2010 Montana Spring Barley Annual Report

Plant Sciences and Plant Pathology Dept.

Table of Contents------Barley 2010

Page

Authors.....1

Variety release Committee Minutes.....2

Recommended Varieites.....10

Montana Barley Facts.....12

Climactic Data.....16

Multi-Year Reporting Methods.....23

Spring Barley Means Files

- Havre Dryland.....24
- Sidney Dryland.....26
- Sidney Irrigated.....28
- Kalispell High Moisture.....Data unavailable
- Moccasin Dryland.....30
- Huntley Dryland.....32
- Huntley Irrigated.....34
- Conrad Dryland.....Lost Due to Hail
- Conrad Irrigated.....Lost Due to Hail
- Bozeman Dryland.....36
- Bozeman Irrigated.....38

2010 Statewide Summary Tables

- Statewide all Locations.....40
- Statewide Dryland Locations.....42
- Statewide Irrigated Locations.....56

2000-2010 Barley Multi-year Summary Tables
Havre Dryland....70
Sidney Dryland....77
Sidney Irrigated....84
Huntley Dryland....98
Huntley Irrigated....105
Bozeman Dryland....112
Bozeman Irrigated....119

2010 T-Paired Results Tables
T-Paired Analysis Dryland Tables....126
T-Paired Analysis Irrigated Tables....140

Offstation....154

2000-2010 Spring Barley Summary Report

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Barley Cooperators

Bozeman		
	Department of Plant Sciences and Plant Pathology	Dr. J. Martin
	Cereal Quality Lab	Ms. D. Nash
Havre		
	Northern Agriculture Research Center	Mr. G. Carlson
		Ms. P. Lamb
Sidney		
	Eastern Agriculture Research Center	Dr. J. Eckhoff
Kalispell		
	Northwester Agriculture Research Center	Dr. B. Stougaard
		Dr. Qingwu Xue
Moccasin		
	Central Agriculture Research Center	Mr. D. Wichman
Huntley		
	Southern Agriculture Research Center	Dr. K. Kephart
		Ms. G. Opena
Conrad		
	Western Triangle Agriculture Research Center	Dr. G. Kushnak

MONTANA
STATE UNIVERSITY

DATE: January 26, 2010

TO: Variety Release and Recommendation Committee Members

FROM: John Sherwood, Chair

Re: 2010 Minutes and Committees

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

Present: John Sherwood, Phil Bruckner, Peggy Lamb, Joyce Eckhoff, Becky Mahurin, Jeff Whitmus, Gregg Carlson, David Wichman, Grant Jackson, Mac Burgess, Bob Stougaard, Ron Larson, Heather Rimel, Jim Kulish, Johnna Heser, Kelly Arnold, John H. Miller, Tracy Dougher, Fabian Menalled, William Hoch, Joe Scianna, Jerald Bergman, Beth Graham, Susan Winslow, Roger Hybner, Jim Jacobs, Mike Giroux, Dan M. Roddy, Ron Ramsfield, Susan Lanning, Joy O. Garcia, Gigi Opena, Melvin Goffena, Jim Berg, Perry Miller, Nancy Blake, Luther Talbert, Irene Decker

Not in attendance: Kurt Kammerzell, Heather Mason, David Weaver (submitted opinions by email), and Mary Burrows (submitted opinions by email).

Crop Science

Entomology

Horticulture

Plant Biology

Plant Genetics

Plant Pathology

Agenda

1. Approval of 2009 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

A motion that MT0552 hard red winter wheat (HRWW) be approved for protected MAES public cultivar release in 2010.

Joyce Eckhoff

A motion for the release of durum wheat MT03012.

Horticulture and Native Plants

Susan Winslow

A motion for the pre-varietal release of 9081828 blanketflower selected class germplasm

Beth Graham

A motion for the pre-varietal release of 9081334 silver buffaloberry

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selected Class of natural germplasm

J. Sherwood – Is there a motion to approve minutes from 2009 Variety Release meeting?

B. Grey – Made a motion to approve the minutes from the 2009 meeting

G. Jackson – Second the motion

Vote: 14 for and 0 against

J. Sherwood – Everything that is voted on by the variety release committees is a recommendation to the Dean/Director. I will send an email to the variety release listserve when I hear back from the Director and let all of you know the final decisions made by the Director.

2010 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. Mary Burrows - absent	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 - absent	Entomologist	LRES Head
9. Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11.Grant Jackson		WTARC Superintendent
12. Bob Stougaard		NWARC Superintendent
13. Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Kurt Kammerzell - absent	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

Wheat

Phil Bruckner

A motion to remove the Soft White Winter Wheat Varieties (the whole section) from the winter wheat recommended list since we are testing soft white winter wheat

varieties only at Bozeman and do not have an adequate data base to make these recommendations.
D. Wichman – Second the motion

M. Goffena – The Montana Wheat and Barley Committee is working on marketing blends of soft wheat and hard red spring wheat. Please continue the test of soft white winter wheats for another year and bring this motion forward next year.

P. Miller – Are there any specialty niche markets?

P. Bruckner – Nothing detectable in the acreage surveys. We can leave it alone for this year, but I want to emphasize that we are not generating a database anymore.

D. Wichman – Which varieties are on the list?

P. Bruckner – Eltan is the best one and we are still testing it.

M. Giroux – Idaho and Washington are testing new varieties again including Eltan, the long term check variety.

P. Bruckner – I am withdrawing the motion for this year.

J. Sherwood – Motion removed.

J. Sherwood – To Melvin Goffena: It might be good to discuss this issue at the MWBC meeting in a few weeks.

Phil Bruckner and Jim Berg
A motion that MT0552 hard red winter wheat (HRWW) be approved for MAES protected public cultivar release in 2010.

G. Jackson – Second the motion

P. Bruckner – This variety shows good performance in Eastern Montana and North Dakota although it did quite well at all testing locations. It is a composite of 3 crosses. It is winter hardy, high yielding, has short stature, and has about the same stem rust resistance, yield potential and winter hardiness as CDC Falcon. In other areas, it is an improvement over Falcon. We are suggesting the name of Decade as we have worked 13 years with the Williston Research and Extension Center on this variety. The variety reflects the cooperation between Montana and North Dakota.

J. Sherwood – Since this is a joint release, do we need to wait until North Dakota approves it?

P. Bruckner – It is up to North Dakota if they want to do a joint release. Dr. Grafton, Dean/Dir. NDSU, will make that decision. There is about 40 acres of Foundation seed in production for 2010 crop year. It appears to have levels of

spontaneous aneuploidy which results in tall off-type plants. Our only reservation about this variety is that there is considerable height variation.

D. Roddy – CDC Falcon had the same problem and after a few years people just came to accept it.

P. Bruckner – Other wheat varieties that have this type of height variability are Len and Highline. For quality, Decade is a really strong gluten type – with high water absorption and needs to be mixed longer.

M. Giroux – People are not complaining about that. In summation, it is a good quality variety.

Vote – 13 for, 0 against

Joyce Eckhoff
A motion that MT03012 durum wheat be approved for MAES protected public cultivar release in 2010.

R. Larson – Seconded the motion

J. Eckhoff – This is a product of a genetic male sterile facilitated recurrent selection composite cross population. As such there is no known pedigree. This line was free of leafspots and green in the middle of many diseased plants. The line is day length insensitive. In dryland sites only, the yields were similar to Mountrail, Alkabo, and Grenora. We selected for day length sensitivity by growing in the greenhouse in the winter. Compared to check varieties, it is quite a bit shorter, had a more solid stem on two sites where it was grown, and had similar test weights.

K. Kephart – Is there a statistical difference among the cultivars tested for sawfly cutting?

J. Eckhoff – I am not sure, but I think so since we have 28 location years tested. Other characteristics include a protein percent the same as that of Mountrail, a higher NRI hardness number, similar yield, and acceptable color.

M. Giroux – What is the cadmium level?

J. Eckhoff – It has a high cadmium level.

R. Larson – What does it look like?

J. Eckhoff – It has black awns, but not black chaff

M. Giroux – We need statistical analysis. It is hard to make comparisons if we don't have that.

Joyce E. – I followed the format of a variety from last year.

K. Kephart – On releases, we always have statistical data. You may have looked at one that was recommended only..

M. Giroux – The yield looks lower for MT03012 than the comparable varieties.

J. Sherwood – It is hard to say because there are no statistics.

J. Eckhoff – I have the replicated data; I just don't have it with me.

B. Grey – How much seed do you have?

J. Eckhoff – A limited amount.

B. Grey – How about if we wait a year to review the release, plant the seed you have for a closer look and for expansion of breeder seed.

J. Eckhoff – That would be fine.

B. Grey – An additional year would provide time for the description and determine if the line has uniformity. It would also be helpful to have a larger quantity of seed for foundation production.

B. Stougaard – If this were a private company with similar information, how would be look at it?

P. Bruckner – We still need the mean separation among cultivars tested.

J. Sherwood – We can ask Joyce to provide the stats through email if this is a rush or bring it back next year.

J. Eckhoff – Do you want all the sites analyzed together?

J. Sherwood – The Committee usually looks at all data and compares it statistically. It would be good to have a Montana variety in the Foundation Seed program. How does the Committee want to proceed?

K. Kephart – We need a Least Significant Difference under each column. I am not prepared to vote in favor as it is presented.

R. Larson – We should set it aside for one year and next year Joyce could provide the numbers.

J. Sherwood – Joyce does not need to collect more data, just present the statistical data that is there.

J. Eckhoff – I withdraw my motion.

K. Kephart – In fairness to Joyce, there are some varieties that were up for release in past years that also did not have the data we are asking for. We need to be more diligent about having the necessary statistics.

Horticulture and Native Plants Variety Release Committee		
Voting Members, 16	***Affiliation***	***Appointing Administrator***
Chair, John Sherwood	*PSPP Head*	*Director MAES*
1. Bill Hoch	Horticulturist	PSPP Head
2. Tracy Dougher	Horticulturist	PSPP Head
3. Mary Burrows - absent	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 - absent	Entomologist	LRES Head
9. Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11. Grant Jackson		WTARC Superintendent
12. Heather Mason - absent		NWARC Superintendent
13. Jerry Bergman		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Kurt Kammerzell - absent	Chair	MAES Advisory Board
16. Joe Scianna		Bridger Plant Materials Center
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Horticulture and Native Plants
Susan Winslow (Ron Larson made the motion)
A motion for the pre-varietal release of 9081828 Blanketflower selected class germplasm

G. Jackson – Second the motion.

S. Winslow – This variety has met all the requirements for pre-varietal release. This would be a joint release with Wyoming.

