00	191.10	189.30	8	186.05
6B952482	Tradition	182.05	181.12	179.57	185.24	181.90	189.67	191.38	189.30	8	185.03
MT910189	Hockett	181.07	181.30	179.77	185.32	181.50	192.10	188.30	187.70	8	184.63
MT970116	Craft	183.64	182.63	180.40	186.94	182.10	191.94	191.71	189.40	8	186.1
PI568246	Baronesse	184.62	183.36	183.30	189.16	183.50	193.33	193.31	190.40	8	187.62
SK 76333	Harrington	185.22	183.42	183.04	188.92	183.80	193.45	193.33	190.60	8	187.72
MT010158	Amsterdam	0.00	182.04	180.39	187.04	183.70	192.40	190.04	190.00	7	186.07
MT010160	MT920041/Harrington	0.00	183.09	182.71	188.53	183.90	192.94	193.31	190.20	7	187.37
MT960101	Geraldine	185.29	184.62	0.00	189.28	184.10	193.88	192.80	190.60	7	188.1
2B965057	Conrad	0.00	0.00	182.38	187.96	183.20	194.56	192.25	189.30	6	187.14
MT020155	MT960225/H1851195	0.00	0.00	178.30	182.97	180.10	190.93	188.44	190.40	6	184.07
MT020162	MT960225/H1851195	0.00	0.00	182.01	188.66	184.10	193.17	193.21	191.80	6	187.69
MT030042	MT910189/MT960099	0.00	0.00	0.00	186.67	182.00	192.35	189.07	188.70	5	185.64
TR232	Metcalfe	0.00	0.00	182.35	0.00	182.70	192.49	191.44	189.70	5	186.5
YU501385	Champion	0.00	0.00	0.00	186.98	182.60	191.58	0.00	189.30	4	186.23
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	192.87	192.53	190.10	3	187.06
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	192.16	191.99	188.60	3	186.16
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	193.51	192.30	190.30	3	187.25
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	194.04	193.26	190.00	3	187.64
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	192.85	192.61	188.70	3	186.62
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	193.07	194.70	193.40	3	188.9
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	191.67	191.92	189.70	3	186.34
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	192.52	191.17	188.30	3	185.91
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	192.10	188.97	188.70	3	185.19
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	192.20	189.68	188.30	3	185.33
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	192.42	192.88	190.40	3	187.12
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	196.79	195.30	2	191.76
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	195.51	194.40	2	190.7
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	192.62	191.60	2	187.92
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	192.61	0.00	191.20	2	187.27
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	190.97	0.00	189.70	2	185.74
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	193.91	0.00	194.40	2	189.47
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	195.60	192.60	2	189.86
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	193.95	192.70	2	189.1
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	192.37	192.00	2	187.99
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	195.31	192.30	2	189.57
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	193.32	191.60	2	188.26
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	191.66	189.60	2	186.47
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	190.43	187.60	2	184.89
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	190.10	189.00	2	185.41
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	190.87	188.90	2	185.74
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	189.05	188.40	2	184.6
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	194.73	194.70	2	190.46
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	191.42	0.00	191.90	2	187.03
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.40	1	187.13
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.70	1	189.39
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.70	1	185.46
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.30	1	190.96
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.30	1	189.98
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.00	1	189.68
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.60	1	190.27
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.70	1	190.37
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.40	1	189.09
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.20	1	190.86

ID	PEDIGREE	2002	2003	2004	2005	2007	2009	2010	2011	# Yrs	Comp Ave
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.30	1	189.98
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.70	1	190.37
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.10	1	189.78
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.30	1	189.98
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.00	1	189.68
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.60	1	190.27
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.90	1	191.55
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.10	1	188.8
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.10	1	186.83
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.70	1	188.41
AVERAGE		183.55	182.66	181.37	187.16	182.73	192.50	192.15	191.19	8	186.67

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	34.51	30.57	38.67	35.06	32.10	29.60	24.66	27.30	22.80	9	30.59
6B952482	Tradition	37.17	35.25	43.51	40.32	33.71	32.90	28.11	31.89	27.20	9	34.45
MT910189	Hockett	31.03	31.62	35.42	32.81	33.87	30.90	26.09	28.44	27.00	9	30.8
MT970116	Craft	37.99	34.13	41.66	38.91	35.65	31.60	29.56	31.44	27.80	9	34.3
PI568246	Baronesse	32.61	29.41	36.55	30.32	31.91	31.30	24.95	27.35	24.80	9	29.91
SK 76333	Harrington	34.51	30.64	38.26	34.61	32.91	30.10	27.04	28.84	29.20	9	31.79
MT010158	Amsterdam	0.00	31.85	37.10	34.54	31.73	30.50	27.02	28.00	27.20	8	31.5
MT010160	MT920041/Harrington	0.00	32.28	36.79	34.23	33.92	31.30	27.92	29.13	28.10	8	32.23
MT960101	Geraldine	33.63	29.94	0.00	32.61	32.50	27.10	25.62	28.43	25.60	8	30.43
2B965057	Conrad	0.00	0.00	36.99	33.53	30.75	29.60	25.99	29.14	25.40	7	30.76
MT020155	MT960225/H1851195	0.00	0.00	36.60	34.10	33.02	31.40	26.66	27.07	25.60	7	31.21
MT020162	MT960225/H1851195	0.00	0.00	40.70	36.09	34.39	30.50	28.23	30.31	26.30	7	32.96
MT030042	MT910189/MT960099	0.00	0.00	0.00	32.95	31.18	30.20	25.43	25.60	26.20	6	30.59
TR232	Metcalfe	0.00	0.00	38.70	0.00	32.87	30.60	29.16	29.33	28.40	6	33.02
YU501385	Champion	0.00	0.00	0.00	34.29	32.19	31.00	28.08	0.00	26.30	5	32.21
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	29.38	30.18	26.70	3	35.29
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	28.43	27.94	27.30	3	34.23
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	25.73	28.40	25.10	3	32.41
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	20.41	23.41	20.10	3	26.15
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	28.07	27.52	27.50	3	33.99
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	27.44	30.24	27.40	3	34.81
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	26.78	29.03	26.10	3	33.51
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	25.18	26.46	25.50	3	31.56
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	25.98	26.61	23.50	3	31.13
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	25.58	26.92	25.90	3	32.07
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	28.34	29.73	27.50	3	35.01
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.43	24.90	2	31.34
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.57	24.40	2	29.9
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.16	29.00	2	37.34
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	29.51	0.00	27.10	2	36.48
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	27.53	0.00	27.80	2	35.66
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	27.17	0.00	26.40	2	34.52
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.56	24.60	2	31.84
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.43	24.40	2	31.64
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.48	24.30	2	32.22
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.76	26.50	2	35.57
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.49	26.50	2	35.4
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.08	24.30	2	31.37
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.37	23.90	2	30.08
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.64	23.80	2	30.18
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.79	24.70	2	31.43
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.55	23.70	2	32.51
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.20	22.40	2	29.67
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	26.38	0.00	25.00	2	33.11
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.90	1	34.74
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.90	1	36.09
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.30	1	32.6
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.40	1	35.41
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.80	1	38.63
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.10	1	40.38
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	1	38.9

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.50	1	38.23
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.60	1	38.37
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.50	1	39.57
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.50	1	39.57
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.20	1	36.49
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	1	37.02
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.20	1	36.49
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.40	1	38.1
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.90	1	37.43
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.60	1	38.37
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.30	1	36.62
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	1	34.88
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.60	1	35.68
AVERAGE		34.49	31.74	38.41	34.60	32.85	30.57	26.88	28.19	26.38	9	31.57

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT950186	Haxby	13.65	10.45	12.05	14.25	9.24	13.70	10.51	12.07	12.90	9	12.09
6B952482	Tradition	14.25	11.75	12.65	14.60	9.60	13.30	11.54	12.46	13.40	9	12.62
MT910189	Hockett	14.90	10.90	11.80	14.45	10.38	13.50	10.67	11.61	12.70	9	12.32
MT970116	Craft	14.25	11.00	11.80	14.05	9.64	13.50	10.44	11.86	13.20	9	12.19
PI568246	Baronesse	14.90	11.45	12.70	14.55	9.56	13.50	11.01	12.04	12.70	9	12.49
SK 76333	Harrington	14.35	12.80	12.40	14.35	9.92	13.60	10.42	12.02	12.80	9	12.52
MT010158	Amsterdam	0.00	11.55	12.35	14.10	10.01	13.90	11.38	12.42	13.60	8	12.62
MT010160	MT920041/Harrington	0.00	11.55	11.75	14.55	9.53	13.50	10.79	12.12	13.60	8	12.37
MT960101	Geraldine	14.40	11.00	0.00	14.30	9.52	13.90	10.48	11.55	13.00	8	12.26
2B965057	Conrad	0.00	0.00	12.85	14.90	9.93	14.10	11.42	12.41	14.40	7	12.85
MT020155	MT960225/H1851195	0.00	0.00	12.85	14.10	9.89	13.90	10.39	11.90	13.20	7	12.31
MT020162	MT960225/H1851195	0.00	0.00	12.85	14.70	9.96	14.00	11.12	11.99	13.00	7	12.5
MT030042	MT910189/MT960099	0.00	0.00	0.00	12.60	8.84	12.80	9.60	10.40	11.80	6	10.99
TR232	Metcalfe	0.00	0.00	12.75	0.00	10.06	14.30	11.22	11.91	13.40	6	12.64
YU501385	Champion	0.00	0.00	0.00	13.20	9.15	13.10	10.85	0.00	13.10	5	11.85
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	10.88	11.91	13.20	3	12.26
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	10.66	11.68	13.10	3	12.08
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	11.35	12.27	13.80	3	12.75
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	10.87	11.51	12.60	3	11.92
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	10.77	11.73	12.90	3	12.06
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	10.68	11.30	13.10	3	11.95
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	11.02	12.01	13.20	3	12.35
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	10.76	11.93	13.00	3	12.16
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	10.68	11.75	13.20	3	12.14
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	10.73	11.85	13.20	3	12.19
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	9.66	10.59	11.40	3	10.79
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.03	14.00	2	12.6
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	12.80	2	11.72
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	12.20	2	11.45
MT061134	Kendal/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	11.72	0.00	13.60	2	13.08
MT061201	MT970110/LK232	0.00	0.00	0.00	0.00	0.00	0.00	11.62	0.00	13.70	2	13.08
MT070136	MT010178/MT970148	0.00	0.00	0.00	0.00	0.00	0.00	11.48	0.00	13.80	2	13.06
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.34	12.90	2	12.22
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.94	13.00	2	12.08
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.62	12.40	2	11.63
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.20	15.60	2	14.43
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	12.90	2	11.82
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.74	12.80	2	11.88
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.55	12.90	2	11.84
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	12.80	2	11.78
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.07	13.30	2	12.28
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.96	11.70	2	10.97
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.02	13.50	2	12.36
MT070174	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	10.01	0.00	11.80	2	11.26
EM090105	05032-068	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60	1	11.81
EM090081	05037-079	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	1	12.75
MT090169	MT910189*/LK644/EslickBC3F43G3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	1	9.75
MT090176	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50	1	9.84
MT090178	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	1	10.69
MT090180	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	1	10.4
MT090181	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	1	10.59

ID	PEDIGREE	2002	2003	2004	2005	2006	2007	2009	2010	2011	# Yrs	Comp Ave
MT090182	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	1	10.69
MT090183	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	1	10.59
MT090184	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	1	10.5
MT090186	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	1	10.4
MT090188	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	1	10.4
MT090190	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.00	1	10.31
MT090191	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	1	10.4
MT090192	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	1	10.4
MT090193	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.60	1	10.87
MT090194	MT910189*/LK644/EslickBC3F33-G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	1	10.5
MT090202	MT910189*/LK644/EslickBC3F37-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	1	10.78
MT090227	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	1	10.5
MT090229	MT910189*/LK644/EslickBC3F37-L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.90	1	10.22
AVERAGE		14.39	11.38	12.40	14.19	9.68	13.64	10.82	11.84	12.53	9	12.32

Statewide

ID	PEDIGREE	Yield			Test Wt			Plump %			Heading Date			Plant Ht			Protein %		
		MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE
2B965057	Conrad	0.1	0.1	0.927	-3	-16.1	0.000	3.9	2.8	0.007	3.2	8.5	0.000	-1.6	-7	0.000	0.9	7.4	0.000
6B952482	Tradition	-5.6	-4.9	0.000	-3.3	-19.1	0.000	-1.6	-0.8	0.440	-1.5	-4.6	0.000	1.9	6.4	0.000	0.3	2.3	0.024
COPELAND	Copeland	1.4	0.4	0.680	-3.7	-10.6	0.000	2.2	1.4	0.200	2.9	5.8	0.000	2.2	2.8	0.019	0.3	1.3	0.239
EM090117	03013-25	4.7	1.1	0.278	-2.6	-11.5	0.000	8.5	1.7	0.120	7.2	12.9	0.000	-2.9	-3.8	0.004	0.3	1.3	0.208
EM090128	03021-03	6.4	1.7	0.128	-2	-5.5	0.000	-3	-0.8	0.433	5.4	16.5	0.000	-3.3	-3.7	0.005	0.1	0.9	0.382
MT010158	Amsterdam	-4.8	-3.6	0.001	-2	-11.8	0.000	5.8	3.7	0.000	1.2	5.1	0.000	-0.9	-4.2	0.000	1	8.4	0.000
MT010160	MT920041/Harrington	-1.1	-0.9	0.368	-2.4	-11.2	0.000	1	0.6	0.541	1.6	6.9	0.000	0.6	2.3	0.024	0.6	4.5	0.000
MT020155	MT960225/H1851195	2.5	2.1	0.041	-2.3	-13.8	0.000	1.9	1.7	0.101	-2.8	-9.7	0.000	0.9	2.9	0.006	0.3	2.1	0.044
MT020162	MT960225/H1851195	0.6	0.5	0.620	-1.8	-10.3	0.000	1.5	1.3	0.214	2.7	9.5	0.000	0.7	2.5	0.015	0.7	4.6	0.000
MT030042	MT910189/MT960099	0.2	0.2	0.868	-0.9	-6.1	0.000	-4.7	-3	0.004	0.9	3.4	0.002	-1.8	-4.5	0.000	-0.5	-3.4	0.002
MT061035	Baronesse/MT981210	9.3	3.3	0.003	-2.5	-7.6	0.000	-1.9	-1.1	0.289	3	6.5	0.000	-0.8	-1.8	0.084	0.3	1.2	0.238
MT061104	Harrington/MT970229	1.1	0.6	0.540	-1.8	-8.9	0.000	10.1	3.7	0.001	0.4	1.6	0.133	0.4	0.8	0.411	0.2	1.3	0.207
MT061134	Kendal/Conlon	-1.4	-0.6	0.550	-2.9	-10	0.000	5.4	2.6	0.022	2.1	5.7	0.000	0.7	1.3	0.211	0.6	4.4	0.000
MT061169	MT960101/Coors 37	5.4	2.4	0.028	-1.9	-6.9	0.000	1.1	0.9	0.386	3	6.3	0.000	-1.8	-4.6	0.000	0.5	3.2	0.005
MT061201	MT970110/LK232	0.4	0.2	0.859	-1.9	-8.4	0.000	5.2	1.4	0.175	-0.1	-0.1	0.887	1.8	3.6	0.003	0.2	1.1	0.277
MT070086	MT970148/Coors37	6.7	2.6	0.022	-2.1	-7.6	0.000	3.8	1.5	0.164	4.3	8.5	0.000	-5.7	-10.2	0.000	0.2	0.6	0.540
MT070111	MT010178/Harrington	5.7	2.1	0.052	-1.6	-6.1	0.000	-2.7	-1	0.319	2.2	6.1	0.000	0.8	1.4	0.176	0	-0.2	0.820
MT070125	MT981210/MT970116	6.2	3.6	0.002	-1.1	-6	0.000	2.4	2.8	0.013	3.1	6.8	0.000	1.3	2.7	0.016	0.2	0.9	0.387
MT070136	MT010178/MT970148	-0.2	-0.1	0.903	-1.4	-6.8	0.000	2.5	2.8	0.020	3.4	5.2	0.000	0.8	1.1	0.317	0.9	3.6	0.005
MT070148	MT990172/Metcalfe	3.2	1.5	0.153	-1.8	-9.1	0.000	6.6	3	0.009	1.4	3.9	0.001	-1	-1.9	0.075	0.1	0.9	0.407
MT070158	MT970148/Klages	7.3	2.5	0.025	-1.5	-6.7	0.000	4.8	1.8	0.099	2.2	5.3	0.000	-1.1	-2.6	0.019	0.2	0.9	0.384
MT070159	MT970148/Klages	5.8	1.9	0.075	-1.9	-9.5	0.000	4.4	1.6	0.141	1.5	3.4	0.004	-1.9	-4.6	0.000	-0.1	-0.6	0.555
MT070161	MT970148/Klages	5.9	2	0.067	-1.3	-6.9	0.000	4.8	2.4	0.029	1.4	3.3	0.005	-1.5	-4.5	0.000	0.1	0.8	0.446
MT070174	LK644///Hockett F5	-4.2	-1.3	0.215	-1	-2.7	0.021	10.9	2.2	0.050	-0.2	-0.4	0.716	0.1	0.3	0.748	-0.7	-3.7	0.004
MT070175	LK644///Hockett F5	4.9	1.6	0.126	-1.7	-9	0.000	5	2.1	0.052	1	2.7	0.016	1.4	3.4	0.004	-0.7	-5.5	0.000
MT080081	Coors/Metcalfe	3.2	0.8	0.447	-3	-5.8	0.000	2.4	0.5	0.635	4.6	11.1	0.000	-2.6	-3.7	0.005	0.4	1.3	0.222
MT080083	Coors/Metcalfe	2.8	0.8	0.463	-2.7	-7.2	0.000	6.2	1.5	0.176	4.4	9.7	0.000	-2.5	-3	0.015	0.9	2.7	0.022
MT080085	Coors/Metcalfe	1.7	0.4	0.693	-1.6	-4.8	0.001	-2.1	-0.9	0.370	4.3	7.2	0.000	-0.7	-0.9	0.398	0.4	1.4	0.188
MT080100	Karma	-32.6	-8	0.000	5.2	2	0.072	-7.3	-0.8	0.470	1.1	2.4	0.038	2.2	2.5	0.032	3.1	10.3	0.000
MT080243	MT960101/MT981210	2.9	0.9	0.385	-2.4	-8.2	0.000	-4.1	-1.9	0.086	3.1	5.6	0.000	1	1.6	0.143	0.3	1.1	0.315
MT080261	MT970026/MT981091	2.9	1	0.360	-1.4	-5.9	0.000	-1.3	-0.8	0.423	-0.5	-0.9	0.372	-0.2	-0.3	0.778	0.5	2.2	0.054
MT080279	MT970148/MT970116	7.9	2.4	0.040	-2.6	-7.3	0.000	-0.2	-0.1	0.936	2.4	3.5	0.006	-1.5	-2.9	0.019	0.4	1.7	0.127
MT080281	MT970148/MT970116	6.5	2.4	0.036	-2.4	-9	0.000	4.4	1.5	0.160	1.8	3.5	0.006	-1.8	-3.2	0.011	-0.3	-1	0.325
MT080285	MT970148/MT970116	6.2	1.5	0.171	-1.7	-6.9	0.000	5.1	1.9	0.084	3.2	4.3	0.002	-2.2	-3	0.014	-0.1	-0.3	0.799
MT910189	Hockett	-1.8	-1.7	0.091	-1.5	-10	0.000	7.9	4.7	0.000	-0.4	-2	0.054	-0.2	-1	0.304	0.1	1	0.311
MT960101	Geraldine	-3.2	-2.1	0.039	-3.1	-12.2	0.000	-13.5	-7.3	0.000	4.7	10.7	0.000	-2.1	-6.7	0.000	0.6	3.3	0.002
MT970116	Craft	-1.8	-2.3	0.028	-0.8	-5.5	0.000	8.9	5.3	0.000	-0.5	-3.3	0.002	2.3	8.9	0.000	0.3	3.1	0.003
PI568246	Baronesse	2.3	1.8	0.085	-2.8	-13.8	0.000	-2	-1.3	0.203	2.9	8.5	0.000	-1.6	-6.1	0.000	0.6	4.8	0.000
PI643354	Pinnacle	0.1	0	0.976	-1.7	-6.7	0.000	11.3	2.5	0.033	-0.9	-2.4	0.035	0.3	0.6	0.538	-0.9	-5	0.001
SCARLETT	Scarlett	1.4	0.4	0.721	-2.7	-5.1	0.001	0.3	0.2	0.876	5	15	0.000	-3.2	-4.2	0.002	0.3	1.4	0.201
SK 76333	Harrington	-5.9	-4.3	0.000	-3.8	-16	0.000	1.4	0.8	0.412	2.2	9.4	0.000	-0.5	-1.9	0.061	0.6	4.7	0.000
TR232	Metcalfe	-4.6	-2.7	0.012	-2.6	-10.6	0.000	0.3	0.2	0.842	0.6	2.7	0.011	0.7	1.5	0.146	0.9	5.4	0.000
YU501385	Champion	6.2	4.2	0.000	-0.9	-6	0.000	-0.4	-0.2	0.822	0.9	3	0.006	-0.4	-1.6	0.127	-0.3	-2	0.056
The Mean of the Reference Variety is:		75.7		N=56	52.5		N=56	69.7		N=55	175.4		N=54	27.9		N=54	13.1		N=56