J. Sherwood – How does it perform on road sides?

S. Winslow – It does pretty well; it is an opportunistic type of plant, but not invasive. It spreads well by seed and does well in dry conditions, but not extremely dry.

D. Wichman – How far north does it grow well?

S. Winslow – British Columbia and Alberta

J. Sherwood – Is it a perennial?

S. Winslow – Yes, it is moderately long lived. It has not been tested in Eastern Montana, but is found in all the counties in Montana.

B. Grey – When will the seed become available?

S. Winslow – We have a half acre seeded and will do more in the spring and midsummer.

P. Miller – How were the lines chosen?

S. Winslow – They were chosen for the sheer fact that they were in planting – we wanted as much diversity as possible.

G. Jackson – There are no stats here either.

S. Winslow – Only four years of testing are required for pre-varietal release.

Vote: 12 for, 0 against

Beth Graham (Motion made by Grant Jackson)
A motion for the pre-varietal release of 9081334 silver buffaloberry selected class of natural germplasm

T. Dougher – Second the motion

B. Graham – This is a pre-varietal request also. We had a native seed source – collected in the Anaconda area where soils have low pH and are contaminated by heavy metals. The source of future foundation seed is an orchard at the Bridger Plant Materials Center.

J. Sherwood – Are there different buffaloberry types?

B. Graham – Yes, there are several such as Russet, Canada. It would be a very good variety for revegetation in riparian areas. At this point, the seed would go to nurseries and they would sell bare root stock.

G. Jackson – would this be used on the Clark Fork rehabilitation project?

B. Graham – Yes. It has been used in the Silver Bow restoration and it performed really well. Song birds use it for nesting and it is a good late season food source. Also pheasants and grouse eat it.

B. Grey - When seed is sold to a nursery, may they sell seed from those plants?

J. Scianna – Yes.

Vote: 12 for, 0 against

K. Kephart - Motion to adjourn

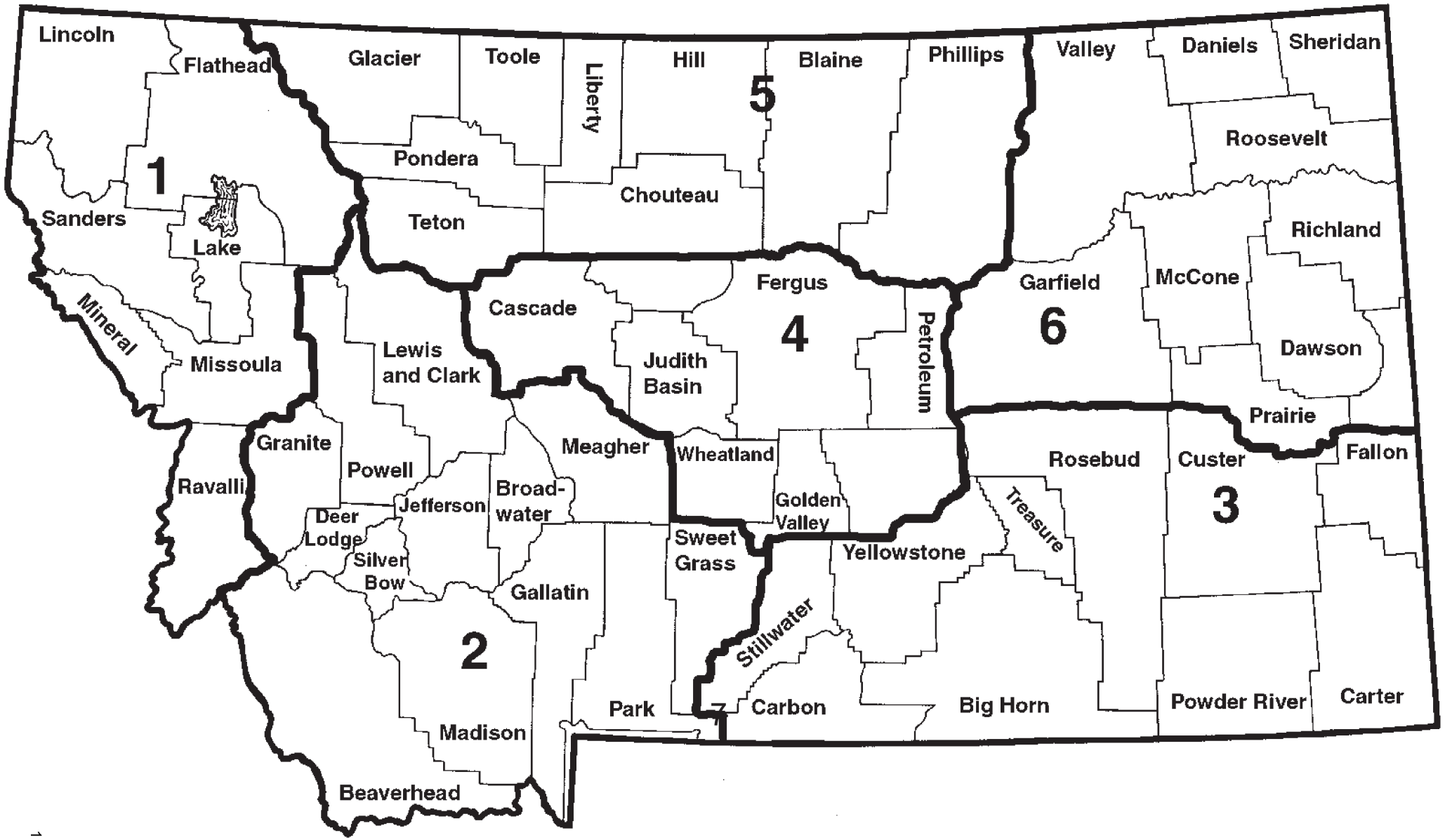
P. Bruckner – Second the motion

Vote: 14 for, 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
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
1
5
Roosevelt
Pondera
Chouteau
Sanders
Lake
Teton
Richland
Fergus
Garfield
McCone
Mineral
Cascade
4
6
Petroleum
Missoula
Lewis
and Clark
Judith
Basin
Dawson
Prairie
Granite
Meagher
Wheatland
Rosebud
Custer
Fallon
Ravalli
Powell
Broad-
water
Golden
Valley
Treasure
3
Deer
Lodge
Jefferson
Sweet
Grass
Yellowstone
Silver
Bow
Gallatin
Stillwater
2
Park
Carbon
Big Horn
Powder River
Carter
Madison
Beaverhead

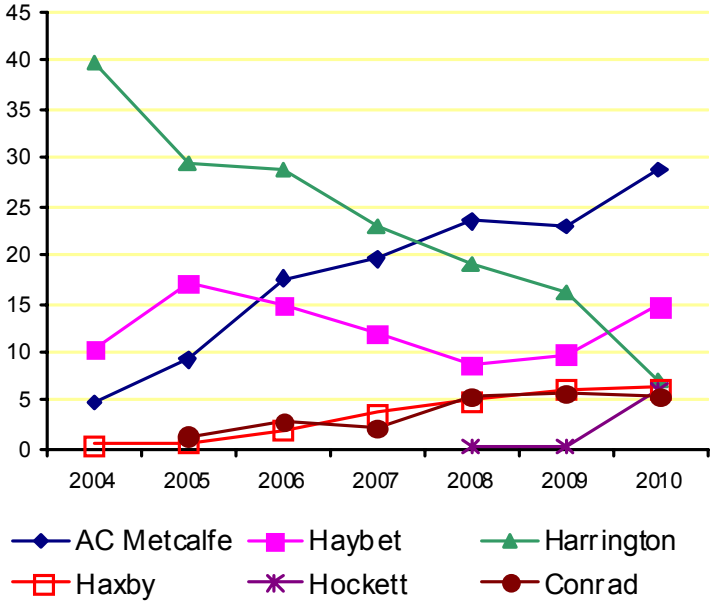
All Barley Varieties Seeded Acreage and Percent of Total Seeded by Districts, 2010

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
AC Metcalfe*	0.9	5.6	167.7	47.5	--	--	25.6	24.4	5.5	21.1	0.9	1.4	--	--	200.6	28.7
Haybet	1.1	6.9	18.4	5.2	48.8	49.8	8.3	7.9	0.2	0.7	3.4	5.2	22.6	62.9	102.8	14.7
Harrington*	--	--	33.9	9.6	1.6	1.6	10.0	9.5	3.5	13.4	--	--	--	--	49.0	7.0
Haxby	3.8	23.8	11.3	3.2	6.3	6.4	18.3	17.4	0.7	2.8	2.0	3.0	2.7	7.4	45.1	6.4
Hockett*	--	--	38.5	10.9	--	--	1.2	1.1	0.6	2.4	2.3	3.5	--	--	42.6	6.1
Conrad*	--	--	27.1	7.7	--	--	2.6	2.5	0.4	1.5	8.6	13.0	--	--	38.7	5.5
Moravian 69*	--	--	0.4	0.1	--	--	0.9	0.9	5.9	22.7	28.0	42.4	--	--	35.2	5.0
Conlon*	--	--	11.3	3.2	1.7	1.7	19.0	18.1	--	--	0.3	0.5	--	--	32.3	4.6
Merit*	--	--	15.9	4.5	--	--	3.6	3.4	--	--	1.8	2.7	--	--	21.3	3.0
Tradition*	--	--	--	--	15.6	15.9	--	--	1.5	5.6	--	--	1.6	4.4	18.7	2.7
Hays	0.4	2.5	1.4	0.4	5.3	5.4	2.5	2.4	2.1	7.9	5.0	7.6	0.2	0.6	16.9	2.4
Westford	1.4	8.8	1.1	0.3	--	--	1.1	1.0	--	--	2.0	3.0	3.1	8.5	8.7	1.2
Horsford	0.5	3.1	--	--	3.5	3.6	1.7	1.7	0.7	2.9	1.7	2.6	--	--	8.1	1.2
Baronesse	1.1	6.9	4.6	1.3	--	--	--	--	0.6	2.2	0.9	1.4	--	--	7.2	1.0
Gallatin	--	--	3.2	0.9	--	--	--	--	--	--	1.4	2.1	0.3	0.9	4.9	0.7
Hector	--	--	0.4	0.1	0.7	0.7	1.4	1.3	1.3	5.1	0.3	0.5	--	--	4.1	0.6
Stark	--	--	--	--	4.0	4.1	--	--	--	--	--	--	--	--	4.0	0.6
Westbred Xena	1.6	10.0	1.4	0.4	--	--	0.7	0.7	--	--	--	--	--	--	3.7	0.5
Moravian 37*	--	--	--	--	--	--	--	--	0.1	0.4	3.0	4.5	--	--	3.1	0.5
Stockford	0.2	1.2	0.4	0.1	--	--	0.6	0.6	1.2	4.6	0.5	0.7	--	--	2.9	0.4
Boulder	--	--	2.1	0.6	--	--	--	--	--	--	--	--	0.8	2.1	2.9	0.4
Bowman	--	--	0.7	0.2	0.7	0.7	--	--	--	--	--	--	1.2	3.4	2.6	0.4
Champion	0.2	1.2	--	--	--	--	2.2	2.1	0.1	0.6	--	--	--	--	2.5	0.4
Other & Unknown	4.8	30.0	13.2	3.8	9.8	10.1	5.3	5.1	1.6	6.1	3.9	5.9	3.5	9.8	42.1	6.0
All Varieties	16.0	100.0	353.0	100.0	98.0	100.0	105.0	100.0	26.0	100.0	66.0	100.0	36.0	100.0	700.0	100.0

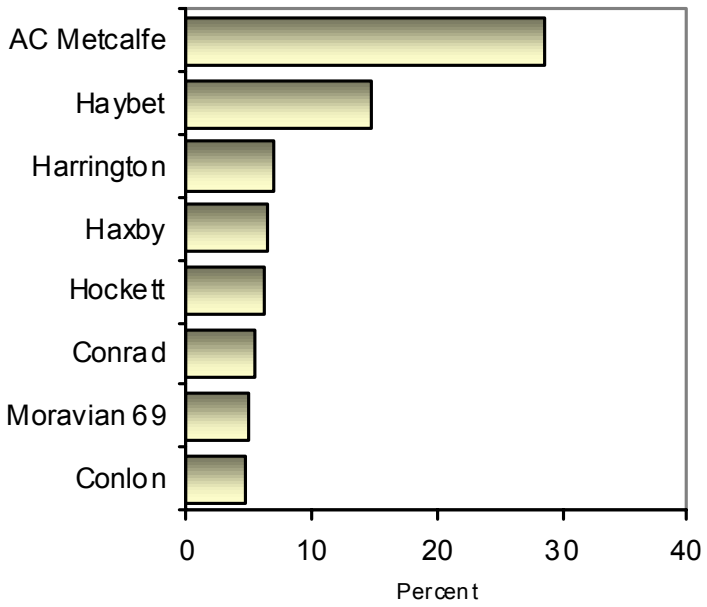
*Denotes variety recommended by the American Malting Barley Association, Inc. for planting in 2010.
Please note: Funding for this data was provided by the Montana Wheat & Barley Committee and the American Malting Barley Association.

All Barley Major Varieties as a Percent of Total Seeded Acres

Major Varieties - 2004-2010



Major Varieties -2010



Barley Purchased to Produce Malt, by Districts

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	2008				6,563	12.2	88				1,553	12.4	88
	2009				4,329	11.4	93				514	11.7	91
Moravian 37	2008				27	11.5	96						
	2009				628	10.6	95						
Conrad	2008	117	12.4	91	2,156	12.6	93				241	12.5	93
	2009	40	11.8	94	2,788	11.8	95				273	11.2	96
Harrington	2008				4,822	12.0	89	6	12.2	67	375	11.7	92
	2009				2,713	11.6	93	4	13.7	54	679	12.0	89
Merit	2008				2,192	11.4	92				569	11.2	90
	2009				1,412	10.4	92				1,379	11.2	85
Tradition	2008							2,038	12.5	89			
	2009							2,065	12.0	94			
Hockett	2008				83	12.2	94						
	2009				91	11.6	95						
Copeland	2008							232	13.4	63			
	2009							122	12.4	92			
Stellar	2008							549	12.8	80			
	2009							109	11.4	96			
Merit 57	2008												
	2009				66	11.3	92				15	10.7	92
Other	2008							248	12.9	81			
	2009							80	11.9	87			
Total	2008	117	12.4	91	15,843	12.1	90	3,073	12.7	85	2,738	12.1	89
	2009	40	11.8	94	12,027	11.4	93	2,380	12.0	94	2,860	11.5	88

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	2008	733	12.3	88							8,849	12.2	88
	2009	539	11.4	95	300	12.4	94				5,682	11.5	93
Moravian 37	2008	89	13.4	92	2,101	11.1	95	19	11.7	96	2,236	11.2	95
	2009	561	11.1	93	3,203	10.4	95				4,392	10.5	95
Conrad	2008	5	12.2	91	751	11.5	95				3,270	12.3	94
	2009	3	12.8	95	652	12.5	92				3,756	11.9	94
Harrington	2008	378	12.4	89	113	11.7	88				5,694	12.0	89
	2009	222	11.6	90	52	13.2	75				3,670	11.7	91
Merit	2008				214	11.0	90				2,975	11.3	91
	2009				102	11.0	85				2,893	10.8	88
Tradition	2008							341	12.2	92	2,379	12.5	89
	2009										2,065	12.0	94
Hockett	2008				17	10.4	94				100	11.9	94
	2009				34	12.2	88				125	11.8	93
Copeland	2008										232	13.4	63
	2009										122	12.4	92
Stellar	2008										549	12.8	80
	2009										109	11.4	96
Merit 57	2008												
	2009				19	12.4	86				100	11.4	91
Other	2008	19	13.0	88	212	11.3	91	147	12.7	89	626	12.3	86
	2009				103	10.4	95				183	11.0	92
Total	2008	1,224	12.4	89	3,408	11.2	94	507	12.3	91	26,910	12.1	90
	2009	1,325	11.3	93	4,465	10.9	94				23,097	11.4	93

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

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, 2008

County and District	ALL				
	Planted	Harvested	Yield	Production	
	Acres	Acres	Bu	Bushels	Rank
Deer Lodge	--	--	--	--	--
Flathead	8,700	8,100	71.0	579,000	17
Granite	--	--	--	--	--
Lake	2,900	1,700	69.0	118,000	37
Lincoln	--	--	--	--	--
Mineral	--	--	--	--	--
Missoula	800	400	75.0	30,000	47
Powell	2,700	800	66.0	53,000	45
Ravalli	1,100	800	76.0	61,000	44
Sanders	800	300	57.0	17,000	50
Other	2,000	400	78.0	31,000	--
NORTHWEST	**19,000**	**12,500**	**71.0**	**889,000**	**--**
Blaine	21,500	16,500	47.0	775,000	13
Chouteau	38,000	35,000	38.0	1,342,000	9
Glacier	112,000	110,000	47.0	5,202,000	2
Hill	16,000	15,100	48.0	719,000	15
Liberty	26,000	25,500	29.0	733,000	14
Phillips	21,000	9,500	33.0	316,000	25
Pondera	86,000	84,000	64.0	5,352,000	1
Teton	69,000	67,100	71.0	4,762,000	3
Toole	53,000	52,300	43.0	2,244,000	4
Other	--	--	--	--	--
NORTH CENTRAL	**442,500**	**415,000**	**52.0**	**21,445,000**	**--**
Daniels	--	--	--	--	--
Dawson	18,200	12,700	35.0	440,000	20
Garfield	--	--	--	--	--
McCone	19,300	13,500	26.0	354,000	23
Richland	37,000	33,700	47.0	1,586,000	7
Roosevelt	7,000	5,300	43.0	226,000	29
Sheridan	7,800	6,300	34.0	216,000	30
Valley	13,400	9,600	39.0	372,000	22
Other	17,800	6,900	30.0	206,000	--
NORTHEAST	**120,500**	**88,000**	**39.0**	**3,400,000**	**--**
Broadwater	5,400	5,000	62.0	309,000	26
Cascade	33,000	30,600	53.0	1,631,000	6
Fergus	32,800	27,300	32.0	863,000	12
Golden Valley	6,400	5,400	24.0	129,000	36
Judith Basin	21,300	18,000	31.0	566,000	18
Lewis & Clark	8,900	8,300	76.0	632,000	16
Meagher	10,500	9,900	38.0	373,000	21
Musselshell	--	--	--	--	--
Petroleum	--	--	--	--	--
Wheatland	10,900	10,300	24.0	251,000	28
Other	6,300	2,200	30.0	66,000	--
CENTRAL	**135,500**	**117,000**	**41.0**	**4,820,000**	**--**
Beaverhead	8,900	6,000	85.0	509,000	19
Gallatin	26,000	25,000	54.0	1,358,000	8
Jefferson	--	--	--	--	--
Madison	6,500	4,600	75.0	346,000	24
Silver Bow	--	--	--	--	--
Other	1,600	900	70.0	63,000	--
SOUTHWEST	**43,000**	**36,500**	**62.0**	**2,276,000**	**--**
Big Horn	16,000	14,000	67.0	940,000	10
Carbon	10,500	10,000	94.0	940,000	10
Park	4,100	3,000	62.0	185,000	32
Stillwater	7,400	5,300	32.0	169,000	34
Sweetgrass	1,100	500	50.0	25,000	48
Treasure	2,900	2,600	99.0	257,000	27
Yellowstone	21,500	20,100	83.0	1,675,000	5
Other	--	--	--	--	--
SOUTH CENTRAL	**63,500**	**55,500**	**76.0**	**4,191,000**	**--**
Carter	5,700	2,400	26.0	62,000	43
Custer	6,200	2,400	60.0	145,000	35
Fallon	5,900	2,700	30.0	81,000	39
Powder River	4,400	1,200	41.0	49,000	46
Prairie	4,200	1,900	54.0	102,000	38
Rosebud	5,000	2,600	82.0	214,000	31
Wibaux	4,600	2,300	29.0	66,000	40
Other	--	--	--	--	--
SOUTHEAST	**36,000**	**15,500**	**46.0**	**719,000**	**--**
MONTANA	**860,000**	**740,000**	**51.0**	**37,740,000**	**--**