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Yield

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
YU501385	Champion	85.3	34	6.2	4.2	0.000
MT080279	MT970148/MT970116	83.1	11	7.9	2.4	0.040
MT020155	MT960225/H1851195	82.7	44	2.5	2.1	0.041
MT061035	Baronesse/MT981210	82.5	21	9.3	3.3	0.003
MT070158	MT970148/Klages	82.3	16	7.3	2.5	0.025
MT070086	MT970148/Coors37	81.8	16	6.7	2.6	0.022
MT080281	MT970148/MT970116	81.7	11	6.5	2.4	0.036
EM090128	03021-03	81.6	11	6.4	1.7	0.128
MT080285	MT970148/MT970116	81.5	11	6.2	1.5	0.171
MT070125	MT981210/MT970116	81.2	16	6.2	3.6	0.002
MT020162	MT960225/H1851195	80.9	44	0.6	0.5	0.620
MT070159	MT970148/Klages	80.9	16	5.8	1.9	0.075
MT070161	MT970148/Klages	80.9	16	5.9	2	0.067
MT070111	MT010178/Harrington	80.8	16	5.7	2.1	0.052
2B965057	Conrad	80.4	44	0.1	0.1	0.927
MT070175	LK644///Hockett F5	80	16	4.9	1.6	0.126
EM090117	03013-25	79.9	11	4.7	1.1	0.278
MT030042	MT910189/MT960099	78.8	39	0.2	0.2	0.868
MT061169	MT960101/Coors 37	78.7	21	5.4	2.4	0.028
MT080081	Coors/Metcalfe	78.5	11	3.2	0.8	0.447
MT070148	MT990172/Metcalfe	78.3	16	3.2	1.5	0.153
MT080243	MT960101/MT981210	78.2	11	2.9	0.9	0.385
MT080261	MT970026/MT981091	78.2	11	2.9	1	0.360
MT080083	Coors/Metcalfe	78.1	11	2.8	0.8	0.463
PI568246	Baronesse	78	56	2.3	1.8	0.085
TR232	Metcalfe	77.4	31	-4.6	-2.7	0.012
MT080085	Coors/Metcalfe	77	11	1.7	0.4	0.693
MT010160	MT920041/Harrington	76.8	50	-1.1	-0.9	0.368
COPELAND	Copeland	76.7	11	1.4	0.4	0.680
SCARLETT	Scarlett	75.9	10	1.4	0.4	0.721
PI643354	Pinnacle	75.4	11	0.1	0	0.976
MT070136	MT010178/MT970148	75.1	11	-0.2	-0.1	0.903
MT061104	Harrington/MT970229	74.4	21	1.1	0.6	0.540
MT910189	Hockett	73.9	56	-1.8	-1.7	0.091
MT970116	Craft	73.9	56	-1.8	-2.3	0.028
MT061201	MT970110/LK232	73.2	16	0.4	0.2	0.859
MT010158	Amsterdam	73.1	50	-4.8	-3.6	0.001
MT061134	Kendal/Conlon	71.4	16	-1.4	-0.6	0.550
MT070174	LK644///Hockett F5	71.1	11	-4.2	-1.3	0.215
MT960101	Geraldine	70.8	51	-3.2	-2.1	0.039
SK 76333	Harrington	70.6	51	-5.9	-4.3	0.000
6B952482	Tradition	70	56	-5.6	-4.9	0.000
MT080100	Karma	42.6	11	-32.6	-8	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 75.7 (N=56)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Test Wt

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	58	11	5.2	2	0.072
YU501385	Champion	52.1	34	-0.9	-6	0.000
MT030042	MT910189/MT960099	52	39	-0.9	-6.1	0.000
MT070125	MT981210/MT970116	51.8	16	-1.1	-6	0.000
MT070174	LK644///Hockett F5	51.8	11	-1	-2.7	0.021
MT970116	Craft	51.7	56	-0.8	-5.5	0.000
MT070161	MT970148/Klages	51.6	16	-1.3	-6.9	0.000
MT080261	MT970026/MT981091	51.5	11	-1.4	-5.9	0.000
MT070136	MT010178/MT970148	51.4	11	-1.4	-6.8	0.000
MT070111	MT010178/Harrington	51.3	16	-1.6	-6.1	0.000
MT070158	MT970148/Klages	51.3	16	-1.5	-6.7	0.000
MT080085	Coors/Metcalfe	51.3	11	-1.6	-4.8	0.001
MT020162	MT960225/H1851195	51.2	44	-1.8	-10.3	0.000
MT070175	LK644///Hockett F5	51.2	16	-1.7	-9	0.000
MT080285	MT970148/MT970116	51.2	11	-1.7	-6.9	0.000
PI643354	Pinnacle	51.1	11	-1.7	-6.7	0.000
MT061104	Harrington/MT970229	51	21	-1.8	-8.9	0.000
MT070148	MT990172/Metcalfe	51	16	-1.8	-9.1	0.000
MT910189	Hockett	51	56	-1.5	-10	0.000
EM090128	03021-03	50.9	11	-2	-5.5	0.000
MT061201	MT970110/LK232	50.9	16	-1.9	-8.4	0.000
MT070159	MT970148/Klages	50.9	16	-1.9	-9.5	0.000
MT010158	Amsterdam	50.8	50	-2	-11.8	0.000
MT061169	MT960101/Coors 37	50.8	21	-1.9	-6.9	0.000
MT020155	MT960225/H1851195	50.7	44	-2.3	-13.8	0.000
MT070086	MT970148/Coors37	50.7	16	-2.1	-7.6	0.000
TR232	Metcalfe	50.6	31	-2.6	-10.6	0.000
MT080243	MT960101/MT981210	50.5	11	-2.4	-8.2	0.000
MT080281	MT970148/MT970116	50.5	11	-2.4	-9	0.000
MT010160	MT920041/Harrington	50.3	50	-2.4	-11.2	0.000
MT061035	Baronesse/MT981210	50.3	21	-2.5	-7.6	0.000
MT080279	MT970148/MT970116	50.3	11	-2.6	-7.3	0.000
EM090117	03013-25	50.2	11	-2.6	-11.5	0.000
2B965057	Conrad	50.1	44	-3	-16.1	0.000
MT080083	Coors/Metcalfe	50.1	11	-2.7	-7.2	0.000
SCARLETT	Scarlett	50.1	10	-2.7	-5.1	0.001
MT061134	Kendal/Conlon	49.8	16	-2.9	-10	0.000
MT080081	Coors/Metcalfe	49.8	11	-3	-5.8	0.000
PI568246	Baronesse	49.6	56	-2.8	-13.8	0.000
MT960101	Geraldine	49.3	51	-3.1	-12.2	0.000
COPELAND	Copeland	49.2	11	-3.7	-10.6	0.000
6B952482	Tradition	49.1	56	-3.3	-19.1	0.000
SK 76333	Harrington	48.7	51	-3.8	-16	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 52.5 (N=56)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Plump %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT070174	LK644///Hockett F5	93.1	11	10.9	2.2	0.050
PI643354	Pinnacle	92.5	11	11.3	2.5	0.033
MT070148	MT990172/Metcalfe	91.8	16	6.6	3	0.009
MT061104	Harrington/MT970229	90.6	21	10.1	3.7	0.001
MT070175	LK644///Hockett F5	90.2	16	5	2.1	0.052
MT070161	MT970148/Klages	90	16	4.8	2.4	0.029
MT070158	MT970148/Klages	89.9	16	4.8	1.8	0.099
EM090117	03013-25	89.7	11	8.5	1.7	0.120
MT070159	MT970148/Klages	89.6	16	4.4	1.6	0.141
MT070086	MT970148/Coors37	88.9	16	3.8	1.5	0.164
MT070125	MT981210/MT970116	87.6	16	2.4	2.8	0.013
MT080083	Coors/Metcalfe	87.4	11	6.2	1.5	0.176
MT080285	MT970148/MT970116	86.3	11	5.1	1.9	0.084
MT080281	MT970148/MT970116	85.6	11	4.4	1.5	0.160
MT070136	MT010178/MT970148	84.7	11	2.5	2.8	0.020
MT080081	Coors/Metcalfe	83.5	11	2.4	0.5	0.635
COPELAND	Copeland	83.4	11	2.2	1.4	0.200
MT070111	MT010178/Harrington	82.5	16	-2.7	-1	0.319
MT061134	Kendal/Conlon	82.4	16	5.4	2.6	0.022
MT061201	MT970110/LK232	82.3	16	5.2	1.4	0.175
MT061169	MT960101/Coors 37	81.7	21	1.1	0.9	0.386
MT080279	MT970148/MT970116	81	11	-0.2	-0.1	0.936
SCARLETT	Scarlett	80.1	10	0.3	0.2	0.876
MT080261	MT970026/MT981091	79.9	11	-1.3	-0.8	0.423
MT970116	Craft	79.9	54	8.9	5.3	0.000
MT080085	Coors/Metcalfe	79.1	11	-2.1	-0.9	0.370
MT910189	Hockett	78.8	54	7.9	4.7	0.000
TR232	Metcalfe	78.8	32	0.3	0.2	0.842
MT061035	Baronesse/MT981210	78.6	21	-1.9	-1.1	0.289
EM090128	03021-03	78.2	11	-3	-0.8	0.433
2B965057	Conrad	78	44	3.9	2.8	0.007
MT080100	Karma	77.9	10	-7.3	-0.8	0.470
MT080243	MT960101/MT981210	77.1	11	-4.1	-1.9	0.086
MT010158	Amsterdam	76.7	49	5.8	3.7	0.000
MT020155	MT960225/H1851195	76.1	44	1.9	1.7	0.101
MT020162	MT960225/H1851195	75.7	44	1.5	1.3	0.214
SK 76333	Harrington	72.8	49	1.4	0.8	0.412
MT010160	MT920041/Harrington	71.9	49	1	0.6	0.541
YU501385	Champion	70.8	34	-0.4	-0.2	0.822
6B952482	Tradition	69.4	54	-1.6	-0.8	0.440
MT030042	MT910189/MT960099	69.2	39	-4.7	-3	0.004
PI568246	Baronesse	69	54	-2	-1.3	0.203
MT960101	Geraldine	56.8	49	-13.5	-7.3	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 69.7 (N=55)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Heading Date

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
EM090117	03013-25	190.2	11	7.2	12.9	0.000
EM090128	03021-03	188.3	11	5.4	16.5	0.000
MT080081	Coors/Metcalfe	187.6	11	4.6	11.1	0.000
MT080083	Coors/Metcalfe	187.4	11	4.4	9.7	0.000
MT080085	Coors/Metcalfe	187.3	11	4.3	7.2	0.000
SCARLETT	Scarlett	187.2	10	5	15	0.000
MT070136	MT010178/MT970148	186.4	11	3.4	5.2	0.000
MT080285	MT970148/MT970116	186.2	11	3.2	4.3	0.002
MT080243	MT960101/MT981210	186.1	11	3.1	5.6	0.000
MT070086	MT970148/Coors37	186	16	4.3	8.5	0.000
COPELAND	Copeland	185.9	11	2.9	5.8	0.000
MT080279	MT970148/MT970116	185.4	11	2.4	3.5	0.006
MT080281	MT970148/MT970116	184.8	11	1.8	3.5	0.006
MT070125	MT981210/MT970116	184.7	16	3.1	6.8	0.000
MT061035	Baronesse/MT981210	184.1	21	3	6.5	0.000
MT061169	MT960101/Coors 37	184	21	3	6.3	0.000
MT080100	Karma	184	11	1.1	2.4	0.038
MT061134	Kendal/Conlon	183.9	16	2.1	5.7	0.000
MT070111	MT010178/Harrington	183.9	16	2.2	6.1	0.000
MT070158	MT970148/Klages	183.8	16	2.2	5.3	0.000
MT070159	MT970148/Klages	183.2	16	1.5	3.4	0.004
MT070148	MT990172/Metcalfe	183	16	1.4	3.9	0.001
MT070161	MT970148/Klages	183	16	1.4	3.3	0.005
MT070174	LK644///Hockett F5	182.9	11	-0.2	-0.4	0.716
MT070175	LK644///Hockett F5	182.7	16	1	2.7	0.016
MT080261	MT970026/MT981091	182.5	11	-0.5	-0.9	0.372
PI643354	Pinnacle	182	11	-0.9	-2.4	0.035
MT061201	MT970110/LK232	181.7	16	-0.1	-0.1	0.887
MT061104	Harrington/MT970229	181.4	21	0.4	1.6	0.133
MT960101	Geraldine	179.9	49	4.7	10.7	0.000
PI568246	Baronesse	178.3	54	2.9	8.5	0.000
TR232	Metcalfe	178	31	0.6	2.7	0.011
SK 76333	Harrington	177.2	49	2.2	9.4	0.000
2B965057	Conrad	177	43	3.2	8.5	0.000
MT020162	MT960225/H1851195	176.5	43	2.7	9.5	0.000
MT010160	MT920041/Harrington	176	49	1.6	6.9	0.000
MT010158	Amsterdam	175.7	49	1.2	5.1	0.000
MT910189	Hockett	175	54	-0.4	-2	0.054
MT970116	Craft	174.9	54	-0.5	-3.3	0.002
MT030042	MT910189/MT960099	174.2	38	0.9	3.4	0.002
6B952482	Tradition	173.9	54	-1.5	-4.6	0.000
YU501385	Champion	173.4	33	0.9	3	0.006
MT020155	MT960225/H1851195	171.1	43	-2.8	-9.7	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 175.4 (N=54)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Plant Ht

ID	PEDIGREEE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT970116	Craft	30.3	54	2.3	8.9	0.000
6B952482	Tradition	29.9	54	1.9	6.4	0.000
COPELAND	Copeland	29.5	10	2.2	2.8	0.019
MT080100	Karma	29.5	10	2.2	2.5	0.032
MT020155	MT960225/H1851195	29.3	42	0.9	2.9	0.006
MT020162	MT960225/H1851195	29.1	42	0.7	2.5	0.015
TR232	Metcalfe	29.1	30	0.7	1.5	0.146
MT010160	MT920041/Harrington	28.9	48	0.6	2.3	0.024
MT080243	MT960101/MT981210	28.3	10	1	1.6	0.143
MT061201	MT970110/LK232	28.2	15	1.8	3.6	0.003
MT070175	LK644///Hockett F5	28	15	1.4	3.4	0.004
MT070125	MT981210/MT970116	27.9	15	1.3	2.7	0.016
YU501385	Champion	27.9	33	-0.4	-1.6	0.127
MT910189	Hockett	27.7	54	-0.2	-1	0.304
PI643354	Pinnacle	27.6	10	0.3	0.6	0.538
MT010158	Amsterdam	27.4	48	-0.9	-4.2	0.000
SK 76333	Harrington	27.4	49	-0.5	-1.9	0.061
MT061104	Harrington/MT970229	27.3	20	0.4	0.8	0.411
MT070111	MT010178/Harrington	27.3	15	0.8	1.4	0.176
MT061134	Kendal/Conlon	27.2	15	0.7	1.3	0.211
MT080261	MT970026/MT981091	27.1	10	-0.2	-0.3	0.778
2B965057	Conrad	26.8	42	-1.6	-7	0.000
MT030042	MT910189/MT960099	26.6	38	-1.8	-4.5	0.000
MT080085	Coors/Metcalfe	26.5	10	-0.7	-0.9	0.398
MT070136	MT010178/MT970148	26.4	10	0.8	1.1	0.317
PI568246	Baronesse	26.4	54	-1.6	-6.1	0.000
MT061035	Baronesse/MT981210	26.2	20	-0.8	-1.8	0.084
MT070174	LK644///Hockett F5	25.8	10	0.1	0.3	0.748
MT080279	MT970148/MT970116	25.7	10	-1.5	-2.9	0.019
MT960101	Geraldine	25.7	50	-2.1	-6.7	0.000
MT070148	MT990172/Metcalfe	25.6	15	-1	-1.9	0.075
MT080281	MT970148/MT970116	25.5	10	-1.8	-3.2	0.011
MT070158	MT970148/Klages	25.4	15	-1.1	-2.6	0.019
MT061169	MT960101/Coors 37	25.2	20	-1.8	-4.6	0.000
MT070161	MT970148/Klages	25	15	-1.5	-4.5	0.000
MT080285	MT970148/MT970116	25	10	-2.2	-3	0.014
MT080081	Coors/Metcalfe	24.7	10	-2.6	-3.7	0.005
MT080083	Coors/Metcalfe	24.7	10	-2.5	-3	0.015
MT070159	MT970148/Klages	24.6	15	-1.9	-4.6	0.000
EM090117	03013-25	24.3	10	-2.9	-3.8	0.004
SCARLETT	Scarlett	24.1	10	-3.2	-4.2	0.002
EM090128	03021-03	23.9	10	-3.3	-3.7	0.005
MT070086	MT970148/Coors37	20.9	15	-5.7	-10.2	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 27.9(N=54)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Protein %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	14.9	11	3.1	10.3	0.000
MT010158	Amsterdam	13.8	50	1	8.4	0.000
MT960101	Geraldine	13.7	51	0.6	3.3	0.002
PI568246	Baronesse	13.7	56	0.6	4.8	0.000
SK 76333	Harrington	13.7	51	0.6	4.7	0.000
MT010160	MT920041/Harrington	13.4	50	0.6	4.5	0.000
MT070136	MT010178/MT970148	13.4	11	0.9	3.6	0.005
MT970116	Craft	13.4	56	0.3	3.1	0.003
6B952482	Tradition	13.3	56	0.3	2.3	0.024
2B965057	Conrad	13.2	44	0.9	7.4	0.000
MT910189	Hockett	13.2	56	0.1	1	0.311
MT061134	Kendal/Conlon	13.1	16	0.6	4.4	0.000
MT020162	MT960225/H1851195	12.9	44	0.7	4.6	0.000
MT061201	MT970110/LK232	12.8	16	0.2	1.1	0.277
TR232	Metcalfe	12.8	31	0.9	5.4	0.000
MT061169	MT960101/Coors 37	12.7	21	0.5	3.2	0.005
MT080083	Coors/Metcalfe	12.7	11	0.9	2.7	0.022
MT020155	MT960225/H1851195	12.5	44	0.3	2.1	0.044
MT061035	Baronesse/MT981210	12.4	21	0.3	1.2	0.238
MT061104	Harrington/MT970229	12.3	21	0.2	1.3	0.207
MT080261	MT970026/MT981091	12.3	11	0.5	2.2	0.054
MT080279	MT970148/MT970116	12.3	11	0.4	1.7	0.127
MT080081	Coors/Metcalfe	12.2	11	0.4	1.3	0.222
MT080085	Coors/Metcalfe	12.2	11	0.4	1.4	0.188
COPELAND	Copeland	12.1	11	0.3	1.3	0.239
EM090117	03013-25	12.1	11	0.3	1.3	0.208
MT070086	MT970148/Coors37	12.1	16	0.2	0.6	0.540
MT070125	MT981210/MT970116	12.1	16	0.2	0.9	0.387
MT070148	MT990172/Metcalfe	12.1	16	0.1	0.9	0.407
MT070158	MT970148/Klages	12.1	16	0.2	0.9	0.384
MT070161	MT970148/Klages	12.1	16	0.1	0.8	0.446
MT080243	MT960101/MT981210	12.1	11	0.3	1.1	0.315
YU501385	Champion	12.1	34	-0.3	-2	0.056
SCARLETT	Scarlett	12	10	0.3	1.4	0.201
EM090128	03021-03	11.9	11	0.1	0.9	0.382
MT070111	MT010178/Harrington	11.9	16	0	-0.2	0.820
MT070159	MT970148/Klages	11.9	16	-0.1	-0.6	0.555
MT070174	LK644///Hockett F5	11.8	11	-0.7	-3.7	0.004
MT030042	MT910189/MT960099	11.7	39	-0.5	-3.4	0.002
MT080285	MT970148/MT970116	11.7	11	-0.1	-0.3	0.799
MT080281	MT970148/MT970116	11.5	11	-0.3	-1	0.325
MT070175	LK644///Hockett F5	11.2	16	-0.7	-5.5	0.000
PI643354	Pinnacle	10.9	11	-0.9	-5	0.001

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 13.1 (N=56)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Statewide

ID	PEDIGREE	Yield			Test Wt			Plump %			Heading Date			Plant Hieght			Protein %		
		MEAN DIFF	T-PAIRED VALUE	P Value	MEAN DIFF	T-PAIRED VALUE	P Value	MEAN DIFF	T-PAIRED VALUE	P Value	MEAN DIFF	T-PAIRED VALUE	P Value	MEAN DIFF	T-PAIRED VALUE	P Value	MEAN DIFF	T-PAIRED VALUE	P Value
2B965057	Conrad	5.2	5	0.000	1	4.4	0.000	4.3	3.7	0.000	-0.6	-1.9	0.068	-1.6	-5.6	0.000	0.7	5.1	0.000
6B952482	Tradition	0.1	0.1	0.953	0.1	0.5	0.604	5.3	3.4	0.001	-3.5	-13.1	0.000	2.3	5.8	0.000	0	0.1	0.897
COPELAND	Copeland	-0.8	-0.5	0.610	0.1	0.3	0.741	4.7	2.4	0.045	0.1	0.3	0.776	1.9	3.3	0.014	-0.6	-2.4	0.048
EM090117	03013-25	2.5	1.6	0.135	0.5	0.5	0.612	7	1.5	0.178	3.5	7.2	0.000	-3.1	-7.2	0.000	0.3	1.2	0.252
EM090128	03021-03	4.2	2.2	0.053	0.9	1.8	0.115	2.6	0.6	0.557	1.6	3.4	0.012	-4.5	-7.5	0.000	-0.3	-1.1	0.289
MT010158	Amsterdam	0.5	0.4	0.684	1.6	6	0.000	4.7	3.9	0.000	-1.5	-5.7	0.000	-1	-3.7	0.001	0.2	1.3	0.189
MT010160	MT920041/Harrington	4.1	4.3	0.000	1.6	7.5	0.000	1.6	1.3	0.190	-0.5	-2.3	0.025	0.5	2	0.058	0.1	1.3	0.211
MT020155	MT960225/H1851195	7.9	5.9	0.000	0.9	3.3	0.003	-0.4	-0.3	0.778	-4.8	-12.9	0.000	-0.1	-0.4	0.701	0	0.3	0.804
MT020162	MT960225/H1851195	5.5	4.4	0.000	1.6	5.6	0.000	2.7	2.3	0.028	-0.3	-1	0.333	1.1	2.7	0.011	0.3	2.1	0.045
MT030042	MT910189/MT960099	3.4	2.4	0.021	2	5.9	0.000	-0.6	-0.5	0.620	-1.8	-7.2	0.000	-2.1	-6.5	0.000	-0.8	-5.1	0.000
MT061035	Baronesse/MT981210	8.8	4.7	0.000	0.6	1.6	0.144	1.9	1.1	0.296	0.1	0.5	0.633	-1.5	-2.4	0.037	-0.2	-0.9	0.404
MT061104	Harrington/MT970229	-0.2	-0.1	0.908	1	2.5	0.030	4.5	1.9	0.086	-1.9	-4	0.002	0	0	0.985	0.1	0.7	0.508
MT061134	Kendal/Conlon	-0.5	-0.2	0.847	0.1	0.4	0.731	5.3	2.1	0.060	-0.9	-2.3	0.045	0	0	0.986	0.3	1	0.356
MT061169	MT960101/Coors 37	4.2	2.4	0.027	1.2	3.1	0.009	1	0.5	0.622	0	0.1	0.938	-2.2	-6.7	0.000	0.5	2.8	0.015
MT061201	MT970110/LK232	1.1	0.5	0.634	0.9	1.9	0.095	3.9	2.2	0.054	-2.3	-6.6	0.000	0.2	0.4	0.721	0.5	1.5	0.176
MT070086	MT970148/Coors37	4.6	2.7	0.017	0.5	1.2	0.268	2.9	1.2	0.260	0.4	0.9	0.364	-7.3	-10.1	0.000	-0.6	-2.8	0.016
MT070111	MT010178/Harrington	3.6	2.2	0.047	1.2	3.3	0.006	1.8	1	0.332	-0.5	-1.7	0.115	-0.3	-0.9	0.382	0	-0.3	0.734
MT070125	MT981210/MT970116	4	1.5	0.151	1.4	3.4	0.005	1.8	1.8	0.097	0.5	1.5	0.166	-0.5	-1	0.335	0	0	0.976
MT070136	MT010178/MT970148	0.9	0.6	0.591	0.8	2.4	0.041	4.5	2.1	0.061	1.4	3.9	0.004	-0.5	-0.9	0.369	0.5	2	0.079
MT070148	MT990172/Metcalfe	1.1	0.7	0.497	1	3.6	0.003	6.8	2.5	0.029	-2.1	-5.3	0.000	-1.4	-3.2	0.008	0.4	2.4	0.032
MT070158	MT970148/Klages	5.1	3.7	0.002	1	3	0.011	4.4	2.3	0.040	-1.7	-4.7	0.001	-2.5	-7	0.000	-0.1	-0.3	0.740
MT070159	MT970148/Klages	3.7	1.6	0.126	0.5	1.4	0.185	3.4	1.6	0.143	-2.2	-5	0.000	-3	-6.9	0.000	-0.2	-1.2	0.254
MT070161	MT970148/Klages	3.8	2.1	0.055	1	2.2	0.045	4.4	2.1	0.061	-2.2	-7	0.000	-3.2	-6.7	0.000	-0.1	-0.6	0.558
MT070174	LK644///Hockett F5	-3	-1.4	0.204	1.2	2.4	0.039	6.3	1.7	0.120	-2.7	-4.6	0.001	-1.5	-3.8	0.004	-0.9	-2.6	0.030
MT070175	LK644///Hockett F5	2.8	1.3	0.225	0.7	2.1	0.057	2.3	1.5	0.148	-1	-3.3	0.006	0.3	0.8	0.447	-1.3	-5.4	0.000
MT080081	Coors/Metcalfe	1	0.4	0.692	1	1.5	0.175	7.5	2	0.085	1.1	2.1	0.079	-3.5	-7	0.000	0	-0.1	0.941
MT080083	Coors/Metcalfe	0.6	0.4	0.675	0.9	1.3	0.249	6.5	2	0.082	0.9	2.8	0.027	-2.8	-5.9	0.001	0.1	0.6	0.569
MT080085	Coors/Metcalfe	-0.5	-0.2	0.849	1.4	2.1	0.069	5.8	1.4	0.212	0.8	2.4	0.045	-2	-3.1	0.018	-0.1	-0.2	0.823
MT080100	Karma	-34.8	-10.6	0.000	6.8	2.3	0.058	-1	-0.9	0.404	-0.7	-0.9	0.391	-0.8	-0.9	0.380	3.1	8.4	0.000
MT080243	MT960101/MT981210	0.7	0.4	0.681	0.6	1.4	0.211	1.7	0.9	0.398	-0.1	-0.2	0.851	0.2	0.2	0.823	-0.2	-0.9	0.413
MT080261	MT970026/MT981091	0.8	0.4	0.725	0.2	0.4	0.686	-5.7	-4.1	0.005	-2.6	-4	0.005	-2.6	-4.2	0.004	-0.1	-0.4	0.714
MT080279	MT970148/MT970116	5.7	3.7	0.004	0.8	1.5	0.183	3.3	1.9	0.094	-2.6	-5	0.002	-3.5	-8.2	0.000	-0.4	-2.3	0.053
MT080281	MT970148/MT970116	4.3	3.1	0.010	0.6	0.9	0.394	5.6	1.9	0.093	-2.3	-5.2	0.001	-4.4	-10.5	0.000	-0.7	-3.3	0.013
MT080285	MT970148/MT970116	4	1.4	0.180	1.2	3.1	0.018	5.9	2.2	0.065	-1.8	-3.2	0.014	-3.5	-6.8	0.000	-0.2	-0.8	0.449
MT910189	Hockett	3.9	4.1	0.000	1.8	8	0.000	4.7	3	0.005	-2.9	-10.3	0.000	-1	-3.8	0.000	-0.1	-0.7	0.478
MT950186	Haxby	5.9	4.3	0.000	2.9	11.7	0.000	4.4	3.6	0.000	-2	-7.5	0.000	-0.2	-0.6	0.525	-0.1	-0.5	0.591
MT960101	Geraldine	2.1	2.5	0.018	1.2	5.8	0.000	-3.6	-2.9	0.007	1.4	5.5	0.000	-1.7	-7.1	0.000	-0.2	-1.5	0.143
MT970116	Craft	3.9	2.4	0.021	2.6	11.1	0.000	5.3	4.1	0.000	-2.4	-9.4	0.000	2.1	7.5	0.000	-0.1	-0.7	0.465
PI568246	Baronesse	8.1	8.8	0.000	1.5	7.2	0.000	1.5	1.3	0.211	0.1	0.4	0.718	-1.7	-6.4	0.000	-0.2	-1.3	0.215
PI643354	Pinnacle	-2.1	-0.7	0.511	0.8	1.3	0.239	8.1	2.6	0.036	-3.5	-4.7	0.002	-0.7	-0.7	0.516	-1.7	-5.8	0.001
TR232	Metcalfe	-0.7	-0.6	0.555	0.4	2	0.060	0.9	0.9	0.393	-1.1	-3.7	0.001	0.4	1.8	0.087	0.3	2.9	0.007
YU501385	Champion	12.7	8.4	0.000	2.5	7.9	0.000	4.2	2.5	0.019	-1.9	-9	0.000	0.1	0.2	0.805	-0.5	-2.5	0.018
The Mean of the Reference Variety is:		79.6		N=56	49.9		N=42	82.9		N=42	181		N=41	32.4		N=42	12.7		N=41

(1) Dryland Locations; Havre, Sidney, Moccasin, Huntley, Conrad and Bozeman

2002-2011 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Yield

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
YU501385	Champion	87.3	29	12.7	8.4	0.000
MT061035	Baronesse/MT981210	86	16	8.8	4.7	0.000
MT020155	MT960225/H1851195	84.6	39	7.9	5.9	0.000
MT080279	MT970148/MT970116	83.1	11	5.7	3.7	0.004
MT070158	MT970148/Klages	82.3	16	5.1	3.7	0.002
MT020162	MT960225/H1851195	82.1	39	5.5	4.4	0.000
2B965057	Conrad	81.9	39	5.2	5	0.000
MT070086	MT970148/Coors37	81.8	16	4.6	2.7	0.017
MT080281	MT970148/MT970116	81.7	11	4.3	3.1	0.010
EM090128	03021-03	81.6	11	4.2	2.2	0.053
MT080285	MT970148/MT970116	81.5	11	4	1.4	0.180
MT061169	MT960101/Coors 37	81.4	16	4.2	2.4	0.027
MT070125	MT981210/MT970116	81.2	16	4	1.5	0.151
MT070159	MT970148/Klages	80.9	16	3.7	1.6	0.126
MT070161	MT970148/Klages	80.9	16	3.8	2.1	0.055
MT070111	MT010178/Harrington	80.8	16	3.6	2.2	0.047
MT070175	LK644///Hockett F5	80	16	2.8	1.3	0.225
EM090117	03013-25	79.9	11	2.5	1.6	0.135
MT030042	MT910189/MT960099	79.4	34	3.4	2.4	0.021
PI568246	Baronesse	78.6	51	8.1	8.8	0.000
MT080081	Coors/Metcalfe	78.5	11	1	0.4	0.692
MT070148	MT990172/Metcalfe	78.3	16	1.1	0.7	0.497
MT080243	MT960101/MT981210	78.2	11	0.7	0.4	0.681
MT080261	MT970026/MT981091	78.2	11	0.8	0.4	0.725
MT080083	Coors/Metcalfe	78.1	11	0.6	0.4	0.675
MT010160	MT920041/Harrington	77.6	45	4.1	4.3	0.000
TR232	Metcalfe	77.4	31	-0.7	-0.6	0.555
MT061104	Harrington/MT970229	77	16	-0.2	-0.1	0.908
MT080085	Coors/Metcalfe	77	11	-0.5	-0.2	0.849
COPELAND	Copeland	76.7	11	-0.8	-0.5	0.610
MT950186	Haxby	76.5	51	5.9	4.3	0.000
SCARLETT	Scarlett	75.9	10	-1.7	-2.1	0.065
PI643354	Pinnacle	75.4	11	-2.1	-0.7	0.511
MT061201	MT970110/LK232	75.2	11	1.1	0.5	0.634
MT070136	MT010178/MT970148	75.1	11	0.9	0.6	0.591
MT910189	Hockett	74.5	51	3.9	4.1	0.000
MT970116	Craft	74.4	51	3.9	2.4	0.021
MT010158	Amsterdam	74	45	0.5	0.4	0.684
MT061134	Kendal/Conlon	73.7	11	-0.5	-0.2	0.847
MT960101	Geraldine	71.4	46	2.1	2.5	0.018
MT070174	LK644///Hockett F5	71.1	11	-3	-1.4	0.204
6B952482	Tradition	70.7	51	0.1	0.1	0.953
MT080100	Karma	42.6	11	-34.8	-10.6	0.000

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 79.6 (N=51)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Test Wt

ID	Pedigree	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	56.5	8	6.8	2.3	0.058
MT950186	Haxby	52.8	42	2.9	11.7	0.000
MT970116	Craft	52.5	42	2.6	11.1	0.000
YU501385	Champion	52.3	24	2.5	7.9	0.000
MT030042	MT910189/MT960099	51.8	27	2	5.9	0.000
MT070125	MT981210/MT970116	51.7	13	1.4	3.4	0.005
MT910189	Hockett	51.7	42	1.8	8	0.000
MT010158	Amsterdam	51.6	37	1.6	6	0.000
MT010160	MT920041/Harrington	51.6	37	1.6	7.5	0.000
MT020162	MT960225/H1851195	51.6	32	1.6	5.6	0.000
MT061169	MT960101/Coors 37	51.5	13	1.2	3.1	0.009
MT070111	MT010178/Harrington	51.5	13	1.2	3.3	0.006
MT070174	LK644///Hockett F5	51.5	10	1.2	2.4	0.039
PI568246	Baronesse	51.4	42	1.5	7.2	0.000
MT061104	Harrington/MT970229	51.3	13	1	2.5	0.030
MT070148	MT990172/Metcalfe	51.3	13	1	3.6	0.003
MT070158	MT970148/Klages	51.3	13	1	3	0.011
MT070161	MT970148/Klages	51.3	13	1	2.2	0.045
MT061201	MT970110/LK232	51.2	10	0.9	1.9	0.095
2B965057	Conrad	51.1	32	1	4.4	0.000
MT070136	MT010178/MT970148	51.1	10	0.8	2.4	0.041
MT080085	Coors/Metcalfe	51.1	8	1.4	2.1	0.069
MT020155	MT960225/H1851195	51	32	0.9	3.3	0.003
MT070175	LK644///Hockett F5	51	13	0.7	2.1	0.057
MT960101	Geraldine	50.9	37	1.2	5.8	0.000
MT061035	Baronesse/MT981210	50.8	13	0.6	1.6	0.144
MT070086	MT970148/Coors37	50.8	13	0.5	1.2	0.268
MT070159	MT970148/Klages	50.8	13	0.5	1.4	0.185
MT080285	MT970148/MT970116	50.8	8	1.2	3.1	0.018
TR232	Metcalfe	50.8	27	0.4	2	0.060
MT080081	Coors/Metcalfe	50.7	8	1	1.5	0.175
EM090128	03021-03	50.5	8	0.9	1.8	0.115
MT080083	Coors/Metcalfe	50.5	8	0.9	1.3	0.249
MT061134	Kendal/Conlon	50.4	10	0.1	0.4	0.731
MT080279	MT970148/MT970116	50.4	8	0.8	1.5	0.183
PI643354	Pinnacle	50.4	8	0.8	1.3	0.239
MT080243	MT960101/MT981210	50.3	8	0.6	1.4	0.211
MT080281	MT970148/MT970116	50.2	8	0.6	0.9	0.394
EM090117	03013-25	50.1	8	0.5	0.5	0.612
6B952482	Tradition	50	42	0.1	0.5	0.604
COPELAND	Copeland	49.8	8	0.1	0.3	0.741
MT080261	MT970026/MT981091	49.8	8	0.2	0.4	0.686

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS: 49.9 (N=42)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, and Conrad

Plump %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT070148	MT990172/Metcalfe	93.5	13	6.8	2.5	0.029
MT070174	LK644///Hockett F5	91.7	10	6.3	1.7	0.120
MT061104	Harrington/MT970229	91.2	13	4.5	1.9	0.086
MT070158	MT970148/Klages	91.1	13	4.4	2.3	0.040
MT070161	MT970148/Klages	91.1	13	4.4	2.1	0.061
MT061134	Kendal/Conlon	90.8	10	5.3	2.1	0.060
PI643354	Pinnacle	90.3	8	8.1	2.6	0.036
MT070159	MT970148/Klages	90.1	13	3.4	1.6	0.143
MT070136	MT010178/MT970148	89.9	10	4.5	2.1	0.061
MT070086	MT970148/Coors37	89.7	13	2.9	1.2	0.260
MT080081	Coors/Metcalfe	89.7	8	7.5	2	0.085
MT061201	MT970110/LK232	89.4	10	3.9	2.2	0.054
EM090117	03013-25	89.2	8	7	1.5	0.178
MT070175	LK644///Hockett F5	89	13	2.3	1.5	0.148
MT080083	Coors/Metcalfe	88.7	8	6.5	2	0.082
MT061035	Baronesse/MT981210	88.6	13	1.9	1.1	0.296
MT070111	MT010178/Harrington	88.5	13	1.8	1	0.332
MT070125	MT981210/MT970116	88.5	13	1.8	1.8	0.097
6B952482	Tradition	88.3	42	5.3	3.4	0.001
MT970116	Craft	88.2	42	5.3	4.1	0.000
MT080285	MT970148/MT970116	88.1	8	5.9	2.2	0.065
MT080085	Coors/Metcalfe	88	8	5.8	1.4	0.212
MT080281	MT970148/MT970116	87.8	8	5.6	1.9	0.093
MT061169	MT960101/Coors 37	87.7	13	1	0.5	0.622
MT910189	Hockett	87.6	42	4.7	3	0.005
MT010158	Amsterdam	87.5	37	4.7	3.9	0.000
2B965057	Conrad	87.3	32	4.3	3.7	0.000
MT950186	Haxby	87.3	42	4.4	3.6	0.000
COPELAND	Copeland	86.9	8	4.7	2.4	0.045
MT020162	MT960225/H1851195	85.7	32	2.7	2.3	0.028
MT080279	MT970148/MT970116	85.4	8	3.3	1.9	0.094
TR232	Metcalfe	84.9	27	0.9	0.9	0.393
EM090128	03021-03	84.8	8	2.6	0.6	0.557
YU501385	Champion	84.8	24	4.2	2.5	0.019
MT010160	MT920041/Harrington	84.5	37	1.6	1.3	0.190
PI568246	Baronesse	84.5	42	1.5	1.3	0.211
MT080243	MT960101/MT981210	83.9	8	1.7	0.9	0.398
MT020155	MT960225/H1851195	82.7	32	-0.4	-0.3	0.778
MT080100	Karma	81.2	8	-1	-0.9	0.404
MT030042	MT910189/MT960099	81.1	27	-0.6	-0.5	0.620
MT960101	Geraldine	78.3	37	-3.6	-2.9	0.007
MT080261	MT970026/MT981091	76.5	8	-5.7	-4.1	0.005