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

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2009-2010 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1916-2010 AT THE NORTHERN AGRICULTURAL RESEARCH CENTER AT HAVRE, MONTANA

	SEPT. 2009	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year	0.39	1.25	0.00	0.69	0.72	0.28	0.31	2.39	3.36	2.54	1.40	1.28	14.61
Average (1916-2010)	1.14	0.66	0.43	0.45	0.43	0.32	0.54	0.99	1.78	2.56	1.43	1.19	11.92
Mean Temperature (°F)													**AVERAGE**
Current Year	64.1	38.8	38.8	7.0	13.1	12.2	32.7	44.7	49.4	60.3	66.7	66.7	41.20
Average (1916-2010)	56.2	45.7	30.2	19.5	15.4	19.9	30.0	43.6	54.0	61.8	69.2	67.3	42.70

Last killing frost in Spring
2010. . . . . May 13 (31°)
Avg. (1916-2010) . . . . . May 14

First killing frost in Fall
2010 . . . . . October 14 (31°)
Avg. (1916-2010) . . . . . September 20

Frost-free period
2010 . . . . . 154 days
Avg. (1916-2010) . . . . . 129 days

Growing degree days (Base 50)
2010 . . . . . 2219.5 days
Avg. (1916-2010) . . . . . 2379.2 days

Maximum summer temperature 102° F on August 27, 2010
Minimum winter temperature -35°F on December 7, 2009

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

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2009-2010 YEAR (OCTOBER-SEPTEMBER) AND AVERAGES FOR THE PERIOD 1949-2010 AT THE EASTERN AGRICULTURAL RESEARCH CENTER IN SIDNEY, MT

	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	SEPT. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year- Irrigated	2.19	0.02	0.82	0.78	0.35	0.29	0.83	5.49	3.17	2.60	2.00	2.37	20.91
Average (1958-2010)	0.94	0.48	0.44	0.41	0.36	0.53	1.11	2.04	2.81	2.11	1.41	1.27	13.91
Current year- Dryland	2.14	0.02	0.82	0.78	0.35	0.29	1.13	6.44	2.94	2.54	2.27	0.71	20.43
Mean Temperature (°F)													**AVERAGE**
Current Year	40.5	38.5	8.8	13.9	11.5	35.5	48.8	53.4	64.8	70.7	70.9	58.1	42.95
Average (1949-2010)	45.9	30.3	18.3	12.6	19.7	30.4	44.7	56.0	64.5	70.1	68.8	57.8	43.26

Last killing frost in Spring
2010. . . . . May 10 (31 °F)
Avg. (1949-2010) . . . . . May 15

First killing frost in Fall
2010 . . . . . October 18 (26°F)
Avg. (1949-2010) . . . . . September 21

Frost-free period
2010. . . . . 161 days
Avg. (1949-2010) . . . . . 128 days

Growing degree days (Base 50)**
2010 . . . . . 2455 days
Avg. (1949-2010) . . . . . 2244 days

Maximum summer temperature 98°F on August 27, 2010
Minimum winter temperature -31°F on January 8, 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 2009-2010 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1980-2010 AT THE NORTHWESTERN AGRICULTURAL RESEARCH CENTER NEAR KALISPELL, MONTANA

	SEPT. 2009	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year	.04	1.72	.37	2.66	1.42	.66	.72	3.47	2.45	5.03	1.25	1.35	21.14
Average (1980-2010)	1.62	1.29	1.56	1.53	1.37	1.17	1.3	1.83	2.42	3.22	1.69	1.17	20.16
Mean Temperature (°F)													**AVERAGE**
Current Year	60.1	38.9	35.3	18.0	26.4	31.4	37.9	41.2	47.1	56.0	61.9	61.4	42.97
Average (1980-2010)	53.7	42.1	32.6	24.0	24.6	27.2	34.8	43.1	51.4	57.6	64.3	63.4	43.22

Last killing frost in Spring
2010. . . . . May 22 (31 °F)
Avg. (1980-2010) . . . . . May 20

First killing frost in Fall
2010 . . . . . September 23 (32°F)
Avg. (1980-2010) . . . . . September 17

Frost-free period
2010 .. . . . 124 days
Avg. (1980-2010) . . . . . 119 days

Maximum summer temperature 92°F on August 27, 2010
Minimum winter temperature -16°F on December 8& 9, 2009

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

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2009-2010 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1909-2010 AT THE CENTRAL AGRICULTURAL RESEARCH CENTER AT MOCCASIN, MT

	SEPT. 2009	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year	0.81	2.91	0.19	0.34	0.42	0.48	0.18	1.10	3.36	2.61	1.47	3.78	17.65
Average (1909-2010)	1.39	0.91	0.56	0.55	0.55	0.45	0.71	1.19	2.54	3.13	1.69	1.62	15.29
Mean Temperature (°F)													**AVERAGE**
Current Year	63.2	35.2	39.1	15.7	26.6	25.4	40.6	41.6	45.7	56.5	63.6	64.6	43.2
Average (1911-2010)	54.7	44.7	32.9	24.9	21.5	24.7	30.4	40.8	50.1	57.9	65.8	64.8	42.8

Last killing frost in Spring
2010. . . . . . May 30 (30°F)
Avg. (1909-2010). . . . . . May 27

First killing frost in Fall
2010. . . . . . September 18 (32°F)
Avg. (1909-2010) . . . . . September 15

Frost-free period
2010 . . . . . 111 days
Avg. (1909-2010) . . . . . 111 days

Maximum summer temperature 98°F on August 26, 2010
Minimum winter temperature -28°F on Decenber 8,2009

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

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2009-2010 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1911-2010 AT THE SOUTHERN AGRICULTURAL RESEARCH CENTER NEAR HUNTLEY, MONTANA

	SEPT. 2009	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year	0.28	1.93	0.16	0.46	0.77	0.69	0.36	0.85	2.66	3.15	2.08	2.80	16.19
Average (1911-2010)	1.32	1.07	0.63	0.60	0.55	0.45	0.79	1.34	2.12	2.36	1.13	0.95	13.31
Mean Temperature (°F)													**AVERAGE**
Current Year	63.0	39.0	37.0	14.3	19.6	21.2	42.1	46.2	51.6	63.5	70.2	70.6	44.86
Average (1911-2010)	57.9	46.8	33.6	23.8	20.6	25.7	34.1	45.4	54.9	63.3	70.7	68.7	45.46

Last killing frost in Spring
2010 ..... May 14 (32 °F)
Avg. (1911-2010) ..... May 17

First killing frost in Fall
2010 ..... October 12 (29 °F)
Avg. (1911-2010) ..... September 19

Frost-free period
2010 ..... 151 days
Avg. (1911-2010) ..... 125 days

Growing degree days (Base 50)**
2010 ..... 2108 GDD (°F)
Avg. (1911-2010) ..... 1907 GDD (°F)

Maximum summer temperature 103 °F on August 26, 2010
Minimum winter temperature -35 °F on January 7, 2010

- 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 2009-2010 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1984-2010 AT THE WESTERN TRIANGLE RESEARCH CENTER, CONRAD, MT

	SEPT. 2009	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year	0.41	0.77	0.00	0.41	0.53	0.14	0.14	2.03	3.03	3.79	2.29	1.98	15.52
Average (1984-2010)	1.22	0.58	0.29	0.18	0.18	0.23	0.43	0.95	1.80	2.87	1.43	1.23	11.35
Mean Temperature (°F)													**AVERAGE**
Current Year	62.6	36.2	36.9	12.6	20.4	22.9	37.5	40.5	44.3	55.7	62.4	62.1	41.2
Average (1984-2010)	57.1	44.9	32.7	24.3	23.1	24.9	33.3	43.1	51.9	59.6	66.9	66.0	44.0

Last killing frost in Spring
2010 ..... May 30
Avg. (1984-2010) ..... May 19

First killing frost in Fall
2010 ..... October 16
Avg. (1984-2010) ..... September 25

Frost-free period
2010 ..... 139 days
Avg. (1984-2010) ..... 128 days

Maximum summer temperature 95°F on September 27, 2010
Minimum winter temperature -25°F on December 15, 2010

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

SUMMARY OF CLIMATIC DATA BY MONTHS FOR THE 2009-2010 YEAR (SEPTEMBER-AUGUST) AND AVERAGES FOR THE PERIOD 1958-2010 AT THE POST AGRONOMY RESEARCH FARM IN BOZEMAN, MT

	SEPT. 2009	OCT. 2009	NOV. 2009	DEC. 2009	JAN. 2010	FEB. 2010	MAR. 2010	APR. 2010	MAY 2010	JUNE 2010	JULY 2010	AUG. 2010	YEAR
Precipitation (in.)													**TOTAL**
Current year	.51	1.81	1.18	.29	.53	.30	.99	1.49	3.38	4.69	.40	1.78	17.35
Average (1958-2010)	1.45	1.41	.91	.56	.53	.51	1.03	1.63	2.63	2.77	1.35	1.27	16.05
Mean Temperature (°F)													**AVERAGE**
Current Year	63.7	38.7	33.4	15.4	24.2	26.9	37.2	43.2	46.9	56.9	65.3	64.3	43.01
Average (1958-2010)	55.5	45.2	31.6	23.4	22.4	27.2	33.4	42.3	51.2	58.7	65.7	64.6	43.43

Last killing frost in Spring
2010 . . . . . **June 11 (**32°F)
Avg. (1958-2010) . . . . . **June 1**

First killing frost in Fall
2010. . . . . **September 7 (**32°F)
Avg. (1958-2010) . . . . . **September 11**

Frost-free period
2010 . . . . . **88 days**
Avg. (1958-2010) . . . . . **102 days**

Maximum summer temperature **95** °F on Agust 26th and 27th , 2010
Minimum winter temperature **- 23** °F on December 8th, 2009

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

2010 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 give significance level.