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS: 82.9 (N=42)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Heading Date

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
EM090117	03013-25	192.5	8	3.5	7.2	0.000
EM090128	03021-03	190.6	8	1.6	3.4	0.012
MT080081	Coors/Metcalfe	190.1	8	1.1	2.1	0.079
MT080083	Coors/Metcalfe	189.9	8	0.9	2.8	0.027
MT080085	Coors/Metcalfe	189.8	8	0.8	2.4	0.045
MT070136	MT010178/MT970148	189.5	10	1.4	3.9	0.004
COPELAND	Copeland	189.1	8	0.1	0.3	0.776
MT080243	MT960101/MT981210	188.9	8	-0.1	-0.2	0.851
MT080100	Karma	188.3	8	-0.7	-0.9	0.391
MT080285	MT970148/MT970116	187.2	8	-1.8	-3.2	0.014
MT061134	Kendal/Conlon	187.1	10	-0.9	-2.3	0.045
MT070125	MT981210/MT970116	187.1	13	0.5	1.5	0.166
MT070086	MT970148/Coors37	186.9	13	0.4	0.9	0.364
MT061035	Baronesse/MT981210	186.7	13	0.1	0.5	0.633
MT080281	MT970148/MT970116	186.7	8	-2.3	-5.2	0.001
MT061169	MT960101/Coors 37	186.6	13	0	0.1	0.938
MT080261	MT970026/MT981091	186.4	8	-2.6	-4	0.005
MT080279	MT970148/MT970116	186.4	8	-2.6	-5	0.002
MT070111	MT010178/Harrington	186.1	13	-0.5	-1.7	0.115
MT061201	MT970110/LK232	185.8	10	-2.3	-6.6	0.000
MT070175	LK644///Hockett F5	185.6	13	-1	-3.3	0.006
PI643354	Pinnacle	185.5	8	-3.5	-4.7	0.002
MT070174	LK644///Hockett F5	185.3	10	-2.7	-4.6	0.001
MT070158	MT970148/Klages	184.8	13	-1.7	-4.7	0.001
MT061104	Harrington/MT970229	184.6	13	-1.9	-4	0.002
MT070148	MT990172/Metcalfe	184.5	13	-2.1	-5.3	0.000
MT070159	MT970148/Klages	184.4	13	-2.2	-5	0.000
MT070161	MT970148/Klages	184.3	13	-2.2	-7	0.000
MT960101	Geraldine	183	36	1.4	5.5	0.000
PI568246	Baronesse	181.2	41	0.1	0.4	0.718
MT020162	MT960225/H1851195	181.1	31	-0.3	-1	0.333
2B965057	Conrad	180.8	31	-0.6	-1.9	0.068
TR232	Metcalfe	180.8	26	-1.1	-3.7	0.001
MT010160	MT920041/Harrington	180.4	36	-0.5	-2.3	0.025
MT030042	MT910189/MT960099	180.3	26	-1.8	-7.2	0.000
YU501385	Champion	180.3	23	-1.9	-9	0.000
MT010158	Amsterdam	179.4	36	-1.5	-5.7	0.000
MT950186	Haxby	179.1	41	-2	-7.5	0.000
MT970116	Craft	178.7	41	-2.4	-9.4	0.000
MT910189	Hockett	178.2	41	-2.9	-10.3	0.000
6B952482	Tradition	177.6	41	-3.5	-13.1	0.000
MT020155	MT960225/H1851195	176.6	31	-4.8	-12.9	0.000

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 181 (N=41)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, and Bozeman

Plant Ht

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
6B952482	Tradition	34.6	42	2.3	5.8	0.000
MT970116	Craft	34.5	42	2.1	7.5	0.000
MT020162	MT960225/H1851195	33.3	32	1.1	2.7	0.011
COPELAND	Copeland	33	8	1.9	3.3	0.014
MT010160	MT920041/Harrington	32.9	37	0.5	2	0.058
MT020155	MT960225/H1851195	32.1	32	-0.1	-0.4	0.701
MT950186	Haxby	32.1	42	-0.2	-0.6	0.525
TR232	Metcalfe	32.1	27	0.4	1.8	0.087
MT010158	Amsterdam	31.4	37	-1	-3.7	0.001
YU501385	Champion	31.4	24	0.1	0.2	0.805
MT910189	Hockett	31.3	42	-1	-3.8	0.000
MT080243	MT960101/MT981210	31.2	8	0.2	0.2	0.823
MT070175	LK644///Hockett F5	31	13	0.3	0.8	0.447
2B965057	Conrad	30.7	32	-1.6	-5.6	0.000
MT061104	Harrington/MT970229	30.7	13	0	0	0.985
PI568246	Baronesse	30.7	42	-1.7	-6.4	0.000
MT070111	MT010178/Harrington	30.4	13	-0.3	-0.9	0.382
PI643354	Pinnacle	30.4	8	-0.7	-0.7	0.516
MT061201	MT970110/LK232	30.3	10	0.2	0.4	0.721
MT070125	MT981210/MT970116	30.3	13	-0.5	-1	0.335
MT080100	Karma	30.3	8	-0.8	-0.9	0.380
MT960101	Geraldine	30.1	37	-1.7	-7.1	0.000
MT061134	Kendal/Conlon	30	10	0	0	0.986
MT070136	MT010178/MT970148	29.6	10	-0.5	-0.9	0.369
MT030042	MT910189/MT960099	29.5	27	-2.1	-6.5	0.000
MT070148	MT990172/Metcalfe	29.4	13	-1.4	-3.2	0.008
MT061035	Baronesse/MT981210	29.2	13	-1.5	-2.4	0.037
MT080085	Coors/Metcalfe	29.1	8	-2	-3.1	0.018
MT061169	MT960101/Coors 37	28.5	13	-2.2	-6.7	0.000
MT070174	LK644///Hockett F5	28.5	10	-1.5	-3.8	0.004
MT080261	MT970026/MT981091	28.5	8	-2.6	-4.2	0.004
MT080083	Coors/Metcalfe	28.3	8	-2.8	-5.9	0.001
MT070158	MT970148/Klages	28.2	13	-2.5	-7	0.000
EM090117	03013-25	27.9	8	-3.1	-7.2	0.000
MT070159	MT970148/Klages	27.8	13	-3	-6.9	0.000
MT080081	Coors/Metcalfe	27.6	8	-3.5	-7	0.000
MT080285	MT970148/MT970116	27.6	8	-3.5	-6.8	0.000
MT070161	MT970148/Klages	27.5	13	-3.2	-6.7	0.000
MT080279	MT970148/MT970116	27.5	8	-3.5	-8.2	0.000
MT080281	MT970148/MT970116	26.7	8	-4.4	-10.5	0.000
EM090128	03021-03	26.6	8	-4.5	-7.5	0.000
MT070086	MT970148/Coors37	23.4	13	-7.3	-10.1	0.000

THE MEAN FOR THE REFERENCE VARIETY HARRIGNTON (SK 76333) IS 32.4 (N=42)

(1) Dryland Locations: Havre, Sidney, Moccasin, Huntley, Conrad, Bozeman

2002-2011 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Protein %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	15.8	8	3.1	8.4	0.000
2B965057	Conrad	13.2	32	0.7	5.1	0.000
EM090117	03013-25	13	8	0.3	1.2	0.252
MT080083	Coors/Metcalfe	12.8	8	0.1	0.6	0.569
6B952482	Tradition	12.7	41	0	0.1	0.897
MT010158	Amsterdam	12.7	37	0.2	1.3	0.189
MT010160	MT920041/Harrington	12.7	37	0.1	1.3	0.211
MT020162	MT960225/H1851195	12.7	32	0.3	2.1	0.045
MT061201	MT970110/LK232	12.7	10	0.5	1.5	0.176
MT070136	MT010178/MT970148	12.7	10	0.5	2	0.079
MT061169	MT960101/Coors 37	12.6	13	0.5	2.8	0.015
MT080081	Coors/Metcalfe	12.6	8	0	-0.1	0.941
MT080085	Coors/Metcalfe	12.6	8	-0.1	-0.2	0.823
MT080261	MT970026/MT981091	12.6	8	-0.1	-0.4	0.714
MT910189	Hockett	12.6	41	-0.1	-0.7	0.478
MT950186	Haxby	12.6	41	-0.1	-0.5	0.591
MT970116	Craft	12.6	41	-0.1	-0.7	0.465
TR232	Metcalfe	12.6	27	0.3	2.9	0.007
MT020155	MT960225/H1851195	12.5	32	0	0.3	0.804
MT061134	Kendal/Conlon	12.5	10	0.3	1	0.356
MT070148	MT990172/Metcalfe	12.5	13	0.4	2.4	0.032
MT080243	MT960101/MT981210	12.5	8	-0.2	-0.9	0.413
MT080285	MT970148/MT970116	12.5	8	-0.2	-0.8	0.449
MT960101	Geraldine	12.5	36	-0.2	-1.5	0.143
PI568246	Baronesse	12.5	41	-0.2	-1.3	0.215
EM090128	03021-03	12.4	8	-0.3	-1.1	0.289
MT061104	Harrington/MT970229	12.3	13	0.1	0.7	0.508
MT080279	MT970148/MT970116	12.2	8	-0.4	-2.3	0.053
COPELAND	Copeland	12.1	8	-0.6	-2.4	0.048
MT070111	MT010178/Harrington	12.1	13	0	-0.3	0.734
MT070125	MT981210/MT970116	12.1	13	0	0	0.976
MT070158	MT970148/Klages	12.1	13	-0.1	-0.3	0.740
YU501385	Champion	12.1	24	-0.5	-2.5	0.018
MT061035	Baronesse/MT981210	12	13	-0.2	-0.9	0.404
MT070161	MT970148/Klages	12	13	-0.1	-0.6	0.558
MT080281	MT970148/MT970116	12	8	-0.7	-3.3	0.013
MT070159	MT970148/Klages	11.9	13	-0.2	-1.2	0.254
MT030042	MT910189/MT960099	11.7	27	-0.8	-5.1	0.000
MT070086	MT970148/Coors37	11.5	13	-0.6	-2.8	0.016
MT070174	LK644///Hockett F5	11.3	10	-0.9	-2.6	0.030
MT070175	LK644///Hockett F5	10.9	13	-1.3	-5.4	0.000
PI643354	Pinnacle	10.9	8	-1.7	-5.8	0.001

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 12.7 (N=41)

(1) Dryland Locations: Havre, sidney, Moccasin, Huntley, Conrad, and Bozeman

Statewide

ID	PEDIGREE	Yield			Test Wt			Plump %			Heading Date			Plant Ht			Protein %		
		MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE
2B965057	Conrad	3.1	1.5	0.155	-1.5	-6.7	0.000	0.4	0.5	0.643	1.8	5.9	0.000	-1	-2.5	0.019	0.4	1.7	0.104
6B952482	Tradition	-4.3	-2.2	0.032	-2.7	-13.6	0.000	0.9	1	0.301	-1.5	-6.7	0.000	2.2	5.1	0.000	0.1	0.6	0.560
COPELAND	Copeland	7.4	1.6	0.160	-1.9	-4.1	0.005	-1.5	-0.9	0.409	n/s	n/s	n/s	3.6	3.5	0.009	-0.7	-0.7	0.519
EM090117	03013-25	8	1.5	0.176	-1.5	-2.5	0.040	0.8	0.3	0.796	n/s	n/s	n/s	-0.3	-0.2	0.868	-1.8	-0.9	0.388
EM090128	03021-03	13.2	2.9	0.024	-1.2	-2.5	0.039	-3.6	-1.2	0.283	n/s	n/s	n/s	-1.6	-0.6	0.545	-3.6	-1.4	0.191
MT010158	Amsterdam	-4.2	-2	0.055	-1.2	-6.7	0.000	0.6	0.7	0.476	0.6	1.8	0.078	-0.6	-1.8	0.079	0.2	0.8	0.455
MT010160	MT920041/Harrington	-4.9	-2.8	0.008	-1.1	-5.5	0.000	-2.4	-2.2	0.034	1.6	6	0.000	1.4	2.5	0.016	-0.4	-0.6	0.530
MT020155	MT960225/H1851195	2.1	1.2	0.249	-1.6	-7.1	0.000	-3.9	-3.7	0.001	-2.4	-6.9	0.000	0.6	1.6	0.122	0	-0.1	0.915
MT020162	MT960225/H1851195	4.4	2	0.050	-1	-4.4	0.000	-1.1	-0.9	0.390	2.1	8	0.000	1.2	1.5	0.136	0	0	0.986
MT030042	MT910189/MT960099	1.1	0.4	0.661	-0.4	-2	0.054	-4	-2.8	0.008	0.4	1.2	0.245	-0.9	-1.8	0.089	-1.3	-3.1	0.005
MT061035	Baronesse/MT981210	14.6	4.6	0.000	-1.2	-5	0.000	-1.3	-1.4	0.194	2.1	6	0.000	0.8	1.1	0.303	-1	-1.7	0.111
MT061104	Harrington/MT970229	1.6	0.6	0.571	-0.8	-3.8	0.002	1	0.9	0.367	0.5	1.1	0.299	1.2	1.8	0.100	0.8	1.2	0.252
MT061134	Kendal/Conlon	0.4	0.1	0.932	-1.7	-5.9	0.000	1	1.4	0.184	1.1	2.6	0.026	1.9	3.9	0.002	0.3	0.9	0.412
MT061169	MT960101/Coors 37	7	2.3	0.033	-0.7	-2.1	0.056	-2.2	-2.4	0.028	2.1	7.3	0.000	-0.4	-0.5	0.641	-0.1	-0.2	0.879
MT061201	MT970110/LK232	-5.6	-1.4	0.193	-0.9	-3.1	0.009	-0.3	-0.2	0.845	-0.3	-0.9	0.391	2.5	6.4	0.000	0.2	0.6	0.584
MT070086	MT970148/Coors37	6.8	1.4	0.185	-1.3	-2.7	0.020	-0.8	-0.7	0.512	2.5	4.4	0.001	-4	-2.8	0.016	-2.2	-2.2	0.049
MT070111	MT010178/Harrington	4.1	1.1	0.294	-0.6	-1.8	0.093	-1.9	-1.4	0.193	1.7	3.8	0.003	2.2	2.2	0.050	-1.4	-1	0.329
MT070125	MT981210/MT970116	3.5	1	0.340	-0.3	-1.1	0.279	-1.9	-1.2	0.252	2.8	6.7	0.000	1.6	1.6	0.134	-1.1	-1	0.326
MT070136	MT010178/MT970148	-2.1	-0.5	0.632	-1	-3.3	0.009	-0.4	-0.4	0.699	3.6	7.7	0.000	1.4	1.6	0.134	-0.1	-0.1	0.902
MT070148	MT990172/Metcalfe	1.7	0.5	0.622	-0.7	-2.1	0.059	3.1	4.4	0.000	0.5	3	0.013	0.4	0.6	0.561	0.5	1.6	0.129
MT070158	MT970148/Klages	8.9	2.5	0.028	-0.7	-1.7	0.120	0.7	1	0.324	0.7	1.5	0.169	-0.3	-0.5	0.634	-0.3	-1.1	0.292
MT070159	MT970148/Klages	8.4	2.5	0.026	-1.3	-5.2	0.000	-0.3	-0.6	0.585	0.3	0.6	0.530	-0.6	-1.4	0.187	-0.6	-1.6	0.141
MT070161	MT970148/Klages	6.7	1.8	0.096	-0.8	-2	0.067	0.7	1.4	0.173	0	0.1	0.906	-0.7	-1.1	0.286	-0.5	-1.2	0.255
MT070174	LK644///Hockett F5	-3.8	-1	0.365	-0.6	-2.3	0.048	1.4	0.8	0.432	-0.4	-0.8	0.462	-1	-0.7	0.483	0.2	0.1	0.889
MT070175	LK644///Hockett F5	5.3	1.7	0.123	-1.1	-3.4	0.005	-1.4	-1.2	0.242	1.2	4.6	0.001	1.6	1.9	0.079	-1.3	-5.7	0.000
MT080081	Coors/Metcalfe	6.2	1.3	0.228	-1	-1.7	0.133	1.3	2	0.090	n/s	n/s	n/s	-0.9	-1.5	0.187	-0.1	-0.2	0.869
MT080083	Coors/Metcalfe	9.3	2.2	0.064	-1.2	-1.8	0.119	0.3	0.3	0.797	n/s	n/s	n/s	0	0	0.962	0	-0.1	0.942
MT080085	Coors/Metcalfe	3.8	1.7	0.141	-0.6	-1.8	0.112	-0.4	-0.3	0.773	n/s	n/s	n/s	0.6	0.8	0.455	-0.7	-0.9	0.406
MT080100	Karma	-46.2	-7.5	0.000	4.8	1.9	0.106	-7.2	-2.6	0.035	n/s	n/s	n/s	2.2	1	0.368	-0.2	-0.1	0.936
MT080243	MT960101/MT981210	4.7	1.3	0.235	-1.4	-3.7	0.007	-4.5	-1.9	0.093	n/s	n/s	n/s	2.8	1.8	0.123	-2.2	-1	0.333
MT080261	MT970026/MT981091	-0.9	-0.3	0.796	-1.9	-2.3	0.053	-11.9	-3.3	0.013	n/s	n/s	n/s	0	0	0.986	-2.8	-1.2	0.280
MT080279	MT970148/MT970116	10.4	2.7	0.031	-1.3	-1.9	0.093	-3	-1.4	0.197	n/s	n/s	n/s	-0.7	-0.7	0.478	-1.2	-2	0.085
MT080281	MT970148/MT970116	6.9	1.7	0.134	-1.5	-2.6	0.035	-0.6	-0.8	0.438	n/s	n/s	n/s	-1.3	-1.5	0.189	-1	-2.9	0.022
MT080285	MT970148/MT970116	9.6	1.9	0.095	-0.8	-1.6	0.161	-0.3	-0.1	0.891	n/s	n/s	n/s	-1.4	-1.6	0.161	0.3	0.3	0.755
MT910189	Hockett	-4.9	-2.5	0.015	-1	-5.4	0.000	0.2	0.2	0.826	-0.8	-2.5	0.017	-0.7	-1.9	0.068	0	-0.2	0.820
MT960101	Geraldine	0.7	0.4	0.687	-1.6	-7.9	0.000	-7.7	-6.2	0.000	3.2	10.6	0.000	-1.4	-3.4	0.002	-0.4	-1.6	0.117
MT970116	Craft	-1.4	-1.1	0.292	-0.3	-1.7	0.098	1	1.2	0.234	-0.4	-1.7	0.104	2.2	5.4	0.000	-0.1	-0.7	0.465
PI568246	Baronesse	4.6	2.3	0.025	-1.3	-6.8	0.000	-2.6	-2.4	0.022	2	9.5	0.000	-1.4	-3.2	0.003	-0.2	-1.1	0.263
PI643354	Pinnacle	-9.3	-4.2	0.004	-1.3	-4	0.005	1.9	1.8	0.121	n/s	n/s	n/s	0.5	0.6	0.566	-0.1	-0.1	0.940
SK 76333	Harrington	-8	-4.3	0.000	-2.9	-11.7	0.000	-4.4	-3.6	0.001	1.9	7.1	0.000	0.1	0.2	0.806	-0.3	-0.8	0.439
TR232	Metcalfe	-7.6	-3.5	0.002	-1.9	-10.2	0.000	-2	-2	0.051	1.3	4.7	0.000	0.8	1.4	0.167	0.1	0.3	0.731
YU501385	Champion	13.1	6.5	0.000	-0.1	-0.5	0.616	0.2	0.2	0.822	0.5	2.2	0.040	0.4	0.6	0.561	-0.3	-1.7	0.110
The Mean of the Reference Variety is:		114.6		N=45	52.8		N=45	87.8		N=45	178.7		N=42	33.2		N=45	14.3		N=44

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Yield

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT061035	Baronesse/MT981210	123.5	16	14.6	4.6	0.000
YU501385	Champion	120.4	27	13.1	6.5	0.000
PI568246	Baronesse	119.2	45	4.6	2.3	0.025
MT061169	MT960101/Coors 37	115.8	16	7	2.3	0.033
MT020162	MT960225/H1851195	115.7	35	4.4	2	0.050
MT070158	MT970148/Klages	115	13	8.9	2.5	0.028
MT070159	MT970148/Klages	114.6	13	8.4	2.5	0.026
2B965057	Conrad	114.5	35	3.1	1.5	0.155
MT020155	MT960225/H1851195	113.4	35	2.1	1.2	0.249
MT970116	Craft	113.1	45	-1.4	-1.1	0.292
MT960101	Geraldine	113	40	0.7	0.4	0.687
MT070086	MT970148/Coors37	112.9	13	6.8	1.4	0.185
MT070161	MT970148/Klages	112.9	13	6.7	1.8	0.096
MT070175	LK644///Hockett F5	111.5	13	5.3	1.7	0.123
MT061104	Harrington/MT970229	110.5	16	1.6	0.6	0.571
MT070111	MT010178/Harrington	110.3	13	4.1	1.1	0.294
6B952482	Tradition	110.2	45	-4.3	-2.2	0.032
MT070125	MT981210/MT970116	109.7	13	3.5	1	0.340
MT910189	Hockett	109.7	45	-4.9	-2.5	0.015
MT010158	Amsterdam	109.1	40	-4.2	-2	0.055
MT030042	MT910189/MT960099	108.8	30	1.1	0.4	0.661
MT061134	Kendal/Conlon	108.7	13	0.4	0.1	0.932
MT010160	MT920041/Harrington	108.4	40	-4.9	-2.8	0.008
MT070148	MT990172/Metcalfe	107.8	13	1.7	0.5	0.622
SK 76333	Harrington	106.1	42	-8	-4.3	0.000
EM090128	03021-03	103.9	8	13.2	2.9	0.024
MT061201	MT970110/LK232	102.7	13	-5.6	-1.4	0.193
MT070136	MT010178/MT970148	102.6	10	-2.1	-0.5	0.632
TR232	Metcalfe	102.4	27	-7.6	-3.5	0.002
MT080279	MT970148/MT970116	101.2	8	10.4	2.7	0.031
MT070174	LK644///Hockett F5	100.9	10	-3.8	-1	0.365
MT080285	MT970148/MT970116	100.3	8	9.6	1.9	0.095
MT080083	Coors/Metcalfe	100	8	9.3	2.2	0.064
EM090117	03013-25	98.8	8	8	1.5	0.176
COPELAND	Copeland	98.1	8	7.4	1.6	0.160
MT080281	MT970148/MT970116	97.6	8	6.9	1.7	0.134
MT080081	Coors/Metcalfe	96.9	8	6.2	1.3	0.228
MT080243	MT960101/MT981210	95.4	8	4.7	1.3	0.235
MT080085	Coors/Metcalfe	94.5	8	3.8	1.7	0.141
SCARLETT	Scarlett	93	8	2.3	0.6	0.551
MT080261	MT970026/MT981091	89.9	8	-0.9	-0.3	0.796
PI643354	Pinnacle	81.4	8	-9.3	-4.2	0.004
MT080100	Karma	44.6	8	-46.2	-7.5	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186)IS 114.6 (N=45)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Test Wt

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	56.4	8	4.8	1.9	0.106
MT970116	Craft	52.5	45	-0.3	-1.7	0.098
YU501385	Champion	52.4	27	-0.1	-0.5	0.616
MT030042	MT910189/MT960099	52	30	-0.4	-2	0.054
MT020162	MT960225/H1851195	51.8	35	-1	-4.4	0.000
MT910189	Hockett	51.8	45	-1	-5.4	0.000
MT010158	Amsterdam	51.7	40	-1.2	-6.7	0.000
MT010160	MT920041/Harrington	51.7	40	-1.1	-5.5	0.000
MT061169	MT960101/Coors 37	51.7	16	-0.7	-2.1	0.056
MT070125	MT981210/MT970116	51.7	13	-0.3	-1.1	0.279
MT061104	Harrington/MT970229	51.6	16	-0.8	-3.8	0.002
MT061201	MT970110/LK232	51.6	13	-0.9	-3.1	0.009
MT070111	MT010178/Harrington	51.5	13	-0.6	-1.8	0.093
MT070174	LK644///Hockett F5	51.5	10	-0.6	-2.3	0.048
PI568246	Baronesse	51.5	45	-1.3	-6.8	0.000
MT070148	MT990172/Metcalfe	51.3	13	-0.7	-2.1	0.059
MT070158	MT970148/Klages	51.3	13	-0.7	-1.7	0.120
MT070161	MT970148/Klages	51.3	13	-0.8	-2	0.067
2B965057	Conrad	51.2	35	-1.5	-6.7	0.000
MT061035	Baronesse/MT981210	51.2	16	-1.2	-5	0.000
MT020155	MT960225/H1851195	51.1	35	-1.6	-7.1	0.000
MT070136	MT010178/MT970148	51.1	10	-1	-3.3	0.009
MT080085	Coors/Metcalfe	51.1	8	-0.6	-1.8	0.112
MT960101	Geraldine	51.1	40	-1.6	-7.9	0.000
MT070175	LK644///Hockett F5	51	13	-1.1	-3.4	0.005
MT061134	Kendal/Conlon	50.9	13	-1.7	-5.9	0.000
MT070086	MT970148/Coors37	50.8	13	-1.3	-2.7	0.020
MT070159	MT970148/Klages	50.8	13	-1.3	-5.2	0.000
MT080285	MT970148/MT970116	50.8	8	-0.8	-1.6	0.161
TR232	Metcalfe	50.8	27	-1.9	-10.2	0.000
MT080081	Coors/Metcalfe	50.7	8	-1	-1.7	0.133
EM090128	03021-03	50.5	8	-1.2	-2.5	0.039
MT080083	Coors/Metcalfe	50.5	8	-1.2	-1.8	0.119
MT080279	MT970148/MT970116	50.4	8	-1.3	-1.9	0.093
PI643354	Pinnacle	50.4	8	-1.3	-4	0.005
MT080243	MT960101/MT981210	50.3	8	-1.4	-3.7	0.007
MT080281	MT970148/MT970116	50.2	8	-1.5	-2.6	0.035
6B952482	Tradition	50.1	45	-2.7	-13.6	0.000
EM090117	03013-25	50.1	8	-1.5	-2.5	0.040
SCARLETT	Scarlett	50	8	-1.7	-2.7	0.031
SK 76333	Harrington	49.9	42	-2.9	-11.7	0.000
COPELAND	Copeland	49.8	8	-1.9	-4.1	0.005
MT080261	MT970026/MT981091	49.8	8	-1.9	-2.3	0.053

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 52.8 (N=45)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Plump %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT070148	MT990172/Metcalfe	93.5	13	3.1	4.4	0.000
MT061134	Kendal/Conlon	92.3	13	1	1.4	0.184
MT061104	Harrington/MT970229	92.2	16	1	0.9	0.367
MT070174	LK644///Hockett F5	91.7	10	1.4	0.8	0.432
MT061201	MT970110/LK232	91.1	13	-0.3	-0.2	0.845
MT070158	MT970148/Klages	91.1	13	0.7	1	0.324
MT070161	MT970148/Klages	91.1	13	0.7	1.4	0.173
PI643354	Pinnacle	90.3	8	1.9	1.8	0.121
MT070159	MT970148/Klages	90.1	13	-0.3	-0.6	0.585
MT061035	Baronesse/MT981210	89.9	16	-1.3	-1.4	0.194
MT070136	MT010178/MT970148	89.9	10	-0.4	-0.4	0.699
MT070086	MT970148/Coors37	89.7	13	-0.8	-0.7	0.512
MT080081	Coors/Metcalfe	89.7	8	1.3	2	0.09
EM090117	03013-25	89.2	8	0.8	0.3	0.796
MT061169	MT960101/Coors 37	89	16	-2.2	-2.4	0.028
MT070175	LK644///Hockett F5	89	13	-1.4	-1.2	0.242
MT970116	Craft	88.8	45	1	1.2	0.234
6B952482	Tradition	88.7	45	0.9	1	0.301
MT080083	Coors/Metcalfe	88.7	8	0.3	0.3	0.797
MT070111	MT010178/Harrington	88.5	13	-1.9	-1.4	0.193
MT070125	MT981210/MT970116	88.5	13	-1.9	-1.2	0.252
MT010158	Amsterdam	88.1	40	0.6	0.7	0.476
MT080285	MT970148/MT970116	88.1	8	-0.3	-0.1	0.891
2B965057	Conrad	88	35	0.4	0.5	0.643
MT080085	Coors/Metcalfe	88	8	-0.4	-0.3	0.773
MT910189	Hockett	88	45	0.2	0.2	0.826
MT080281	MT970148/MT970116	87.8	8	-0.6	-0.8	0.438
COPELAND	Copeland	86.9	8	-1.5	-0.9	0.409
MT020162	MT960225/H1851195	86.5	35	-1.1	-0.9	0.39
YU501385	Champion	86.1	27	0.2	0.2	0.822
MT080279	MT970148/MT970116	85.4	8	-3	-1.4	0.197
PI568246	Baronesse	85.2	45	-2.6	-2.4	0.022
MT010160	MT920041/Harrington	85.1	40	-2.4	-2.2	0.034
TR232	Metcalfe	84.9	27	-2	-2	0.051
EM090128	03021-03	84.8	8	-3.6	-1.2	0.283
MT080243	MT960101/MT981210	83.9	8	-4.5	-1.9	0.093
MT020155	MT960225/H1851195	83.7	35	-3.9	-3.7	0.001
SK 76333	Harrington	82.9	42	-4.4	-3.6	0.001
MT030042	MT910189/MT960099	82.4	30	-4	-2.8	0.008
MT080100	Karma	81.2	8	-7.2	-2.6	0.035
MT960101	Geraldine	79.2	40	-7.7	-6.2	0.000
MT080261	MT970026/MT981091	76.5	8	-11.9	-3.3	0.013

THE MEAN FOR THE REFERENCE VARIETY Haxby (MT950186) IS 87.8 (N=45)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Heading Date

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT070136	MT010178/MT970148	189.2	8	3.6	7.7	0.000
MT070125	MT981210/MT970116	186.7	11	2.8	6.7	0.000
MT070086	MT970148/Coors37	186.5	11	2.5	4.4	0.001
MT070111	MT010178/Harrington	185.6	11	1.7	3.8	0.003
MT070174	LK644///Hockett F5	185.2	8	-0.4	-0.8	0.462
MT070175	LK644///Hockett F5	185.1	11	1.2	4.6	0.001
MT061035	Baronesse/MT981210	184.9	14	2.1	6	0.000
MT061169	MT960101/Coors 37	184.9	14	2.1	7.3	0.000
MT061134	Kendal/Conlon	184.8	11	1.1	2.6	0.026
MT070158	MT970148/Klages	184.6	11	0.7	1.5	0.169
MT070148	MT990172/Metcalfe	184.5	11	0.5	3	0.013
MT070159	MT970148/Klages	184.3	11	0.3	0.6	0.530
MT070161	MT970148/Klages	184	11	0	0.1	0.906
MT061201	MT970110/LK232	183.4	11	-0.3	-0.9	0.391
MT061104	Harrington/MT970229	183.3	14	0.5	1.1	0.299
MT960101	Geraldine	182.5	37	3.2	10.6	0.000
PI568246	Baronesse	180.7	42	2	9.5	0.000
SK 76333	Harrington	180.7	39	1.9	7.1	0.000
MT020162	MT960225/H1851195	180.5	32	2.1	8	0.000
2B965057	Conrad	180.3	32	1.8	5.9	0.000
TR232	Metcalfe	180.1	24	1.3	4.7	0.000
MT010160	MT920041/Harrington	179.9	37	1.6	6	0.000
YU501385	Champion	179.7	24	0.5	2.2	0.040
MT030042	MT910189/MT960099	179.6	27	0.4	1.2	0.245
MT010158	Amsterdam	178.8	37	0.6	1.8	0.078
MT970116	Craft	178.3	42	-0.4	-1.7	0.104
MT910189	Hockett	177.9	42	-0.8	-2.5	0.017
6B952482	Tradition	177.2	42	-1.5	-6.7	0.000
MT020155	MT960225/H1851195	176.1	32	-2.4	-6.9	0.000

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 178.7 (N=42)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Plant Ht

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
COPELAND	Copeland	38	8	3.6	3.5	0.009
MT080243	MT960101/MT981210	37.1	8	2.8	1.8	0.123
MT080100	Karma	36.5	8	2.2	1	0.368
6B952482	Tradition	35.4	45	2.2	5.1	0.000
MT970116	Craft	35.4	45	2.2	5.4	0.000
MT061201	MT970110/LK232	35	13	2.5	6.4	0.000
MT080085	Coors/Metcalfe	34.9	8	0.6	0.8	0.455
PI643354	Pinnacle	34.9	8	0.5	0.6	0.566
MT010160	MT920041/Harrington	34.6	40	1.4	2.5	0.016
SCARLETT	Scarlett	34.6	8	0.2	0.1	0.888
MT070111	MT010178/Harrington	34.5	13	2.2	2.2	0.050
MT061134	Kendal/Conlon	34.4	13	1.9	3.9	0.002
MT080083	Coors/Metcalfe	34.4	8	0	0	0.962
MT020162	MT960225/H1851195	34.3	35	1.2	1.5	0.136
MT080261	MT970026/MT981091	34.3	8	0	0	0.986
EM090117	03013-25	34	8	-0.3	-0.2	0.868
MT070175	LK644///Hockett F5	33.9	13	1.6	1.9	0.079
MT070125	MT981210/MT970116	33.8	13	1.6	1.6	0.134
MT020155	MT960225/H1851195	33.7	35	0.6	1.6	0.122
MT070136	MT010178/MT970148	33.7	10	1.4	1.6	0.134
MT080279	MT970148/MT970116	33.6	8	-0.7	-0.7	0.478
MT061104	Harrington/MT970229	33.5	16	1.2	1.8	0.100
MT080081	Coors/Metcalfe	33.5	8	-0.9	-1.5	0.187
SK 76333	Harrington	33.4	42	0.1	0.2	0.806
TR232	Metcalfe	33.3	27	0.8	1.4	0.167
MT061035	Baronesse/MT981210	33.1	16	0.8	1.1	0.303
MT080281	MT970148/MT970116	33.1	8	-1.3	-1.5	0.189
MT080285	MT970148/MT970116	33	8	-1.4	-1.6	0.161
YU501385	Champion	33	27	0.4	0.6	0.561
EM090128	03021-03	32.7	8	-1.6	-0.6	0.545
MT010158	Amsterdam	32.6	40	-0.6	-1.8	0.079
MT070148	MT990172/Metcalfe	32.6	13	0.4	0.6	0.561
MT910189	Hockett	32.5	45	-0.7	-1.9	0.068
2B965057	Conrad	32.1	35	-1	-2.5	0.019
MT061169	MT960101/Coors 37	31.9	16	-0.4	-0.5	0.641
MT070158	MT970148/Klages	31.9	13	-0.3	-0.5	0.634
PI568246	Baronesse	31.8	45	-1.4	-3.2	0.003
MT030042	MT910189/MT960099	31.6	30	-0.9	-1.8	0.089
MT070159	MT970148/Klages	31.6	13	-0.6	-1.4	0.187
MT070161	MT970148/Klages	31.5	13	-0.7	-1.1	0.286
MT070174	LK644///Hockett F5	31.4	10	-1	-0.7	0.483
MT960101	Geraldine	31.4	40	-1.4	-3.4	0.002
MT070086	MT970148/Coors37	28.2	13	-4	-2.8	0.016

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 33.2 (N=45)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Protein %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080285	MT970148/MT970116	22.9	8	0.3	0.3	0.755
MT080081	Coors/Metcalfe	22.5	8	-0.1	-0.2	0.869
MT080083	Coors/Metcalfe	22.5	8	0	-0.1	0.942
PI643354	Pinnacle	22.5	8	-0.1	-0.1	0.940
MT080100	Karma	22.3	8	-0.2	-0.1	0.936
COPELAND	Copeland	21.9	8	-0.7	-0.7	0.519
MT080085	Coors/Metcalfe	21.8	8	-0.7	-0.9	0.406
MT080281	MT970148/MT970116	21.5	8	-1	-2.9	0.022
MT080279	MT970148/MT970116	21.3	8	-1.2	-2	0.085
EM090117	03013-25	20.8	8	-1.8	-0.9	0.388
SCARLETT	Scarlett	20.7	8	-1.8	-1.3	0.233
MT070174	LK644///Hockett F5	20.5	10	0.2	0.1	0.889
MT080243	MT960101/MT981210	20.4	8	-2.2	-1	0.333
MT070136	MT010178/MT970148	20.2	10	-0.1	-0.1	0.902
MT080261	MT970026/MT981091	19.8	8	-2.8	-1.2	0.280
EM090128	03021-03	19	8	-3.6	-1.4	0.191
MT070148	MT990172/Metcalfe	19	13	0.5	1.6	0.129
MT061134	Kendal/Conlon	18.5	13	0.3	0.9	0.412
MT061201	MT970110/LK232	18.5	13	0.2	0.6	0.584
MT070158	MT970148/Klages	18.1	13	-0.3	-1.1	0.292
MT061104	Harrington/MT970229	18	16	0.8	1.2	0.252
MT070159	MT970148/Klages	17.9	13	-0.6	-1.6	0.141
MT070161	MT970148/Klages	17.9	13	-0.5	-1.2	0.255
MT070125	MT981210/MT970116	17.3	13	-1.1	-1	0.326
MT070175	LK644///Hockett F5	17.2	13	-1.3	-5.7	0.000
MT061169	MT960101/Coors 37	17.1	16	-0.1	-0.2	0.879
MT070111	MT010178/Harrington	17.1	13	-1.4	-1	0.329
MT070086	MT970148/Coors37	16.2	13	-2.2	-2.2	0.049
MT061035	Baronesse/MT981210	16.1	16	-1	-1.7	0.111
TR232	Metcalfe	15.3	27	0.1	0.3	0.731
2B965057	Conrad	15.1	35	0.4	1.7	0.104
YU501385	Champion	15.1	27	-0.3	-1.7	0.110
MT020155	MT960225/H1851195	14.6	35	0	-0.1	0.915
MT020162	MT960225/H1851195	14.6	35	0	0	0.986
MT010158	Amsterdam	14.5	40	0.2	0.8	0.455
6B952482	Tradition	14.4	44	0.1	0.6	0.560
MT910189	Hockett	14.3	44	0	-0.2	0.820
MT960101	Geraldine	14.2	39	-0.4	-1.6	0.117
MT970116	Craft	14.2	44	-0.1	-0.7	0.465
SK 76333	Harrington	14.2	41	-0.3	-0.8	0.439
PI568246	Baronesse	14.1	44	-0.2	-1.1	0.263
MT010160	MT920041/Harrington	14	40	-0.4	-0.6	0.530
MT030042	MT910189/MT960099	13.7	30	-1.3	-3.1	0.005