2010 Spring Barley Dryland Intrastate **Havre**

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (1 rep)	Thin % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Miosture % (adj)
2B965057	Conrad	82.32	49.15	96.6	1.1	187.55	29.11	12.75	11.31
6B952482	Tradition	7.36	47.92	90.4	2.3	179.00	34.58	12.19	11.04
MT010158	Amsterdam	78.23	49.87	97.0	0.9	182.41	29.31	13.22	10.59
MT010160	MT920041/Harrington	70.19	50.23	96.8	0.9	183.55	28.71	11.99	11.58
MT020155	MT960225/H1851195	75.60	49.69	96.8	0.9	179.22	31.36	12.95	10.25
MT020162	MT960225/H1851195	72.82	49.45	93.6	2.1	185.72	32.04	13.17	11.03
MT020167	MT960225/H3860224	64.58	51.26	98.3	0.5	183.27	31.16	12.08	11.91
MT020204	MTLB 32/H1851195	87.27	50.82	95.4	1.6	179.64	30.21	12.81	11.86
MT020205	MTLB 32/H1851195	73.84	50.51	98.2	0.7	179.78	30.02	12.79	10.49
MT030042	MT910189/MT960099	74.42	51.36	94.3	2.0	181.31	28.82	11.05	11.70
MT030063	MT950155/Harrington	28.25	51.23	97.7	0.6	182.73	30.17	12.44	12.07
MT030079	MT950186/MT960225	51.02	51.10	96.1	1.0	181.75	30.13	11.90	11.48
MT040073	MT960045/Harrington	72.26	51.18	95.9	1.0	182.28	30.78	12.56	11.88
MT040209	MT960228/MT950186	76.45	50.20	97.5	0.8	186.07	31.26	13.24	11.91
MT050030	GS 1750/Bearpaw	70.48	49.40	98.8	0.3	184.59	30.80	11.36	11.85
MT050062	Harrington/MT960225	50.06	50.58	98.0	0.4	183.82	30.84	11.37	10.96
MT061032	Baronesse/MT981210	88.29	48.80	91.7	2.7	187.98	27.40	12.45	10.35
MT061035	Baronesse/MT981210	89.72	48.30	91.3	2.8	185.79	28.61	12.58	10.85
EM090117	03013-25	85.89	47.55	95.5	1.6	190.56	24.93	12.74	10.63
EM090128	03021-03	78.76	49.32	96.0	1.1	185.60	23.20	11.84	11.25
MT061104	Harrington/MT970229	65.20	50.04	98.2	0.5	179.94	31.92	12.80	11.58
MT061169	MT960101/Coors 37	81.57	50.32	94.7	2.1	187.00	26.92	12.45	12.09
MT070063	MT010178/MT970116	42.13	50.60	97.8	0.8	179.21	33.14	12.34	10.65
MT070086	MT970148/Coors 37	74.93	49.94	96.1	1.4	187.35	23.91	12.90	11.04
MT070111	MT010178/Harrington	78.36	50.12	95.0	1.6	185.98	31.32	12.19	10.45
MT070125	MT981210/MT970116	63.16	50.27	97.6	0.7	183.84	32.37	12.52	11.27
MT070148	MT990172/Metcalfe	71.34	49.54	97.2	1.1	180.24	29.21	12.41	10.85
MT070156	MT970148/Klages	79.95	49.75	95.8	1.5	182.36	27.16	12.19	11.60
MT070157	MT970148/Klages	83.54	50.60	97.5	0.9	182.77	29.98	12.46	11.03
MT070158	MT970148/Klages	92.76	50.62	97.8	0.7	182.78	30.34	12.60	11.22
MT070159	MT970148/Klages	76.82	49.89	97.1	1.0	184.06	27.90	12.08	9.78
MT070161	MT970148/Klages	84.34	50.58	98.2	0.5	183.70	29.57	12.51	11.34
MT070175	LK644///Hockett F5	81.02	49.35	96.7	1.2	181.68	32.28	11.61	9.54
MT080001	Amulet/Metcalfe	73.53	50.28	97.8	0.6	188.53	25.22	13.16	10.87
MT080017	Amulet/MT960101	80.55	49.95	95.6	1.3	186.44	29.39	12.19	12.33
MT080077	Coors/Kendall	74.54	48.46	93.2	2.2	184.98	26.80	12.24	11.77
MT080081	Coors/Metcalfe	78.26	48.24	92.3	2.6	185.08	27.04	12.36	11.29
MT080083	Coors/Metcalfe	82.98	48.32	93.1	2.4	184.51	26.07	12.26	10.62
MT080084	Coors/Metcalfe	85.88	48.06	91.8	2.9	186.20	24.80	12.65	11.19
MT080085	Coors/Metcalfe	83.38	49.81	92.6	2.6	186.62	28.77	12.46	10.24
EM090130	03021-35	83.81	49.08	95.6	1.4	193.25	25.40	12.36	11.19
EM090134	03021-74	77.99	48.64	96.3	1.3	186.13	28.69	12.85	11.67
MT080100	Karma	42.43	59.41	92.2	2.7	180.36	32.42	14.07	11.54
MT080172	Klages/Stratus	75.31	47.90	93.6	1.5	185.41	30.77	13.01	9.78
MT080179	Metcalfe/MT990106	70.90	49.84	97.4	0.9	181.39	34.19	13.08	11.74
MT080243	MT960101/MT981210	82.00	48.89	92.8	2.2	184.64	30.76	12.57	10.22
MT080261	MT970026/MT981091	77.51	50.06	92.7	2.4	178.87	29.73	12.55	10.75
MT080274	MT970148/Conlon	87.52	50.11	97.4	0.9	181.24	29.93	12.33	11.88
MT080277	MT970148/Merit	73.13	49.09	93.6	2.0	182.59	28.08	12.20	9.96
MT080279	MT970148/MT970116	83.51	50.23	95.0	1.6	184.95	28.36	12.13	12.05
MT080281	MT970148/MT970116	80.42	49.47	91.9	2.7	184.00	28.39	12.17	10.50
MT080283	MT970148/MT970116	92.93	50.53	96.2	1.1	183.74	28.53	12.32	12.02
MT080284	MT970148/MT970116	82.90	49.80	94.7	1.6	183.82	26.90	12.27	10.12
MT080285	MT970148/MT970116	86.90	50.33	96.5	1.0	186.52	27.94	12.86	10.75
MT910189	Hockett	77.66	51.20	97.2	1.0	180.27	28.92	12.12	12.15
MT950186	Haxby	51.58	50.66	93.9	2.0	179.71	31.29	11.90	11.52

2010 Spring Barley Dryland Intrastate **Havre**

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (1 rep)	Thin % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Miosture % (adj)
MT960101	Geraldine	93.26	49.34	92.3	2.9	188.70	27.33	12.68	11.99
MT970116	Craft	37.36	50.60	97.3	0.8	179.40	33.97	12.54	11.30
PI568246	Baronesse	89.39	49.44	94.9	1.6	187.30	27.91	11.81	11.16
PI643354	Pinnacle	76.07	49.64	96.9	1.3	179.99	31.27	11.99	10.91
SK 76333	Harrington	82.47	49.16	95.7	1.3	183.56	32.59	12.45	11.91
TR232	Metcalfe	77.85	48.26	92.0	2.6	182.65	30.17	13.01	11.38
COPELAND	Copeland	77.00	48.43	94.8	1.7	185.72	32.90	13.01	10.43
SCARLETT	Scarlett	83.20	48.92	95.5	1.3	183.88	26.94	12.22	9.45
Mean		74.30	49.87	95.44	1.46	183.81	29.39	12.44	11.13

	Yield	Test Wt	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	824.18	3.46	16.97	65.99	26.85	1.36
Treatment Sum of Squares	47168	457.50	1749.92	1237.16	56.49	86.03
Treatment Degrees of Freedom	63	63	63	63	63	63
Error Mean Square (RCB)	119.92	0.37	2.11	3.63	0.60	1.54
Error Degrees of Freedom	105	105	105	105	105	105
Intra Block Error Mean Square	119.58	0.30	1.98	3.16	0.33	1.44
Adjusted Treatment Mean Square	121.61	0.75	2.79	5.96	1.94	2.02
Coefficient of Variation	12.69	0.78	1.04	3.28	1.63	3.60
F ratio for Treatment	5.38	20.93	12.52	5.45	1.99	1.12
Total Sum of Squares	63102	507.81	2033.25	1760.32	153.84	281.14
Lsd (.05) 2 Means in Same Block	17.67	0.93	2.27	2.99	0.99	1.94
Efficiency of Design Rel to RCB	100.00	113.81	101.90	106.41	159.06	101.84