THE MEAN FOR THE REFERENCE VARIETY HAXBY (MT950186) IS 14.3 (N=44)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

State Wide

ID	PEDIGREE	Yield			Test Wt			Plump %			Heading Date			Plant Ht			Protein %		
		MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE	MEAN DIFF	T-PAIRED VALUE	P VALUE
2B965057	Conrad	8.8	5	0.000	1	4.4	0.000	4.3	3.7	0.000	-0.6	-2	0.053	-1.6	-5.6	0.000	0.7	5.1	0.000
6B952482	Tradition	2.2	1.2	0.232	0.1	0.5	0.604	5.3	3.4	0.001	-3.5	-12.4	0.000	2.3	5.8	0.000	0	0.1	0.897
COPELAND	Copeland	3.1	1.2	0.258	0.1	0.3	0.741	4.7	2.4	0.045	0.2	0.4	0.684	1.9	3.3	0.014	-0.6	-2.4	0.048
EM090117	03013-25	3.8	0.9	0.414	0.5	0.5	0.612	7	1.5	0.178	3.6	6.4	0.000	-3.1	-7.2	0.000	0.3	1.2	0.252
EM090128	03021-03	8.9	3.3	0.012	0.9	1.8	0.115	2.6	0.6	0.557	1.8	3.3	0.015	-4.5	-7.5	0.000	-0.3	-1.1	0.289
MT010158	Amsterdam	2.1	0.9	0.365	1.6	6	0.000	4.7	3.9	0.000	-1.6	-6.8	0.000	-1	-3.7	0.001	0.2	1.3	0.189
MT010160	MT920041/Harrington	1.4	0.9	0.392	1.6	7.5	0.000	1.6	1.3	0.190	-0.6	-2.8	0.009	0.5	2	0.058	0.1	1.3	0.211
MT020155	MT960225/H1851195	8.2	4.3	0.000	0.9	3.3	0.003	-0.4	-0.3	0.778	-5	-12.8	0.000	-0.1	-0.4	0.701	0	0.3	0.804
MT020162	MT960225/H1851195	10.2	5	0.000	1.6	5.6	0.000	2.7	2.3	0.028	-0.5	-1.5	0.135	1.1	2.7	0.011	0.3	2.1	0.045
MT030042	MT910189/MT960099	5.3	2.3	0.027	2	5.9	0.000	-0.6	-0.5	0.620	-1.8	-6.7	0.000	-2.1	-6.5	0.000	-0.8	-5.1	0.000
MT061035	Baronesse/MT981210	14.7	5.8	0.000	0.6	1.6	0.144	1.9	1.1	0.296	0	0	0.984	-1.5	-2.4	0.037	-0.2	-0.9	0.404
MT061104	Harrington/MT970229	0.5	0.3	0.785	1	2.5	0.030	4.5	1.9	0.086	-2.1	-3.6	0.005	0	0	0.985	0.1	0.7	0.508
MT061134	Kendal/Conlon	-1.9	-0.6	0.591	0.1	0.4	0.731	5.3	2.1	0.060	-1	-2.1	0.069	0	0	0.986	0.3	1	0.356
MT061169	MT960101/Coors 37	6.9	3.1	0.009	1.2	3.1	0.009	1	0.5	0.622	0	-0.2	0.874	-2.2	-6.7	0.000	0.5	2.8	0.015
MT061201	MT970110/LK232	-7	-2.6	0.028	0.9	1.9	0.095	3.9	2.2	0.054	-2.3	-6.3	0.000	0.2	0.4	0.721	0.5	1.5	0.176
MT070086	MT970148/Coors37	6.7	2.2	0.053	0.5	1.2	0.268	2.9	1.2	0.260	0.3	0.9	0.413	-7.3	-10.1	0.000	-0.6	-2.8	0.016
MT070111	MT010178/Harrington	4.1	1.7	0.107	1.2	3.3	0.006	1.8	1	0.332	-0.6	-1.9	0.090	-0.3	-0.9	0.382	0	-0.3	0.734
MT070125	MT981210/MT970116	3.5	1.5	0.163	1.4	3.4	0.005	1.8	1.8	0.097	0.5	1.1	0.310	-0.5	-1	0.335	0	0	0.976
MT070136	MT010178/MT970148	-2.6	-0.9	0.389	0.8	2.4	0.041	4.5	2.1	0.061	1.3	3.1	0.018	-0.5	-0.9	0.369	0.5	2	0.079
MT070148	MT990172/Metcalfe	1.6	0.7	0.489	1	3.6	0.003	6.8	2.5	0.029	-2.1	-4.5	0.001	-1.4	-3.2	0.008	0.4	2.4	0.032
MT070158	MT970148/Klages	8.8	3.7	0.003	1	3	0.011	4.4	2.3	0.040	-2	-5.7	0.000	-2.5	-7	0.000	-0.1	-0.3	0.740
MT070159	MT970148/Klages	8.4	3.6	0.004	0.5	1.4	0.185	3.4	1.6	0.143	-2.2	-4.3	0.002	-3	-6.9	0.000	-0.2	-1.2	0.254
MT070161	MT970148/Klages	6.7	2.1	0.060	1	2.2	0.045	4.4	2.1	0.061	-2.2	-6.1	0.000	-3.2	-6.7	0.000	-0.1	-0.6	0.558
MT070174	LK644///Hockett F5	-4.3	-1.5	0.158	1.2	2.4	0.039	6.3	1.7	0.120	-2.5	-3.7	0.008	-1.5	-3.8	0.004	-0.9	-2.6	0.030
MT070175	LK644///Hockett F5	5.3	2	0.070	0.7	2.1	0.057	2.3	1.5	0.148	-1	-3.4	0.007	0.3	0.8	0.447	-1.3	-5.4	0.000
MT080081	Coors/Metcalfe	1.9	0.7	0.527	1	1.5	0.175	7.5	2	0.085	1.1	1.8	0.121	-3.5	-7	0.000	0	-0.1	0.941
MT080083	Coors/Metcalfe	5	2.1	0.070	0.9	1.3	0.249	6.5	2	0.082	0.9	2.4	0.055	-2.8	-5.9	0.001	0.1	0.6	0.569
MT080085	Coors/Metcalfe	-0.5	-0.1	0.906	1.4	2.1	0.069	5.8	1.4	0.212	0.8	2.1	0.085	-2	-3.1	0.018	-0.1	-0.2	0.823
MT080100	Karma	-50.4	-8.2	0.000	6.8	2.3	0.058	-1	-0.9	0.404	-0.5	-0.6	0.581	-0.8	-0.9	0.380	3.1	8.4	0.000
MT080243	MT960101/MT981210	0.4	0.1	0.908	0.6	1.4	0.211	1.7	0.9	0.398	-0.2	-0.5	0.661	0.2	0.2	0.823	-0.2	-0.9	0.413
MT080261	MT970026/MT981091	-5.1	-2.4	0.046	0.2	0.4	0.686	-5.7	-4.1	0.005	-2.7	-3.6	0.011	-2.6	-4.2	0.004	-0.1	-0.4	0.714
MT080279	MT970148/MT970116	6.2	1.8	0.121	0.8	1.5	0.183	3.3	1.9	0.094	-2.7	-4.5	0.004	-3.5	-8.2	0.000	-0.4	-2.3	0.053
MT080281	MT970148/MT970116	2.6	1.1	0.295	0.6	0.9	0.394	5.6	1.9	0.093	-2.3	-4.6	0.004	-4.4	-10.5	0.000	-0.7	-3.3	0.013
MT080285	MT970148/MT970116	5.3	1.5	0.184	1.2	3.1	0.018	5.9	2.2	0.065	-2	-3.3	0.016	-3.5	-6.8	0.000	-0.2	-0.8	0.449
MT910189	Hockett	2.1	1.4	0.176	1.8	8	0.000	4.7	3	0.005	-3	-11	0.000	-1	-3.8	0.000	-0.1	-0.7	0.478
MT950186	Haxby	8	4.3	0.000	2.9	11.7	0.000	4.4	3.6	0.000	-1.9	-7.1	0.000	-0.2	-0.6	0.525	-0.1	-0.5	0.591
MT960101	Geraldine	7.5	4.4	0.000	1.2	5.8	0.000	-3.6	-2.9	0.007	1.4	5.2	0.000	-1.7	-7.1	0.000	-0.2	-1.5	0.143
MT970116	Craft	6.4	4.6	0.000	2.6	11.1	0.000	5.3	4.1	0.000	-2.5	-9	0.000	2.1	7.5	0.000	-0.1	-0.7	0.465
PI568246	Baronesse	11.8	7.8	0.000	1.5	7.2	0.000	1.5	1.3	0.211	0.1	0.4	0.699	-1.7	-6.4	0.000	-0.2	-1.3	0.215
PI643354	Pinnacle	-13.5	-3.3	0.013	0.8	1.3	0.239	8.1	2.6	0.036	-3.9	-6	0.001	-0.7	-0.7	0.516	-1.7	-5.8	0.001
TR232	Metcalfe	-1.9	-1.3	0.213	0.4	2	0.060	0.9	0.9	0.393	-1.1	-3.7	0.001	0.4	1.8	0.087	0.3	2.9	0.007
YU501385	Champion	18.5	8.2	0.000	2.5	7.9	0.000	4.2	2.5	0.019	-1.9	-8.2	0.000	0.1	0.2	0.805	-0.5	-2.5	0.018
The Mean of the Reference Variety is:		106.1		N=42	49.9		N=42	82.9		N=42	180.5		N=39	32.4		N=42	12.7		N=41

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

2002-2001 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Yield

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT061035	Baronesse/MT981210	120.9	13	14.7	5.8	0.000
PI568246	Baronesse	117.9	42	11.8	7.8	0.000
YU501385	Champion	117.9	24	18.5	8.2	0.000
MT070158	MT970148/Klages	115	13	8.8	3.7	0.003
MT070159	MT970148/Klages	114.6	13	8.4	3.6	0.004
MT950186	Haxby	114.1	42	8	4.3	0.000
MT020162	MT960225/H1851195	113.9	32	10.2	5	0.000
MT061169	MT960101/Coors 37	113.1	13	6.9	3.1	0.009
MT070086	MT970148/Coors37	112.9	13	6.7	2.2	0.053
MT070161	MT970148/Klages	112.8	13	6.7	2.1	0.060
2B965057	Conrad	112.5	32	8.8	5	0.000
MT970116	Craft	112.5	42	6.4	4.6	0.000
MT020155	MT960225/H1851195	111.9	32	8.2	4.3	0.000
MT960101	Geraldine	111.6	37	7.5	4.4	0.000
MT070175	LK644///Hockett F5	111.5	13	5.3	2	0.070
MT070111	MT010178/Harrington	110.3	13	4.1	1.7	0.107
MT070125	MT981210/MT970116	109.7	13	3.5	1.5	0.163
6B952482	Tradition	108.3	42	2.2	1.2	0.232
MT910189	Hockett	108.3	42	2.1	1.4	0.176
MT010158	Amsterdam	108.1	37	2.1	0.9	0.365
MT070148	MT990172/Metcalfe	107.8	13	1.6	0.7	0.489
MT010160	MT920041/Harrington	107.4	37	1.4	0.9	0.392
MT061104	Harrington/MT970229	106.7	13	0.5	0.3	0.785
MT030042	MT910189/MT960099	105.9	27	5.3	2.3	0.027
EM090128	03021-03	103.9	8	8.9	3.3	0.012
MT061134	Kendal/Conlon	103.3	10	-1.9	-0.6	0.591
MT070136	MT010178/MT970148	102.6	10	-2.6	-0.9	0.389
TR232	Metcalfe	102.4	27	-1.9	-1.3	0.213
MT080279	MT970148/MT970116	101.2	8	6.2	1.8	0.121
MT070174	LK644///Hockett F5	100.9	10	-4.3	-1.5	0.158
MT080285	MT970148/MT970116	100.3	8	5.3	1.5	0.184
MT080083	Coors/Metcalfe	100	8	5	2.1	0.070
EM090117	03013-25	98.8	8	3.8	0.9	0.414
MT061201	MT970110/LK232	98.2	10	-7	-2.6	0.028
COPELAND	Copeland	98.1	8	3.1	1.2	0.258
MT080281	MT970148/MT970116	97.6	8	2.6	1.1	0.295
MT080081	Coors/Metcalfe	96.9	8	1.9	0.7	0.527
MT080243	MT960101/MT981210	95.4	8	0.4	0.1	0.908
MT080085	Coors/Metcalfe	94.5	8	-0.5	-0.1	0.906
MT080261	MT970026/MT981091	89.9	8	-5.1	-2.4	0.046
PI643354	Pinnacle	81.5	8	-13.5	-3.3	0.013
MT080100	Karma	44.6	8	-50.4	-8.2	0.000

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 106.1(N=42)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Test Wt

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	56.5	8	6.8	2.3	0.058
MT950186	Haxby	52.8	42	2.9	11.7	0.000
MT970116	Craft	52.5	42	2.6	11.1	0.000
YU501385	Champion	52.3	24	2.5	7.9	0.000
MT030042	MT910189/MT960099	51.8	27	2	5.9	0.000
MT070125	MT981210/MT970116	51.7	13	1.4	3.4	0.005
MT910189	Hockett	51.7	42	1.8	8	0.000
MT010158	Amsterdam	51.6	37	1.6	6	0.000
MT010160	MT920041/Harrington	51.6	37	1.6	7.5	0.000
MT020162	MT960225/H1851195	51.6	32	1.6	5.6	0.000
MT061169	MT960101/Coors 37	51.5	13	1.2	3.1	0.009
MT070111	MT010178/Harrington	51.5	13	1.2	3.3	0.006
MT070174	LK644///Hockett F5	51.5	10	1.2	2.4	0.039
PI568246	Baronesse	51.4	42	1.5	7.2	0.000
MT061104	Harrington/MT970229	51.3	13	1	2.5	0.030
MT070148	MT990172/Metcalfe	51.3	13	1	3.6	0.003
MT070158	MT970148/Klages	51.3	13	1	3	0.011
MT070161	MT970148/Klages	51.3	13	1	2.2	0.045
MT061201	MT970110/LK232	51.2	10	0.9	1.9	0.095
2B965057	Conrad	51.1	32	1	4.4	0.000
MT070136	MT010178/MT970148	51.1	10	0.8	2.4	0.041
MT080085	Coors/Metcalfe	51.1	8	1.4	2.1	0.069
MT020155	MT960225/H1851195	51	32	0.9	3.3	0.003
MT070175	LK644///Hockett F5	51	13	0.7	2.1	0.057
MT960101	Geraldine	50.9	37	1.2	5.8	0.000
MT061035	Baronesse/MT981210	50.8	13	0.6	1.6	0.144
MT070086	MT970148/Coors37	50.8	13	0.5	1.2	0.268
MT070159	MT970148/Klages	50.8	13	0.5	1.4	0.185
MT080285	MT970148/MT970116	50.8	8	1.2	3.1	0.018
TR232	Metcalfe	50.8	27	0.4	2	0.060
MT080081	Coors/Metcalfe	50.7	8	1	1.5	0.175
EM090128	03021-03	50.5	8	0.9	1.8	0.115
MT080083	Coors/Metcalfe	50.5	8	0.9	1.3	0.249
MT061134	Kendal/Conlon	50.4	10	0.1	0.4	0.731
MT080279	MT970148/MT970116	50.4	8	0.8	1.5	0.183
PI643354	Pinnacle	50.4	8	0.8	1.3	0.239
MT080243	MT960101/MT981210	50.3	8	0.6	1.4	0.211
MT080281	MT970148/MT970116	50.2	8	0.6	0.9	0.394
EM090117	03013-25	50.1	8	0.5	0.5	0.612
6B952482	Tradition	50	42	0.1	0.5	0.604
COPELAND	Copeland	49.8	8	0.1	0.3	0.741
MT080261	MT970026/MT981091	49.8	8	0.2	0.4	0.686

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 7633) IS 49.9 (N=42)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Plump %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT070148	MT990172/Metcalfe	93.5	13	6.8	2.5	0.029
MT070174	LK644///Hockett F5	91.7	10	6.3	1.7	0.120
MT061104	Harrington/MT970229	91.2	13	4.5	1.9	0.086
MT070158	MT970148/Klages	91.1	13	4.4	2.3	0.040
MT070161	MT970148/Klages	91.1	13	4.4	2.1	0.061
MT061134	Kendal/Conlon	90.8	10	5.3	2.1	0.060
PI643354	Pinnacle	90.3	8	8.1	2.6	0.036
MT070159	MT970148/Klages	90.1	13	3.4	1.6	0.143
MT070136	MT010178/MT970148	89.9	10	4.5	2.1	0.061
MT070086	MT970148/Coors37	89.7	13	2.9	1.2	0.260
MT080081	Coors/Metcalfe	89.7	8	7.5	2	0.085
MT061201	MT970110/LK232	89.4	10	3.9	2.2	0.054
EM090117	03013-25	89.2	8	7	1.5	0.178
MT070175	LK644///Hockett F5	89	13	2.3	1.5	0.148
MT080083	Coors/Metcalfe	88.7	8	6.5	2	0.082
MT061035	Baronesse/MT981210	88.6	13	1.9	1.1	0.296
MT070111	MT010178/Harrington	88.5	13	1.8	1	0.332
MT070125	MT981210/MT970116	88.5	13	1.8	1.8	0.097
6B952482	Tradition	88.3	42	5.3	3.4	0.001
MT970116	Craft	88.2	42	5.3	4.1	0.000
MT080285	MT970148/MT970116	88.1	8	5.9	2.2	0.065
MT080085	Coors/Metcalfe	88	8	5.8	1.4	0.212
MT080281	MT970148/MT970116	87.8	8	5.6	1.9	0.093
MT061169	MT960101/Coors 37	87.7	13	1	0.5	0.622
MT910189	Hockett	87.6	42	4.7	3	0.005
MT010158	Amsterdam	87.5	37	4.7	3.9	0.000
2B965057	Conrad	87.3	32	4.3	3.7	0.000
MT950186	Haxby	87.3	42	4.4	3.6	0.000
COPELAND	Copeland	86.9	8	4.7	2.4	0.045
MT020162	MT960225/H1851195	85.7	32	2.7	2.3	0.028
MT080279	MT970148/MT970116	85.4	8	3.3	1.9	0.094
TR232	Metcalfe	84.9	27	0.9	0.9	0.393
EM090128	03021-03	84.8	8	2.6	0.6	0.557
YU501385	Champion	84.8	24	4.2	2.5	0.019
MT010160	MT920041/Harrington	84.5	37	1.6	1.3	0.190
PI568246	Baronesse	84.5	42	1.5	1.3	0.211
MT080243	MT960101/MT981210	83.9	8	1.7	0.9	0.398
MT020155	MT960225/H1851195	82.7	32	-0.4	-0.3	0.778
MT080100	Karma	81.2	8	-1	-0.9	0.404
MT030042	MT910189/MT960099	81.1	27	-0.6	-0.5	0.620
MT960101	Geraldine	78.3	37	-3.6	-2.9	0.007
MT080261	MT970026/MT981091	76.5	8	-5.7	-4.1	0.005

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 82.9 (N=42)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Heading Date

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
EM090117	03013-25	190.8	7	3.6	6.4	0.000
EM090128	03021-03	189	7	1.8	3.3	0.015
MT080081	Coors/Metcalfe	188.4	7	1.1	1.8	0.121
MT070136	MT010178/MT970148	188.2	8	1.3	3.1	0.018
MT080083	Coors/Metcalfe	188.1	7	0.9	2.4	0.055
MT080085	Coors/Metcalfe	188	7	0.8	2.1	0.085
COPELAND	Copeland	187.5	7	0.2	0.4	0.684
MT080243	MT960101/MT981210	187.1	7	-0.2	-0.5	0.661
MT080100	Karma	186.8	7	-0.5	-0.6	0.581
MT070125	MT981210/MT970116	185.9	11	0.5	1.1	0.310
MT061134	Kendal/Conlon	185.8	8	-1	-2.1	0.069
MT070086	MT970148/Coors37	185.8	11	0.3	0.9	0.413
MT061035	Baronesse/MT981210	185.5	11	0	0	0.984
MT061169	MT960101/Coors 37	185.5	11	0	-0.2	0.874
MT080285	MT970148/MT970116	185.2	7	-2	-3.3	0.016
MT070111	MT010178/Harrington	184.9	11	-0.6	-1.9	0.090
MT080281	MT970148/MT970116	184.9	7	-2.3	-4.6	0.004
MT061201	MT970110/LK232	184.5	8	-2.3	-6.3	0.000
MT070175	LK644///Hockett F5	184.5	11	-1	-3.4	0.007
MT080261	MT970026/MT981091	184.5	7	-2.7	-3.6	0.011
MT080279	MT970148/MT970116	184.5	7	-2.7	-4.5	0.004
MT070174	LK644///Hockett F5	184.3	8	-2.5	-3.7	0.008
MT070158	MT970148/Klages	183.5	11	-2	-5.7	0.000
MT061104	Harrington/MT970229	183.4	11	-2.1	-3.6	0.005
MT070148	MT990172/Metcalfe	183.4	11	-2.1	-4.5	0.001
MT070159	MT970148/Klages	183.3	11	-2.2	-4.3	0.002
PI643354	Pinnacle	183.3	7	-3.9	-6	0.001
MT070161	MT970148/Klages	183.2	11	-2.2	-6.1	0.000
MT960101	Geraldine	182.3	34	1.4	5.2	0.000
PI568246	Baronesse	180.6	39	0.1	0.4	0.699
MT020162	MT960225/H1851195	180.2	29	-0.5	-1.5	0.135
2B965057	Conrad	180	29	-0.6	-2	0.053
TR232	Metcalfe	179.8	24	-1.1	-3.7	0.001
MT010160	MT920041/Harrington	179.6	34	-0.6	-2.8	0.009
MT030042	MT910189/MT960099	179.4	24	-1.8	-6.7	0.000
YU501385	Champion	179.3	21	-1.9	-8.2	0.000
MT010158	Amsterdam	178.6	34	-1.6	-6.8	0.000
MT950186	Haxby	178.6	39	-1.9	-7.1	0.000
MT970116	Craft	178.1	39	-2.5	-9	0.000
MT910189	Hockett	177.5	39	-3	-11	0.000
6B952482	Tradition	177.1	39	-3.5	-12.4	0.000
MT020155	MT960225/H1851195	175.7	29	-5	-12.8	0.000