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Thin % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	74.66	48.50	88.00	3.00	179.47	23.23	11.49	10.82
6B952482	Tradition	72.35	50.50	93.00	1.00	177.90	25.35	11.45	10.50
MT010158	Amsterdam	64.88	52.00	94.00	1.00	178.67	20.10	12.14	10.20
MT010160	MT920041/Harrington	61.58	52.50	94.00	1.00	179.36	23.50	10.41	10.32
MT020155	MT960225/H1851195	80.25	51.50	92.00	2.00	176.07	24.41	10.55	10.24
MT020162	MT960225/H1851195	75.38	50.50	89.00	3.00	179.94	25.04	11.60	10.65
MT020167	MT960225/H3860224	72.25	53.50	95.00	1.00	178.46	24.84	12.24	10.89
MT020204	MTLB 32/H1851195	77.70	53.50	94.00	1.00	177.09	23.62	11.88	10.75
MT020205	MTLB 32/H1851195	81.75	53.00	94.00	2.00	177.29	24.59	11.33	10.77
MT030042	MT910189/MT960099	71.90	52.00	86.00	4.00	177.65	21.33	10.68	10.78
MT030063	MT950155/Harrington	66.48	53.00	95.00	1.00	179.96	25.34	11.44	10.62
MT030079	MT950186/MT960225	70.76	53.00	90.00	3.00	178.05	23.71	11.41	10.59
MT040073	MT960045/Harrington	71.34	52.50	87.00	4.00	179.52	22.97	10.78	10.78
MT040209	MT960228/MT950186	74.67	51.50	84.00	3.00	179.19	21.49	10.76	10.74
MT050030	GS 1750/Bearpaw	70.39	52.50	95.00	0.00	179.52	23.17	11.31	10.71
MT050062	Harrington/MT960225	80.21	53.50	96.00	0.00	181.07	27.05	10.96	10.64
MT061032	Baronesse/MT981210	75.71	52.50	95.00	0.00	179.30	24.59	11.48	10.40
MT061035	Baronesse/MT981210	74.31	52.00	93.00	1.00	178.70	23.50	11.12	10.74
EM090117	03013-25	75.67	50.50	92.00	1.00	182.86	21.41	11.67	10.79
EM090128	03021-03	76.75	51.00	91.00	1.00	181.93	21.30	10.76	10.75
MT061104	Harrington/MT970229	82.92	51.00	95.00	1.00	178.17	24.46	11.05	10.58
MT061169	MT960101/Coors 37	66.36	52.50	93.00	2.00	179.78	21.62	11.58	10.37
MT070063	MT010178/MT970116	63.26	52.00	93.00	2.00	178.13	24.52	11.08	10.55
MT070086	MT970148/Coors 37	68.17	51.50	94.00	1.00	180.89	18.07	13.06	10.84
MT070111	MT010178/Harrington	76.10	51.50	91.00	2.00	177.81	27.02	10.99	10.88
MT070125	MT981210/MT970116	80.13	52.50	94.00	1.00	180.10	26.91	11.34	10.90
MT070148	MT990172/Metcalfe	72.00	52.50	98.00	0.00	178.96	23.19	11.56	10.61
MT070156	MT970148/Klages	69.12	49.50	85.00	4.00	178.74	23.05	11.31	10.44
MT070157	MT970148/Klages	67.19	52.50	94.00	1.00	178.58	23.28	11.11	10.62
MT070158	MT970148/Klages	75.78	52.50	95.00	1.00	178.71	22.29	11.81	10.79
MT070159	MT970148/Klages	61.67	51.50	91.00	1.00	178.55	22.50	10.75	10.48
MT070161	MT970148/Klages	78.05	53.00	96.00	1.00	177.49	20.25	11.76	10.68
MT070175	LK644///Hockett F5	73.18	51.50	95.00	1.00	179.12	23.03	10.17	10.71
MT080001	Amulet/Metcalfe	72.17	52.00	93.00	0.00	179.84	22.87	11.84	10.62
MT080017	Amulet/MT960101	75.82	52.50	95.00	1.00	181.72	23.51	10.89	10.75
MT080077	Coors/Kendall	71.29	53.00	98.00	0.00	180.70	21.05	11.98	10.63
MT080081	Coors/Metcalfe	64.59	51.50	93.00	2.00	180.67	22.38	11.58	10.38
MT080083	Coors/Metcalfe	61.21	51.50	94.00	1.00	180.51	23.19	12.55	10.65
MT080084	Coors/Metcalfe	65.37	52.50	96.00	1.00	179.72	22.24	12.26	10.85
MT080085	Coors/Metcalfe	85.03	51.50	85.00	4.00	179.28	25.27	11.72	11.08
EM090130	03021-35	68.34	51.00	95.00	1.00	182.84	22.54	11.35	10.96
EM090134	03021-74	58.16	52.00	97.00	0.00	181.62	24.44	11.29	10.58
MT080100	Karma	42.26	62.00	94.00	0.00	178.09	27.54	14.07	10.61
MT080172	Klages/Stratus	70.53	50.00	89.00	2.00	178.07	22.00	10.56	10.51
MT080179	Metcalfe/MT990106	65.67	52.50	96.00	0.00	178.53	21.98	12.71	10.63
MT080243	MT960101/MT981210	71.74	51.00	87.00	2.00	179.06	24.95	12.13	10.86
MT080261	MT970026/MT981091	73.33	52.00	88.00	3.00	177.20	23.79	10.98	10.54
MT080274	MT970148/Conlon	73.62	52.00	91.00	2.00	177.36	20.56	10.05	10.77
MT080277	MT970148/Merit	64.38	51.00	93.00	1.00	179.29	22.36	10.93	10.84
MT080279	MT970148/MT970116	70.16	49.50	83.00	4.00	179.07	22.01	12.19	10.51
MT080281	MT970148/MT970116	76.19	52.00	92.00	2.00	178.35	21.69	11.54	10.64
MT080283	MT970148/MT970116	69.99	50.00	90.00	2.00	179.09	20.80	11.30	10.73
MT080284	MT970148/MT970116	74.25	50.00	84.00	3.00	177.61	21.30	10.91	10.55
MT080285	MT970148/MT970116	61.27	53.50	96.00	1.00	179.20	20.32	11.05	10.47

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Thin % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT910189	Hockett	75.52	50.50	88.00	2.00	177.09	23.92	10.88	10.57
MT950186	Haxby	69.97	54.00	92.00	1.00	177.87	20.61	10.04	10.90
MT960101	Geraldine	63.69	49.00	82.00	5.00	181.29	23.01	12.71	10.50
MT970116	Craft	68.20	52.00	94.00	1.00	178.30	26.15	11.87	10.59
PI568246	Baronesse	79.26	53.00	91.00	1.00	179.38	22.99	11.86	10.74
PI643354	Pinnacle	72.95	51.50	95.00	1.00	177.26	22.51	10.06	10.87
SK 76333	Harrington	67.91	50.00	91.00	2.00	179.28	24.05	10.81	10.59
TR232	Metcalfe	68.24	50.50	89.00	2.00	178.22	26.46	10.52	10.38
COPELAND	Copeland	73.33	49.50	92.00	1.00	178.61	25.52	10.82	10.39
SCARLETT	Scarlett	68.74	49.00	90.00	4.00	181.54	21.25	9.57	10.74
Mean		71.03	51.80	91.94	1.61	179.12	23.19	11.34	10.65

	Yield	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	36923	120.82	734.72	1.53	26.12
Treatment Sum of Squares	14354	379.58	892.07	141.11	10.23
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	162.20	1.03	6.78	0.73	0.12
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	66.73	0.74	4.31	0.38	0.06
Adjusted Treatment Mean Square	639.51	2.47	19.10	2.51	0.43
Coefficient of Variation	9.69	0.64	4.31	1.83	0.75
F ratio for Treatment	1.87	7.88	2.34	4.39	1.32
Total Sum of Squares	71714	630.24	2480.92	235.15	51.72
Lsd (.05) 2 Means in Same Block	14.18	1.47	3.57	1.07	0.42
Efficiency of Design Rel to RCB	211.48	124.37	139.17	169.39	178.37

2010 Spring Barley Irrigated Intrastate **Sidney**

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Thin % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	106.56	50.00	90.00	1.00	182.68	26.92	13.57	10.63
6B952482	Tradition	101.25	46.50	82.00	2.00	180.70	29.29	12.56	10.92
MT010158	Amsterdam	83.40	47.50	85.00	3.00	182.33	26.11	12.99	10.69
MT010160	MT920041/Harrington	90.82	49.50	84.00	3.00	182.31	29.92	12.85	10.82
MT020155	MT960225/H1851195	113.45	48.50	82.00	4.00	180.34	28.82	12.03	11.36
MT020162	MT960225/H1851195	101.81	49.50	88.00	1.00	183.01	30.50	12.61	11.21
MT020167	MT960225/H3860224	107.59	51.00	92.00	1.00	182.00	29.89	13.29	11.11
MT020204	MTLB 32/H1851195	103.55	49.50	80.00	4.00	180.98	28.22	12.97	10.97
MT020205	MTLB 32/H1851195	108.92	49.00	83.00	3.00	181.30	28.94	13.23	11.08
MT030042	MT910189/MT960099	101.84	50.50	90.00	2.00	181.36	27.11	11.78	11.18
MT030063	MT950155/Harrington	102.35	50.00	89.00	2.00	183.32	30.80	12.64	11.16
MT030079	MT950186/MT960225	106.40	51.00	91.00	1.00	181.66	29.06	12.45	11.00
MT040073	MT960045/Harrington	110.87	52.00	89.00	2.00	181.34	29.11	13.03	11.11
MT040209	MT960228/MT950186	117.24	49.50	88.00	2.00	182.35	28.98	12.47	10.86
MT050030	GS 1750/Bearpaw	117.21	49.50	89.00	2.00	182.69	28.53	11.74	11.45
MT050062	Harrington/MT960225	106.56	51.00	90.00	2.00	182.67	30.75	11.72	10.78
MT061032	Baronesse/MT981210	116.14	50.50	89.00	2.00	182.67	27.15	13.00	10.93
MT061035	Baronesse/MT981210	110.32	50.00	88.00	3.00	182.98	28.66	12.88	11.04
EM090117	03013-25	94.34	48.00	91.00	0.00	184.01	27.63	13.71	10.96
EM090128	03021-03	112.93	49.00	86.00	2.00	183.00	26.21	13.16	11.06
MT061104	Harrington/MT970229	107.24	49.00	88.00	3.00	181.99	28.97	13.36	10.97
MT061169	MT960101/Coors 37	110.89	49.00	89.00	2.00	182.65	26.72	13.27	11.16
MT070063	MT010178/MT970116	101.81	50.00	87.00	2.00	181.34	30.09	13.09	10.97
MT070086	MT970148/Coors 37	92.30	48.50	87.00	1.00	181.31	28.14	13.11	10.85
MT070111	MT010178/Harrington	99.01	50.00	89.00	3.00	182.33	30.24	13.00	11.32
MT070125	MT981210/MT970116	111.61	51.00	90.00	2.00	183.02	29.08	12.60	11.07
MT070148	MT990172/Metcalfe	108.80	49.50	95.00	0.00	181.32	28.78	13.50	10.95
MT070156	MT970148/Klages	113.59	50.00	89.00	2.00	180.99	28.23	12.86	11.08
MT070157	MT970148/Klages	105.22	49.50	91.00	1.00	181.34	27.51	13.00	10.92
MT070158	MT970148/Klages	101.59	50.00	93.00	1.00	181.35	28.53	12.74	11.11
MT070159	MT970148/Klages	111.12	50.50	91.00	1.00	181.67	28.27	12.68	11.30
MT070161	MT970148/Klages	105.09	49.50	90.00	2.00	181.03	26.62	12.71	11.72
MT070175	LK644///Hockett F5	100.31	50.00	91.00	1.00	181.96	29.49	11.36	10.91
MT080001	Amulet/Metcalfe	105.27	52.00	91.00	1.00	182.98	26.26	13.78	11.11
MT080017	Amulet/MT960101	108.75	50.00	90.00	1.00	183.68	28.61	11.91	10.94
MT080077	Coors/Kendall	104.97	49.00	89.00	2.00	182.63	27.52	13.82	10.87
MT080081	Coors/Metcalfe	100.34	49.00	88.00	2.00	182.00	25.52	13.81	11.15
MT080083	Coors/Metcalfe	108.85	48.00	85.00	2.00	182.36	28.53	13.62	10.97
MT080084	Coors/Metcalfe	102.79	50.00	88.00	1.00	182.65	27.45	13.51	11.41
MT080085	Coors/Metcalfe	114.10	51.00	93.00	0.00	182.99	28.24	13.48	10.96
EM090130	03021-35	103.29	50.00	89.00	1.00	184.00	27.40	13.33	11.08
EM090134	03021-74	92.09	48.00	86.00	1.00	183.00	29.39	13.67	10.97
MT080100	Karma	44.49	57.50	88.00	2.00	182.64	31.14	16.38	10.24
MT080172	Klages/Stratus	102.56	48.50	87.00	2.00	182.32	28.69	12.92	11.24
MT080179	Metcalfe/MT990106	105.31	51.00	94.00	0.00	181.34	30.19	13.58	10.96
MT080243	MT960101/MT981210	108.49	50.50	91.00	1.00	182.67	29.51	13.08	10.96
MT080261	MT970026/MT981091	101.78	48.00	77.00	5.00	181.02	27.33	12.80	11.04
MT080274	MT970148/Conlon	113.84	50.00	90.00	1.00	180.64	27.67	11.94	11.34
MT080277	MT970148/Merit	105.91	48.50	88.00	2.00	181.67	29.02	12.57	11.29
MT080279	MT970148/MT970116	107.55	49.50	90.00	1.00	181.66	27.47	12.43	11.20