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 180.5 (N=39)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

Plant Ht

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
6B952482	Tradition	34.6	42	2.3	5.8	0.000
MT970116	Craft	34.5	42	2.1	7.5	0.000
MT020162	MT960225/H1851195	33.3	32	1.1	2.7	0.011
COPELAND	Copeland	33	8	1.9	3.3	0.014
MT010160	MT920041/Harrington	32.9	37	0.5	2	0.058
MT020155	MT960225/H1851195	32.1	32	-0.1	-0.4	0.701
MT950186	Haxby	32.1	42	-0.2	-0.6	0.525
TR232	Metcalfe	32.1	27	0.4	1.8	0.087
MT010158	Amsterdam	31.4	37	-1	-3.7	0.001
YU501385	Champion	31.4	24	0.1	0.2	0.805
MT910189	Hockett	31.3	42	-1	-3.8	0.000
MT080243	MT960101/MT981210	31.2	8	0.2	0.2	0.823
MT070175	LK644///Hockett F5	31	13	0.3	0.8	0.447
2B965057	Conrad	30.7	32	-1.6	-5.6	0.000
MT061104	Harrington/MT970229	30.7	13	0	0	0.985
PI568246	Baronesse	30.7	42	-1.7	-6.4	0.000
MT070111	MT010178/Harrington	30.4	13	-0.3	-0.9	0.382
PI643354	Pinnacle	30.4	8	-0.7	-0.7	0.516
MT061201	MT970110/LK232	30.3	10	0.2	0.4	0.721
MT070125	MT981210/MT970116	30.3	13	-0.5	-1	0.335
MT080100	Karma	30.3	8	-0.8	-0.9	0.380
MT960101	Geraldine	30.1	37	-1.7	-7.1	0.000
MT061134	Kendal/Conlon	30	10	0	0	0.986
MT070136	MT010178/MT970148	29.6	10	-0.5	-0.9	0.369
MT030042	MT910189/MT960099	29.5	27	-2.1	-6.5	0.000
MT070148	MT990172/Metcalfe	29.4	13	-1.4	-3.2	0.008
MT061035	Baronesse/MT981210	29.2	13	-1.5	-2.4	0.037
MT080085	Coors/Metcalfe	29.1	8	-2	-3.1	0.018
MT061169	MT960101/Coors 37	28.5	13	-2.2	-6.7	0.000
MT070174	LK644///Hockett F5	28.5	10	-1.5	-3.8	0.004
MT080261	MT970026/MT981091	28.5	8	-2.6	-4.2	0.004
MT080083	Coors/Metcalfe	28.3	8	-2.8	-5.9	0.001
MT070158	MT970148/Klages	28.2	13	-2.5	-7	0.000
EM090117	03013-25	27.9	8	-3.1	-7.2	0.000
MT070159	MT970148/Klages	27.8	13	-3	-6.9	0.000
MT080081	Coors/Metcalfe	27.6	8	-3.5	-7	0.000
MT080285	MT970148/MT970116	27.6	8	-3.5	-6.8	0.000
MT070161	MT970148/Klages	27.5	13	-3.2	-6.7	0.000
MT080279	MT970148/MT970116	27.5	8	-3.5	-8.2	0.000
MT080281	MT970148/MT970116	26.7	8	-4.4	-10.5	0.000
EM090128	03021-03	26.6	8	-4.5	-7.5	0.000
MT070086	MT970148/Coors37	23.4	13	-7.3	-10.1	0.000

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 32.4 (N=42)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, Conrad

2002-2011 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Protein %

ID	PEDIGREE	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT080100	Karma	15.8	8	3.1	8.4	0.000
2B965057	Conrad	13.2	32	0.7	5.1	0.000
EM090117	03013-25	13	8	0.3	1.2	0.252
MT080083	Coors/Metcalfe	12.8	8	0.1	0.6	0.569
6B952482	Tradition	12.7	41	0	0.1	0.897
MT010158	Amsterdam	12.7	37	0.2	1.3	0.189
MT010160	MT920041/Harrington	12.7	37	0.1	1.3	0.211
MT020162	MT960225/H1851195	12.7	32	0.3	2.1	0.045
MT061201	MT970110/LK232	12.7	10	0.5	1.5	0.176
MT070136	MT010178/MT970148	12.7	10	0.5	2	0.079
MT061169	MT960101/Coors 37	12.6	13	0.5	2.8	0.015
MT080081	Coors/Metcalfe	12.6	8	0	-0.1	0.941
MT080085	Coors/Metcalfe	12.6	8	-0.1	-0.2	0.823
MT080261	MT970026/MT981091	12.6	8	-0.1	-0.4	0.714
MT910189	Hockett	12.6	41	-0.1	-0.7	0.478
MT950186	Haxby	12.6	41	-0.1	-0.5	0.591
MT970116	Craft	12.6	41	-0.1	-0.7	0.465
TR232	Metcalfe	12.6	27	0.3	2.9	0.007
MT020155	MT960225/H1851195	12.5	32	0	0.3	0.804
MT061134	Kendal/Conlon	12.5	10	0.3	1	0.356
MT070148	MT990172/Metcalfe	12.5	13	0.4	2.4	0.032
MT080243	MT960101/MT981210	12.5	8	-0.2	-0.9	0.413
MT080285	MT970148/MT970116	12.5	8	-0.2	-0.8	0.449
MT960101	Geraldine	12.5	36	-0.2	-1.5	0.143
PI568246	Baronesse	12.5	41	-0.2	-1.3	0.215
EM090128	03021-03	12.4	8	-0.3	-1.1	0.289
MT061104	Harrington/MT970229	12.3	13	0.1	0.7	0.508
MT080279	MT970148/MT970116	12.2	8	-0.4	-2.3	0.053
COPELAND	Copeland	12.1	8	-0.6	-2.4	0.048
MT070111	MT010178/Harrington	12.1	13	0	-0.3	0.734
MT070125	MT981210/MT970116	12.1	13	0	0	0.976
MT070158	MT970148/Klages	12.1	13	-0.1	-0.3	0.740
YU501385	Champion	12.1	24	-0.5	-2.5	0.018
MT061035	Baronesse/MT981210	12	13	-0.2	-0.9	0.404
MT070161	MT970148/Klages	12	13	-0.1	-0.6	0.558
MT080281	MT970148/MT970116	12	8	-0.7	-3.3	0.013
MT070159	MT970148/Klages	11.9	13	-0.2	-1.2	0.254
MT030042	MT910189/MT960099	11.7	27	-0.8	-5.1	0.000
MT070086	MT970148/Coors37	11.5	13	-0.6	-2.8	0.016
MT070174	LK644///Hockett F5	11.3	10	-0.9	-2.6	0.030
MT070175	LK644///Hockett F5	10.9	13	-1.3	-5.4	0.000
PI643354	Pinnacle	10.9	8	-1.7	-5.8	0.001

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON (SK 76333) IS 12.7 (N=41)

(1) Irrigated Locations: Bozeman, Sidney, Kalispell (high moisture), Huntley, and Conrad

2011 Spring Barley Dryland Offstation **Sidney**

EX368111

ID	Pedigree	Yield (Bu/Ac)	Test Wt (lbs/Bu)	Plant Ht (in)	Heading Date
2B965057	2B965057	36.50	46.00	55.00	191.33
6B952482	6B952482	25.20	47.00	56.33	185.67
MT010158	MT920041/Harrington	26.54	44.00	57.67	188.33
MT010160	MT920041/Harrington	21.47	46.00	56.00	190.00
MT020155	MT960225/H1851195	36.14	45.50	52.67	183.67
MT020162	MT960225/H1851195	29.84	45.50	52.33	190.67
MT061035	Baronesse/MT981210	32.00	47.50	52.33	189.00
MT070175	LK644///Hockett F5	31.23	47.00	53.33	189.33
MT910189	MT910189	33.54	46.00	52.33	188.67
MT960101	MT960101	31.51	47.00	49.00	190.67
PI491534	PI491534	34.03	47.00	54.67	185.33
Goldeneye	PI639193	42.01	46.50	53.67	185.00
PI643354	PI643354	38.40	46.50	55.00	184.33
SK 76333	SK 76333	30.25	47.00	54.33	188.67
TR232	TR232	36.52	46.00	60.33	187.67
MT950186	MT950186	40.31	47.00	54.67	186.33
Mean		32.84	46.34	54.35	187.79

	Yield (bu/ac)	Test Wt (lbs/bu)	Plant Ht (in)	Heading Date
Total Observations	48	48	48	48
No. of Replications	3	1	3	3
No. of Varieties	16	16	16	16
Rep. Mean Square	23.88	***	17.27	1.65
Var. Mean Square	91.69	***	19.32	17.82
Error Mean Square	21.29	***	15.85	3.71
Error Degrees of Freedom	30	***	30	30
F Test for Replications	1.12	***	1.09	0.44
F Test for Varieties	4.31	***	1.26	4.80
Coefficient of Variation	14.05	***	7.32	1.03
Lsd (.05)	7.69	***	6.64	3.21

EX375311

Cultivar	Yield (bu/A)	Test wt. (lb/bu)	Plump (%)	Moisture %	Height (inches)
Goldeneye	97.0	49.0	72.0	11.9	33.6
MT020162	90.3	50.5	83.1	12.2	30.7
Hockett	90.1	51.4	77.5	12.1	31.6
Tradition	87.8	51.4	78.5	11.1	35.4
Conrad	86.3	50.3	85.9	13.1	28.7
Pinnacle	86.0	51.1	92.2	14.5	28.7
MT020155	82.9	50.1	84.4	12.3	32.0
MT061035	81.2	49.6	69.3	11.7	29.0
Gallatin	80.7	51.6	78.1	12.6	31.4
Haxby	80.6	52.8	84.9	12.6	29.3
MT070175	79.4	51.6	84.0	13.1	32.5
MT010160	78.1	51.9	81.8	12.2	29.4
Harrington	76.8	49.5	81.9	11.8	31.8
MT010158	74.0	51.7	87.6	12.9	29.9
Geraldine	73.2	51.8	65.9	12.1	28.6
Metcalfe	67.8	50.1	77.6	12.0	31.6
MIN	67.8	49.0	65.9	11.1	28.6
MAX	97.0	52.8	92.2	14.5	35.4
MEAN	82.0	50.9	80.3	12.4	30.9
LSD (0.05)	14.7	1.6	8.5	0.8	2.8
CV	10.74	1.83	6.32	3.93	5.38
TRT (pr>f)	0.0386	0.0009	0.0001	0.0001	0.0004

Planted: April 23, 2011 Harvested: August 16, 2011

Table 2011 No-Till continuous crop barley variety trial near Moccasin.

ID	Variety/Pedigree	Entry	Head Date	Plant Height	Grain Yield	Grain Yield	Test Weight	Grain Protein
		#	d of Y	cm	lbs/a	bu/a	lbs/bu	%
2B965057	Conrad	1	197	56	1734	36.1	50.7	15.5
PI491534	Gallatin	11	189	53	1478	30.8	52.8	15.6
6B952482	Tradition	2	187	60	1495	31.1	50.9	14.6
MT020155	MT960225/H1851195	5	187	67	1610	33.5	50.7	14.4
MT010158	MT920041/Harrington	3	194	60	1390	29.0	52.5	16.0
TR232	Metcalfe	15	191	58	1376	28.7	51.8	16.1
MT960101	Geraldine	10	199	58	1368	28.5	52.0	17.0
MT910189	Hockett	9	191	50	1552	32.4	52.6	15.1
MT061035	Baronesse/MT981210	7	199	62	1314	27.4	50.8	16.6
MT010160	MT920041/Harrington	4	191	48	1479	30.8	51.4	15.6
SK 76333	Harrington	14	191	60	1364	28.4	50.6	16.2
PI643354	Pinnacle	13	188	61	1575	32.8	50.5	13.9
MT020162	MT960225/H1851195	6	195	57	1606	33.4	51.5	15.9
PI639193	Goldeneye	12	189	63	1557	32.5	49.4	14.8
MT070175	LK644///Hockett F5	8	189	60	1750	36.5	52.5	13.9
MT950186	Haxby	16	189	58	1743	36.3	54.1	14.2
Mean			191.6	58.19	1524	31.76	51.53	15.3
P-Value			0.00		0.04	0.04	0.00	
CV 1			0.5483		11.06	11.07	0.8873	
LSD (0.05)			**1.75**		**281.3**	**5.86**	**0.97**	

Seed Date: 15 April 2011 No-Till into continuous crop winter wheat stubble.

Soils: 2 inch temp.: 7.5 C Moisture Probe: 17 - 20 inches

Fertilizer: NPKS 10+10+10+05 lbs/a w/ seed. 60 lbs N per acre as urea.

EX367111 Denton

Table 2011 No-Till continuous crop barley variety trial near Denton.

ID	Variety	Entry	Plant Height	Grain Yield	Grain Yield	Test Weight	Grain Protein
		#	cm	bu/a	lbs/a	lbs/bu	%
2B965057	Conrad	1	44	20.7	995	53.0	14.4
PI491534	Gallatin	11	42	20.8	997	52.5	14.8
6B952482	Tradition	2	41	21.2	1017	51.0	13.3
MT020155	MT960225/H1851195	5	37	26.6	1279	50.5	12.5
MT010158	MT920041/Harrington	3	46	20.3	973	54.0	13.6
TR232	Metcalfe	15	43	18.6	893	53.0	15.1
MT960101	Geraldine	10	38	22.8	1093	53.0	14.8
MT910189	Hockett	9	46	22.6	1086	54.0	14.1
MT061035	Baronesse/MT981210	7	39	22.9	1101	50.5	15.8
MT010160	MT920041/Harrington	4	46	22.5	1081	54.0	15.4
SK 76333	Harrington	14	42	19.7	945	53.5	17.0
PI643354	Pinnacle	13	48	20.3	975	52.0	12.9
MT020162	MT960225/H1851195	6	41	19.3	927	53.5	15.1
PI639193	Goldeneye	12	44	20.8	999	50.0	13.5
MT070175	LK644///Hockett F5	8	47	20.8	997	52.5	13.8
MT950186	Haxby	16	45	21.1	1013	51.5	14.6
Mean			43.06	21.32	1023	52.41	14.4
P-value				0.68	0.67	0.00	
CV1				17.2	17.21	1.369	
LSD (0.05)				ns	ns	**1.529**	

Seed Date: 16 May 2011 no-till into continuous crop lentil stubble.

Soil: 2 inch temp: 13 C / 56 F

Fertilizer: NPKS 10+10+10+05 lbs w/seed.

Comment: Mid -June through early August was a very dry season with above average temperatures resulting in low barley yields.

EX369011

2011 Entry #	Cultivar	Grain Yield 2011	Grain Yield 2010-11	Grain Yield 2009-11	Test Weight	Grain Moisture	Grain Protein	Plump Kernels	Thin Kernels	Plant Height	Lodging	Heading Date
		- bushels/acre -			- lb/bu -	- % -	- % -	- % -	- % -	- inches -	0-9	
1	Conrad	62.9	82.3	79.4	44.0	9.6	16.2	43.6	27.1	35.3	1.7	178.3
2	Tradition	67.4			45.1	9.3	15.0	30.1	35.1	38.4	1.3	175.7
3	MT010158	61.7	76.5	73.5	46.5	9.7	15.3	60.9	15.9	35.4	1.7	177.0
4	MT010160	62.2	79.5		46.0	9.5	14.4	51.9	22.3	34.4	1.7	178.7
5	MT020155	73.9	89.0	82.5	47.4	9.3	14.8	48.1	22.3	37.9	2.0	174.0
6	MT020162	63.3			45.4	9.8	15.2	35.9	32.4	33.7	0.7	180.0
7	MT061035	74.9			44.9	9.2	15.1	35.8	30.6	34.4	0.0	178.7
8	MT070175	66.7			46.3	9.7	14.5	48.6	25.9	37.0	1.7	176.0
9	Hockett	66.6	84.5	81.2	47.4	9.7	15.0	52.5	22.3	36.2	3.7	175.0
10	Haxby	67.7	78.3		49.3	9.7	14.6	33.1	26.2	35.0	1.3	176.0
11	Geraldine	65.4	87.8	84.4	43.1	9.3	15.9	13.5	57.5	34.3	1.0	180.3
12	Gallatin	68.4	85.1	78.6	47.1	9.5	15.0	39.2	26.5	37.3	1.0	175.3
13	Goldeneye	72.0	89.5	83.3	44.6	9.3	14.9	31.8	37.0	37.7	1.0	174.7
14	Pinnacle	61.1	80.1	71.7	46.0	9.7	14.5	61.0	18.2	36.2	1.7	174.7
15	Harrington	61.3	79.5	75.2	42.9	9.1	15.1	40.8	30.9	36.7	3.0	179.0
16	AC Metcalfe	63.8	80.6	76.5	44.6	9.4	16.1	36.8	29.4	37.2	2.0	176.0
17	Moravian 69	66.8	85.1		39.1	9.1	16.9	12.4	63.2	29.0	0.7	182.0
18	Baronesse	65.8	87.5	84.3	48.5	9.9	15.2	42.7	26.4	38.8	2.0	175.0
19	Moravian 115	52.4	74.9		36.8	9.0	16.8	30.6	36.4	25.7	1.0	182.0
20	Craft	74.2	83.5	76.8	43.7	9.7	16.3	23.2	43.3	33.1	1.7	178.0
	Average	65.9	82.7	79.0	44.9	9.5	15.3	38.6	31.5	35.2	1.5	177.3
	PLSD (p=0.05)	8.3	ns	8.0	1.9	0.5	1.1	12.6	9.1	2.8	ns	1.2
	CV%	7.6	10.8	10.3	2.5	0.3	4.4	19.8	17.6	4.8	79.7	0.4

ns Indicates no significant difference in yield between cultivars within a column based on Fisher's protected LSD.

Grain yield based on a 48 pound standard bushel weight and adjusted to 13 percent grain moisture content.

Grain protein adjusted to 100 percent dry matter content.

Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.

EX369111 Molt

2011 Entry #	Cultivar	Grain Yield 2011	Grain Yield 2010-11	Grain Yield 2009-11	Test Weight	Grain Moisture	Grain Protein	Plump Kernels	Thin Kernels	Plant Height
		- bushels/acre -			- lb/bu -	- % -	- % -	- % -	- % -	- inches -
1	Conrad	15.9	38.0	37.4	49.3	9.2	11.3	81.4	5.7	14.6
2	Tradition	6.9			48.3	8.1	14.7	64.7	12.6	12.7
3	MT010158	14.5	37.0	34.1	51.7	9.2	12.7	67.6	12.4	16.1
4	MT010160	14.4	34.5		51.1	9.4	11.8	69.6	9.1	14.2
5	MT020155	17.0	38.1	34.9	48.8	8.8	11.1	74.2	8.8	15.2
6	MT020162	13.0			51.1	9.5	10.6	67.6	10.3	15.7
7	MT061035	17.3			50.5	9.3	10.9	79.0	6.5	13.0
8	MT070175	12.6			50.8	9.0	10.3	84.8	5.6	16.4
9	Hockett	12.2	28.0	28.9	51.0	9.2	11.9	82.4	6.0	15.6
10	Haxby	12.0	36.4		52.5	9.2	11.9	76.5	7.9	14.8
11	Geraldine	10.2	34.7	31.6	51.4	9.3	12.1	64.4	12.7	11.5
12	Gallatin	12.1	34.7	32.1	50.8	9.0	11.6	74.1	9.2	14.3
13	Goldeneye	13.5	33.0	33.8	49.2	8.4	13.7	65.1	13.3	13.8
14	Pinnacle	11.0	32.4	34.8	50.6	9.2	10.1	86.7	4.7	15.0
15	Harrington	14.6	28.3	25.5	49.8	9.3	11.0	76.7	7.5	15.6
16	AC Metcalfe	15.9	32.1	29.9	51.5	9.5	12.0	78.2	6.6	15.6
17	Moravian 69	15.9	35.6		49.4	8.8	10.3	64.1	12.2	12.9
18	Baronesse	10.9	35.4	35.1	51.1	9.1	11.2	82.6	5.7	15.1
19	Moravian 115	11.9	31.5		49.6	9.0	11.5	91.8	2.9	13.0
20	Craft	12.2	31.7	28.9	51.2	9.4	10.9	78.8	6.1	12.3
	Average	13.2	33.8	32.2	50.5	9.1	11.6	75.5	8.3	14.4
	PLSD (p=0.05)	ns	ns	ns	1.6	0.4	0.9	8.8	4.5	2.4
	CV%	25.9	23.0	25.9	1.9	2.5	4.5	7.1	32.9	10.1

ns Indicates no significant difference in yield between cultivars within a column based on Fisher's protected LSD.
Grain yield based on a 48 pound standard bushel weight and adjusted to 13 percent grain moisture content.
Grain protein adjusted to 100 percent dry matter content.
Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.