2010 Spring Barley Irrigated Intrastate **Sidney**

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (1 rep)	Plump % (1 rep)	Thin % (1 rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT080281	MT970148/MT970116	104.14	48.00	89.00	2.00	180.67	26.71	12.27	11.09
MT080283	MT970148/MT970116	111.09	49.50	91.00	2.00	181.67	26.85	12.81	11.35
MT080284	MT970148/MT970116	107.53	48.50	90.00	1.00	181.32	28.77	12.65	11.20
MT080285	MT970148/MT970116	113.83	50.00	92.00	1.00	181.67	26.44	13.01	11.11
MT910189	Hockett	103.56	50.00	88.00	2.00	182.03	30.25	11.99	10.83
MT950186	Haxby	115.45	52.00	90.00	2.00	180.68	28.37	12.66	11.46
MT960101	Geraldine	107.12	49.00	83.00	4.00	183.31	27.42	12.85	10.80
MT970116	Craft	109.62	51.00	91.00	2.00	181.99	31.27	12.36	11.09
PI568246	Baronesse	114.46	51.00	92.00	1.00	182.34	28.22	12.78	10.96
PI643354	Pinnacle	102.39	49.50	94.00	0.00	180.67	28.30	11.37	10.78
SK 76333	Harrington	106.05	50.00	91.00	1.00	181.99	30.92	12.34	10.86
TR232	Metcalfe	108.89	50.00	91.00	1.00	182.32	30.91	13.24	10.89
COPELAND	Copeland	111.31	49.50	93.00	0.00	183.03	30.30	11.75	11.17
SCARLETT	Scarlett	100.65	50.00	93.00	0.00	182.99	28.93	13.15	11.05
Mean		105.13	49.80	88.88	1.67	182.08	28.55	12.87	11.05

	Yield	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	11.42	2.84	3.85	4.05	12.91
Treatment Sum of Squares	20056	145.83	377.89	109.62	17.09
Treatment Degrees of Freedom	63	63	63	63	63
Error Mean Square (RCB)	39.95	0.25	2.89	0.14	0.18
Error Degrees of Freedom	105	105	105	105	105
Intra Block Error Mean Square	34.13	0.25	2.47	0.11	0.08
Adjusted Treatment Mean Square	69.07	0.22	5.01	0.32	0.65
Coefficient of Variation	5.70	0.37	2.94	0.92	0.85
F ratio for Treatment	7.74	8.17	2.14	14,27	1.39
Total Sum of Squares	25102	179.83	746.48	131.50	52.40
Lsd (.05) 2 Means in Same Block	9.85	0.81	2.65	0.56	0.50
Efficiency of Design Rel to RCB	107.96	97.80	108.03	119.58	185.35

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt (2 reps)	Plump % (1 rep)	Thin % (1rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
2B965057	Conrad	63.11	51.29	98.50	0.30	183.66	24.80	11.40	12.40
6B952482	Tradition (B	54.50	50.53	89.80	1.00	180.37	30.54	9.90	11.40
MT010158	Amsterdam	61.92	51.58	91.40	1.80	181.61	27.83	12.00	11.20
MT010160	MT920041/Harrington	66.27	51.88	87.50	2.60	182.34	28.46	10.00	11.60
MT020155	MT960225/H1851195	62.32	52.80	93.30	1.50	179.99	28.49	10.80	11.00
MT020162	MT960225/H1851195	64.01	51.63	90.40	1.70	184.36	26.51	9.20	11.50
MT020167	MT960225/H3860224	62.64	53.36	92.40	1.30	182.32	27.12	9.80	11.80
MT020204	MTLB 32/H1851195	63.33	52.65	92.40	1.60	180.66	27.09	8.60	11.70
MT020205	MTLB 32/H1851195	61.63	52.84	96.40	0.60	180.98	28.28	12.10	11.80
MT030042	MT910189/MT960099	60.00	53.63	94.80	1.30	182.70	26.14	10.80	11.60
MT030063	MT950155/Harrington	71.72	53.65	97.50	0.50	181.60	29.36	11.90	12.40
MT030079	MT950186/MT960225	63.11	52.49	90.10	1.70	181.69	27.07	8.90	11.50
MT040073	MT960045/Harrington	57.97	53.21	89.00	1.50	183.71	25.46	9.60	11.40
MT040209	MT960228/MT950186	60.87	52.07	85.20	2.40	184.36	24.86	9.40	11.30
MT050030	GS 1750/Bearpaw	65.98	52.66	94.90	0.90	183.71	27.47	9.60	11.60
MT050062	Harrington/MT960225	63.67	52.80	96.70	0.90	183.96	29.47	10.20	11.40
MT061032	Baronesse/MT981210	58.87	50.93	90.30	1.70	183.68	23.34	8.70	11.40
MT061035	Baronesse/MT981210	59.57	51.22	92.10	0.50	185.32	25.19	11.30	11.60
EM090117	03013-25	59.01	50.16	93.70	1.50	189.62	21.79	9.00	11.50
EM090128	03021-03	63.30	52.63	89.10	1.90	186.69	23.39	9.80	11.60
MT061104	Harrington/MT970229	58.03	52.05	97.00	0.80	183.06	27.70	9.90	11.30
MT061169	MT960101/Coors 37	62.91	53.17	96.30	0.80	184.32	24.56	9.70	11.50
MT070063	MT010178/MT970116	58.47	51.86	94.50	1.20	181.96	30.69	9.60	12.00
MT070086	MT970148/Coors 37	56.30	51.60	96.30	0.60	188.36	19.51	10.20	11.10
MT070111	MT010178/Harrington	62.97	52.08	57.10	9.00	182.95	25.92	9.20	11.50
MT070125	MT981210/MT970116	67.13	51.78	92.40	1.40	183.34	29.05	10.60	10.80
MT070148	MT990172/Metcalfe	68.34	50.91	92.80	1.20	182.66	25.67	9.20	11.50
MT070156	MT970148/Klages	65.04	52.06	89.40	1.50	183.05	25.40	9.50	11.10
MT070157	MT970148/Klages	59.12	53.05	86.40	3.00	183.07	25.59	8.80	11.50
MT070158	MT970148/Klages	62.21	53.25	93.30	1.30	183.00	24.40	10.30	11.60
MT070159	MT970148/Klages	58.75	52.52	92.90	1.50	182.66	23.77	9.60	11.60
MT070161	MT970148/Klages	64.33	53.81	91.30	1.30	181.67	24.73	9.10	11.50
MT070175	LK644///Hockett F5	64.56	52.90	97.30	0.80	181.30	29.14	9.40	12.00
MT080001	Amulet/Metcalfe	58.69	52.77	97.90	0.50	185.66	23.06	13.00	12.50
MT080017	Amulet/MT960101	60.54	52.21	93.20	1.10	184.66	27.55	8.70	11.60
MT080077	Coors/Kendall	45.18	52.55	95.90	0.90	185.38	23.81	11.90	11.20
MT080081	Coors/Metcalfe	49.48	52.16	98.40	0.40	186.30	22.92	11.30	11.80
MT080083	Coors/Metcalfe	59.09	52.68	97.90	0.60	184.99	24.84	13.10	11.80
MT080084	Coors/Metcalfe	43.94	52.82	98.00	0.40	186.34	23.45	12.60	10.70
MT080085	Coors/Metcalfe	66.90	53.16	92.10	1.80	185.70	26.10	11.40	12.10
EM090130	03021-35	64.96	53.19	95.50	1.10	189.65	21.89	9.80	12.00
EM090134	03021-74	59.12	51.90	93.10	1.20	187.65	24.19	10.30	11.70
MT080100	Karma	42.65	62.50	1.00	98.00	183.36	31.12	12.30	12.10
MT080172	Klages/Stratus	65.34	52.66	78.70	4.60	181.68	29.68	11.90	11.20
MT080179	Metcalfe/MT990106	54.00	53.15	97.60	0.30	181.99	28.13	10.40	11.50
MT080243	MT960101/MT981210	60.45	50.99	72.50	4.20	183.68	26.99	8.70	11.50
MT080261	MT970026/MT981091	64.52	52.93	91.20	2.50	180.67	28.88	12.20	12.30
MT080274	MT970148/Conlon	67.62	53.93	96.40	0.50	181.99	26.98	8.90	11.60
MT080277	MT970148/Merit	62.64	51.99	82.70	2.90	182.67	25.53	9.90	11.50
MT080279	MT970148/MT970116	70.26	52.33	93.40	1.40	182.99	26.03	10.30	11.50
MT080281	MT970148/MT970116	62.90	51.78	94.70	1.40	183.28	24.60	8.80	11.80
MT080283	MT970148/MT970116	67.16	51.86	94.30	1.00	182.29	25.09	9.30	11.70