EX369211 Broadview

2011 Entry #	Cultivar	Grain Yield 2011	Grain Yield 2010-11	Grain Yield 2009-11	Test Weight	Grain Moisture	Grain Protein	Plump Kernels	Thin Kernels	Plant Height
		- bushels/acre -			- lb/bu -	- % -	- % -	- % -	- % -	- inches -
1	Conrad	30.3	46.3	39.5	48.7	9.7	15.5	79.9	6.9	22.3
2	Tradition	39.6			50.1	9.1	13.7	81.2	3.8	25.2
3	MT010158	27.3	42.0	38.4	50.1	9.6	14.8	77.6	6.8	21.4
4	MT010160	27.3	40.6		50.0	9.8	14.8	82.0	5.7	25.2
5	MT020155	35.3	36.7	35.1	48.2	8.8	14.4	75.4	8.5	23.5
6	MT020162	26.4			50.4	9.8	13.6	73.8	8.7	23.4
7	MT061035	41.7			48.9	9.6	13.5	82.2	5.2	20.7
8	MT070175	31.7			50.3	9.8	13.4	87.2	4.4	24.7
9	Hockett	24.5	32.2	28.7	50.7	9.8	13.6	89.5	3.4	25.1
10	Haxby	25.7	33.2		51.4	9.7	13.9	73.2	9.5	21.7
11	Geraldine	29.6	41.5	36.7	49.5	9.6	14.2	68.2	11.5	21.8
12	Gallatin	34.3	41.1	36.0	47.8	9.3	13.9	78.3	8.1	24.8
13	Goldeneye	37.2	43.7	36.9	47.6	9.2	13.8	71.6	10.6	24.1
14	Pinnacle	30.0	37.8	31.1	50.0	9.2	13.0	85.2	5.9	23.2
15	Harrington	25.7	35.3	31.6	48.9	9.5	14.7	82.4	5.7	26.1
16	AC Metcalfe	33.9	39.4	35.5	50.9	9.9	14.8	84.9	5.2	26.8
17	Moravian 69	32.2	45.1		47.4	6.2	15.8	70.3	10.7	21.4
18	Baronesse	31.8	45.3	41.6	50.5	9.7	13.6	88.8	3.5	24.5
19	Moravian 115	28.5	42.4		48.4	9.7	13.9	90.9	3.3	19.3
20	Craft	28.7	35.9	32.6	49.9	9.7	12.3	80.5	5.6	21.3
	Average	31.1	39.9	35.3	49.5	9.4	14.0	80.2	6.7	23.3
	PLSD (p=0.05)	ns	ns	ns	1.9	2.1	1.3	11.1	4.4	2.8
	CV%	22.9	24.9	24.9	2.4	13.8	5.4	8.4	39.7	7.2

ns Indicates no significant difference in yield between cultivars within a column based on Fisher's protected LSD.
Grain yield based on a 48 pound standard bushel weight and adjusted to 13 percent grain moisture content.
Grain protein adjusted to 100 percent dry matter content.
Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.

EX379511 Hysham

2011 Entry #	Cultivar	Grain Yield 2011	Grain Yield 2010-11	Grain Yield 2009-11	Test Weight	Grain Moisture	Grain Protein	Plump Kernels	Thin Kernels	Plant Height	Lodging
		- bushels/acre -			- lb/bu -	- % -	- % -	- % -	- % -	- inches -	0-9
1	Conrad	104.2	91.5	98.2	49.3	10.4	12.8	79.8	6.7	35.6	5.3
2	Tradition	113.4			49.2	10.2	13.2	74.2	5.7	37.3	4.7
3	MT010158	98.5	87.0	95.9	48.0	10.2	13.6	92.9	3.1	35.2	3.3
4	MT010160	97.5	82.9		48.9	10.4	13.5	91.6	4.3	35.2	2.7
5	MT020155	109.7	87.1	96.1	46.0	10.0	13.7	81.0	9.2	38.7	6.0
6	MT020162	86.9			50.3	10.6	12.5	94.7	2.3	35.6	4.0
7	MT061035	106.9			47.4	10.5	12.7	83.1	7.9	33.2	2.3
8	MT070175	100.1			47.0	10.3	13.0	87.0	5.7	37.4	1.0
9	Hockett	115.7	97.1	99.1	49.9	8.9	14.1	77.7	12.3	37.0	6.0
10	Haxby	109.2	93.1		50.7	10.6	12.5	95.8	1.7	33.5	3.3
11	Geraldine	99.5	89.0	100.5	46.6	10.1	13.8	64.5	21.6	33.5	6.0
12	Gallatin	111.0	89.6	94.4	48.7	10.5	13.4	86.4	7.1	38.3	5.7
13	Goldeneye	108.7	93.5	84.0	48.7	10.3	13.2	89.5	5.0	36.1	1.3
14	Pinnacle	99.2	83.8	88.1	48.1	10.2	14.0	84.2	7.5	36.6	2.3
15	Harrington	101.5	95.3	97.8	46.9	10.0	13.7	82.7	9.7	38.1	4.3
16	AC Metcalfe	103.0	85.6	91.6	47.7	10.2	13.3	86.6	5.3	36.9	2.7
17	Moravian 69	106.2	102.5		49.9	10.7	12.2	94.1	2.2	29.4	1.0
18	Baronesse	110.0	98.0	104.2	49.2	10.4	13.7	86.2	7.2	39.4	4.3
19	Moravian 115	105.8	105.8		45.6	10.1	13.5	82.7	8.5	27.7	1.0
20	Craft	101.3	91.9	94.1	47.0	10.3	14.0	79.0	11.6	35.2	3.7
	Average	104.4	92.1	95.3	48.3	10.3	13.3	84.7	7.2	35.5	3.5
	PLSD (p=0.05)	ns	ns	ns	ns	0.7	ns	15.5	9.0	3.2	ns
	CV%	11.8	16.3	19.0	5.0	4.4	16.1	11.1	75.1	5.4	73.8

ns Indicates no significant difference in yield between cultivars within a column based on Fisher's protected LSD.

Grain yield based on a 48 pound standard bushel weight and adjusted to 13 percent grain moisture content.

Grain protein adjusted to 100 percent dry matter content.

Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.

EX379411 Fromberg

2011 Entry #	Cultivar	Grain Yield 2011	Grain Yield 2010-11	Grain Yield 2009-11	Test Weight	Grain Moisture	Grain Protein	Plump Kernels	Thin Kernels	Plant Height	Lodging
		- bushels/acre -			- lb/bu -	- % -	- % -	- % -	- % -	- inches -	0-9
1	Conrad	115.3	111.1	112.6	48.5	11.6	13.4	80.3	11.2	37.3	5.3
2	Tradition	105.9			47.7	10.6	13.4	83.0	8.3	43.6	6.7
3	MT010158	**129.0***	120.4	119.9	50.2	11.4	12.6	87.7	6.3	38.3	2.3
4	MT010160	119.0	111.6		50.7	11.4	12.4	88.8	4.7	41.6	6.0
5	MT020155	108.6	103.9	106.3	49.1	11.7	12.9	83.8	9.1	42.9	6.7
6	MT020162	**125.1***			49.9	11.2	12.5	86.4	6.6	41.1	3.3
7	MT061035	122.7			49.4	11.4	11.5	86.5	6.2	39.2	5.7
8	MT070175	**137.6***			51.9	11.6	11.1	94.4	2.9	41.5	0.3
9	**Hockett^**	*96.5*			*51.5*	*11.3*	*12.9*	*88.4*	*6.5*	*100.0*	*6.0*
10	Haxby	123.2	106.4		51.4	11.6	12.1	84.9	8.5	38.6	3.3
11	**Geraldine**	*131.8*			*50.0*	*10.6*	*12.6*	*77.2*	*12.6*	*106.0*	*5.0*
12	Gallatin	114.7	105.0	106.9	50.5	11.2	13.2	81.7	9.0	42.0	7.3
13	Goldeneye	101.4	97.4	108.1	47.8	11.4	12.7	82.6	8.7	42.3	6.0
14	Pinnacle	114.2	106.6	108.0	50.2	11.7	11.2	97.2	1.1	41.6	3.3
15	**Harrington**	*93.5*			*44.9*	*10.9*	*13.9*	*67.2*	*18.7*	*108.0*	*9.0*
16	AC Metcalfe	100.0	109.1	109.6	49.1	11.5	13.0	91.2	5.2	45.4	4.3
17	Moravian 69	**136.1***	128.5		46.4	11.8	11.7	74.7	12.5	32.9	1.7
18	**Baronesse**	*140.4*			*51.7*	*11.1*	*13.1*	*91.4*	*4.4*	*105.0*	*4.0*
19	Moravian 115	121.9	128.1		44.5	11.0	11.7	83.0	8.7	33.2	1.0
20	Craft	**142.4****	120.1	113.9	49.5	10.7	10.9	85.6	7.5	37.8	4.3
	Average	119.8	112.4	110.6	49.2	11.4	12.3	85.7	7.3	40.0	4.2
	PLSD (p=0.05)	18.6	ns	ns	1.3	0.7	1.2	5.9	3.4	2.8	4.0
	CV%	9.3	18.5	18.5	1.5	3.7	5.6	4.1	28.3	4.2	57.4

^ Entires with **bold** font name were excluded from statistical analysis as only one replication data was available due to harvesting error.

ns Indicates no significant difference in yield between cultivars within a column based on Fisher's protected LSD.

Grain yield based on a 48 pound standard bushel weight and adjusted to 13 percent grain moisture content.

Grain protein adjusted to 100 percent dry matter content.

Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.

2011 Spring Barley OffStation-Cutbank **Conrad**

EX366111

ID	PEDIGREE	Yield (Bu/Ac)	Test Wt (lbs/Bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
2B965057	Conrad	82.36	49.67	95.50	14.30	8.90	26.00
6B952482	Tradition	65.66	50.14	94.33	12.60	8.80	29.67
MT010158	MT920041/Harrington	69.74	50.90	91.63	14.10	8.80	26.67
MT010160	MT920041/Harrington	78.49	49.90	88.67	14.00	8.80	26.00
MT020155	MT960225/H1851195	77.81	49.91	89.87	13.80	9.00	24.33
MT020162	MT960225/H1851195	71.49	49.88	82.37	14.00	8.70	26.67
MT061035	Baronesse/MT981210	87.50	50.35	93.10	12.00	8.90	23.00
MT070175	LK644///Hockett F5	80.77	51.31	93.40	12.20	8.90	28.33
MT910189	Hockett	81.94	52.37	92.63	13.40	8.80	26.33
MT960101	Geraldine	80.52	51.83	91.37	12.30	8.90	24.00
PI491534	Gallatin	76.52	51.16	92.03	13.10	8.80	25.33
Goldeneye	Goldeneye	86.22	49.39	93.77	11.80	9.00	27.00
PI643354	Pinnacle	77.16	51.06	96.40	11.50	9.00	28.33
SK 76333	Harrington	76.90	50.32	92.13	13.30	8.50	26.00
TR232	Metcalfe	79.68	51.45	91.60	13.90	8.70	27.33
MT950186	Haxby	87.49	52.85	91.17	12.90	8.60	26.00
Mean		78.77	50.78	91.87	13.08	8.82	26.31

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
Total Observations	48	48	48	48	48	48
No. of Replications	3	3	3	1	1	3
No. of Varieties	16	16	16	16	16	16
Rep. Mean Square	509.82	2.76	5.07	***	***	47.75
Var. Mean Square	111.43	3.04	30.67	***	***	8.55
Error Mean Square	33.06	0.78	2.96	***	***	2.08
Error Degrees of Freedom	30	30	30	***	***	30
F Test for Replications	15.42	3.56	1.71	***	***	21.96
F Test for Varieties	3.37	3.92	10.35	***	***	4.11
Coefficient of Variation	7.30	1.73	1.87	***	***	5.49
Lsd (.05)	9.59	1.47	2.87	***	***	2.41

2011 Spring Barley Offstation-Devon **Conrad**

366211

ID	PEDIGREE	Yield (Bu/Ac)	Test Wt (lbs/Bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
2B965057	Conrad	58.47	51.38	86.27	10.40	8.80	24.00
6B952482	Tradition	53.52	51.02	83.03	10.20	8.80	27.67
MT010158	MT920041/Harrington	49.04	52.83	89.70	10.50	8.80	23.33
MT010160	MT920041/Harrington	54.90	52.34	87.03	9.40	8.90	25.33
MT020155	MT960225/H1851195	59.52	52.15	82.47	9.80	8.60	26.33
MT020162	MT960225/H1851195	64.85	52.61	84.83	9.60	8.80	25.33
MT061035	Baronesse/MT981210	64.08	50.96	76.13	8.80	8.70	22.67
MT070175	LK644///Hockett F5	58.48	52.87	89.10	9.20	8.60	26.00
MT910189	Hockett	50.25	52.05	78.50	9.90	8.80	26.33
MT960101	Geraldine	56.67	51.58	70.87	9.80	8.90	24.00
PI491534	Gallatin	56.66	51.50	82.47	9.40	8.80	27.00
Goldeneye	Goldeneye	62.13	50.45	81.47	9.30	8.90	27.33
PI643354	Pinnacle	61.13	53.01	93.67	8.40	8.80	24.33
SK 76333	Harrington	57.30	51.54	88.67	9.50	8.80	23.33
TR232	Metcalfe	54.89	52.14	86.80	9.60	8.70	26.00
MT950186	Haxby	63.08	54.34	81.63	9.40	8.80	25.67
Mean		57.81	52.05	83.91	9.58	8.78	25.29

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
Total Observations	48	48	48	48	48	48
No. of Replications	3	3	3	1	1	3
No. of Varieties	16	16	16	16	16	16
Rep. Mean Square	35.68	22.89	418.24	***	***	10.15
Var. Mean Square	64.48	2.78	95.75	***	***	6.97
Error Mean Square	20.99	0.31	26.42	***	***	1.57
Error Degrees of Freedom	30	30	30	***	***	30
F Test for Replications	1.70	61.47	15.83	***	***	6.47
F Test for Varieties	3.07	7.47	3.62	***	***	4.45
Coefficient of Variation	7.93	1.17	6.12	***	***	4.95
Lsd (.05)	7.64	1.02	8.57	***	***	2.09

2011 Spring Irrigated Barley Offstation **Conrad**

EX371911

ID	PEDIGREE	Yield (Bu/Ac)	Test Wt (lbs/Bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
2B965057	Conrad	94.79	53.87	99.20	10.20	8.20	28.33
6B952482	Tradition	81.49	51.05	97.43	10.30	8.00	32.67
MT010158	MT920041/Harrington	77.94	53.53	98.40	11.30	8.10	30.33
MT010160	MT920041/Harrington	83.05	53.96	98.73	9.70	8.10	32.67
MT020155	MT960225/H1851195	87.64	53.57	98.07	10.30	8.20	29.33
MT020162	MT960225/H1851195	94.09	53.68	97.87	9.70	8.30	29.33
MT061035	Baronesse/MT981210	100.68	54.00	98.40	8.80	8.30	28.67
MT070175	LK644///Hockett F5	95.73	53.59	98.20	8.80	8.10	29.67
MT910189	Hockett	92.30	54.04	98.37	10.10	8.10	28.67
MT960101	Geraldine	99.32	54.28	96.93	9.40	8.10	27.33
PI491534	Gallatin	83.52	54.10	97.63	10.10	8.30	30.67
Goldeneye	Goldeneye	79.05	51.76	97.40	8.90	8.20	30.67
PI643354	Pinnacle	78.12	53.64	98.55	8.50	8.20	30.67
SK 76333	Harrington	85.96	53.36	98.43	9.20	8.10	30.67
TR232	Metcalfe	81.63	52.88	97.63	8.90	8.10	32.33
MT950186	Haxby	84.32	54.33	98.07	9.60	8.30	33.33
Mean		87.48	53.48	98.08	9.61	8.17	30.33

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
Total Observations	48	48	48	48	48	48
No. of Replications	3	3	3	1	1	3
No. of Varieties	16	16	16	16	16	16
Rep. Mean Square	2599.28	0.37	0.48	***	***	1.27
Var. Mean Square	174.02	2.40	0.99	***	***	9.07
Error Mean Square	83.81	0.10	0.18	***	***	0.40
Error Degrees of Freedom	30	30	30	***	***	30
F Test for Replications	31.01	3.82	2.64	***	***	3.14
F Test for Varieties	2.08	24.84	5.45	***	***	22.43
Coefficient of Variation	10.47	0.58	0.44	***	***	2.10
Lsd (.05)	15.27	0.52	0.71	***	***	1.06

2011 Spring Barley Offstation-Knees **Conrad**

EX366411

ID	PEDIGREE	Yield (Bu/Ac)	Test Wt (lbs/Bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
2B965057	Conrad	63.98	51.12	74.70	14.90	7.70	23.00
6B952482	Tradition	68.54	50.00	61.20	13.70	7.80	27.33
MT010158	MT920041/Harrington	61.87	52.65	82.10	14.20	7.80	25.33
MT010160	MT920041/Harrington	66.25	51.94	79.17	13.80	7.90	26.00
MT020155	MT960225/H1851195	75.74	50.09	75.00	13.40	7.80	24.67
MT020162	MT960225/H1851195	69.31	51.53	66.07	14.30	7.80	25.33
MT061035	Baronesse/MT981210	75.98	49.58	66.03	13.90	7.80	22.00
MT070175	LK644///Hockett F5	70.48	51.62	85.07	12.10	7.80	25.67
MT910189	Hockett	64.39	51.86	80.13	13.20	7.80	26.00
MT960101	Geraldine	62.60	49.02	39.27	15.00	7.70	23.00
PI491534	Gallatin	63.34	51.34	72.00	13.50	7.90	26.00
Goldeneye	Goldeneye	71.25	48.82	58.20	13.90	8.00	24.33
PI643354	Pinnacle	67.08	52.46	91.50	11.80	7.90	26.33
SK 76333	Harrington	67.49	50.75	80.00	14.10	7.80	24.00
TR232	Metcalfe	65.50	50.97	77.13	14.50	7.90	25.00
MT950186	Haxby	69.49	53.51	67.47	13.30	7.70	25.00
Mean		67.71	51.08	72.19	13.73	7.82	24.94

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump (%)	Protein (%)	Moisture (%)	Plant Ht (in)
Total Observations	48	48	48	48	48	48
No. of Replications	3	3	3	1	1	3
No. of Varieties	16	16	16	16	16	16
Rep. Mean Square	43.25	5.24	321.70	***	***	1.31
Var. Mean Square	54.22	5.21	469.30	***	***	5.88
Error Mean Square	18.20	0.26	18.96	***	***	0.60
Error Degrees of Freedom	30	30	30	***	***	30
F Test for Replications	2.38	12.61	16.97	***	***	2.19
F Test for Varieties	2.98	20.27	24.75	***	***	9.77
Coefficient of Variation	6.30	0.99	6.03	***	***	3.11
Lsd (.05)	7.11	0.85	7.26	***	***	1.29