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt (2 reps)	Plump % (1 rep)	Thin % (1rep)	Heading Date (adj)	Plant Ht in (adj)	Protein % (1 rep)	Moisture % (1 rep)
MT080284	MT970148/MT970116	63.54	51.95	93.70	1.30	183.04	24.44	9.50	11.40
MT080285	MT970148/MT970116	59.41	51.11	87.40	2.30	186.35	23.01	8.80	11.50
MT910189	Hockett	60.48	53.80	91.60	1.50	181.37	27.60	9.60	11.40
MT950186	Haxby	56.86	53.58	90.60	1.50	181.69	26.14	9.60	11.70
MT960101	Geraldine	55.02	52.11	91.80	1.30	187.39	23.81	9.30	11.70
MT970116	Craft	56.70	53.26	97.60	0.60	180.63	30.89	11.00	12.00
PI568246	Baronesse	61.25	51.48	95.70	0.80	185.33	23.67	10.50	11.70
PI643354	Pinnacle	60.80	51.78	98.20	0.60	181.97	26.02	9.40	13.10
SK 76333	Harrington	64.26	51.61	91.10	1.60	184.26	28.50	9.10	11.40
TR232	Metcalfe	67.53	53.15	91.70	1.90	181.62	29.53	10.50	11.60
COPELAND	Copeland	59.62	51.38	91.80	1.70	184.70	28.49	9.00	11.90
SCARLETT	Scarlett	60.68	51.44	94.20	0.80	187.36	21.31	9.60	11.20
Mean		60.99	52.49	90.66	3.00	183.61	26.14	10.14	11.62

	Yield	Heading Date	Plant Ht
Replication Sum of Squares	825.80	8.64	8.16
Treatment Sum of Squares	5741	930.81	1235.47
Treatment Degrees of Freedom	63	63	63
Error Mean Square (RCB)	56.92	1.27	2.60
Error Degrees of Freedom	105	105	105
Intra Block Error Mean Square	35.92	1.10	2.46
Adjusted Treatment Mean Square	161.92	1.26	3.28
Coefficient of Variation	7.67	0.77	3.07
F ratio for Treatment	2.29	12.10	7.01
Total Sum of Squares	13739	1081.48	1571.10
Lsd (.05) 2 Means in Same Block	10.31	1.70	2.54
Efficiency of Design Rel to RCB	140.26	100.29	101.32

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	86.53	51.01	94.14	2.33	168.36	33.92	9.67	10.80
6B952482	Tradition	88.42	48.47	89.51	2.84	165.96	37.85	9.90	10.06
MT010158	Amsterdam	87.92	51.13	93.28	2.32	168.70	33.85	10.29	10.66
MT010160	MT920041/Harrington	89.44	51.71	92.22	2.53	168.65	38.04	9.68	10.82
MT020155	MT960225/H1851195	97.32	50.31	89.54	3.89	166.98	38.32	9.87	10.47
MT020162	MT960225/H1851195	83.70	51.19	90.24	3.72	170.35	35.17	9.99	10.63
MT020167	MT960225/H3860224	93.90	51.77	94.91	1.85	168.38	37.07	9.59	10.79
MT020204	MTLB 32/H1851195	83.49	51.89	91.18	3.36	165.00	35.38	9.72	10.62
MT020205	MTLB 32/H1851195	83.75	51.66	91.62	3.72	166.65	37.63	10.06	10.64
MT030042	MT910189/MT960099	96.38	52.76	89.14	4.71	168.30	32.99	9.15	10.93
MT030063	MT950155/Harrington	90.45	51.42	93.13	2.72	170.35	37.19	9.59	10.50
MT030079	MT950186/MT960225	88.90	51.81	85.90	5.03	168.34	35.66	9.10	10.70
MT040073	MT960045/Harrington	84.10	51.75	88.63	4.51	166.05	36.07	10.33	10.65
MT040209	MT960228/MT950186	92.54	52.38	84.74	5.74	171.32	35.28	10.15	10.97
MT050030	GS 1750/Bearpaw	98.20	50.20	88.38	4.89	166.67	36.32	9.26	10.43
MT050062	Harrington/MT960225	87.19	52.13	90.86	2.84	166.34	38.11	9.11	10.72
MT061032	Baronesse/MT981210	109.30	49.48	77.70	8.41	169.67	33.34	9.46	10.68
MT061035	Baronesse/MT981210	101.72	49.56	81.97	6.66	168.98	33.95	9.09	10.62
EM090117	03013-25	86.51	49.08	83.82	6.21	172.07	30.28	9.91	10.75
EM090128	03021-03	87.91	48.64	63.27	16.33	172.32	29.14	9.81	10.66
MT061104	Harrington/MT970229	88.01	51.93	94.95	1.71	167.68	37.79	9.97	10.67
MT061169	MT960101/Coors 37	88.20	51.46	91.01	3.22	170.29	33.98	9.54	10.60
MT070063	MT010178/MT970116	85.61	51.85	92.38	2.45	166.68	38.46	9.51	10.70
MT070086	MT970148/Coors 37	84.79	48.39	75.78	9.69	168.69	25.98	9.31	10.73
MT070111	MT010178/Harrington	88.36	50.85	90.12	4.01	169.66	34.47	9.33	10.76
MT070125	MT981210/MT970116	91.94	51.95	92.43	2.91	170.00	37.13	9.89	10.59
MT070148	MT990172/Metcalfe	90.24	51.07	94.21	2.41	168.67	35.63	10.30	10.80
MT070156	MT970148/Klages	96.11	50.87	91.43	3.38	169.68	34.64	9.86	10.64
MT070157	MT970148/Klages	102.77	51.30	93.30	2.75	170.32	34.85	9.90	10.67
MT070158	MT970148/Klages	93.59	50.86	94.05	2.54	170.65	33.20	9.71	10.56
MT070159	MT970148/Klages	94.31	50.64	92.29	3.11	166.65	32.65	9.53	10.73
MT070161	MT970148/Klages	90.98	50.98	95.24	2.06	169.33	33.60	9.60	10.63
MT070175	LK644///Hockett F5	82.82	50.04	87.61	5.90	167.96	37.90	9.60	10.49
MT080001	Amulet/Metcalfe	78.40	49.46	90.13	3.22	168.04	27.59	9.58	10.85
MT080017	Amulet/MT960101	97.93	51.36	94.36	2.14	169.31	37.34	9.86	10.69
MT080077	Coors/Kendall	83.15	49.26	83.34	6.71	170.96	30.90	9.74	10.64
MT080081	Coors/Metcalfe	85.02	48.89	82.06	7.02	171.35	30.96	9.74	10.60
MT080083	Coors/Metcalfe	89.38	49.31	85.38	5.50	171.72	30.35	9.76	10.57
MT080084	Coors/Metcalfe	86.85	48.53	80.19	7.51	170.70	30.94	9.96	10.48
MT080085	Coors/Metcalfe	93.34	52.00	86.19	5.20	171.32	32.93	9.75	10.71
EM090130	03021-35	84.43	50.22	80.39	9.12	173.39	28.78	10.11	10.83
EM090134	03021-74	72.72	47.69	79.29	8.96	173.65	31.17	9.83	10.62
MT080100	Karma	41.03	59.12	78.13	7.56	168.64	38.78	14.68	11.80
MT080172	Klages/Stratus	91.30	48.98	79.73	6.39	168.01	37.75	10.26	10.13
MT080179	Metcalfe/MT990106	83.88	51.38	94.10	1.95	165.32	38.06	10.23	10.57
MT080243	MT960101/MT981210	89.39	50.50	84.15	6.00	168.98	36.81	9.49	10.74
MT080261	MT970026/MT981091	76.30	51.69	88.25	4.77	165.68	34.56	10.04	10.59
MT080274	MT970148/Conlon	104.38	50.92	95.70	1.71	166.65	33.74	9.41	10.60
MT080277	MT970148/Merit	92.58	50.29	87.15	5.07	171.96	32.30	9.84	10.61
MT080279	MT970148/MT970116	95.35	50.32	88.88	4.20	171.35	32.82	9.14	10.68
MT080281	MT970148/MT970116	95.04	50.15	90.85	3.21	170.95	31.61	9.17	10.61
MT080283	MT970148/MT970116	98.21	50.48	90.03	3.73	167.05	32.46	9.42	10.53
MT080284	MT970148/MT970116	103.09	50.68	89.77	3.88	168.67	33.16	9.36	10.64
MT080285	MT970148/MT970116	108.42	50.04	90.52	3.37	169.04	31.32	9.40	10.62

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT910189	Hockett	88.34	52.01	94.59	2.03	165.33	36.09	9.98	10.80
MT950186	Haxby	86.85	52.06	90.97	2.80	166.99	36.72	10.09	10.55
MT960101	Geraldine	95.82	51.04	83.16	6.34	171.32	35.13	9.76	10.75
MT970116	Craft	84.95	52.10	93.46	2.45	165.00	38.30	10.28	10.24
PI568246	Baronesse	102.77	49.93	86.08	4.84	170.67	34.91	9.08	10.59
PI643354	Pinnacle	89.87	50.70	94.33	2.45	166.01	36.95	9.14	10.54
SK 76333	Harrington	82.45	50.89	91.77	3.07	169.29	34.36	10.12	10.67
TR232	Metcalfe	87.35	49.97	90.91	3.42	167.65	35.12	9.89	10.50
COPELAND	Copeland	91.56	49.68	93.43	1.68	167.65	38.34	9.56	10.48
SCARLETT	Scarlett	80.42	49.68	88.17	4.07	172.00	29.27	10.20	10.45
Mean		89.62	50.78	88.51	4.39	168.91	34.46	9.79	10.65

	Yield	Test Wt	Plump %	Thin %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	1125.26	50.18	1769.05	314.81	26.95	41.88	15.36	1.03
Treatment Sum of Squares	17089	472.94	6309.28	1102.06	878.16	1734.70	105.57	8.68
Treatment Degrees of Freedom	63	63	63	63	63	63	63	63
Error Mean Square (RCB)	61.58	0.53	19.75	5.74	4.26	2.19	0.18	0.02
Error Degrees of Freedom	105	105	105	105	105	105	105	105
Intra Block Error Mean Square	55.06	0.49	14.84	4.56	4.30	2.02	0.11	0.02
Adjusted Treatment Mean Square	94.17	0.74	44.26	11.62	4.06	3.06	0.48	0.01
Coefficient of Variation	7.84	0.98	4.09	10.19	1.60	2.42	1.06	0.43
F ratio for Treatment	4.59	12.84	6.22	3.72	2.77	10.94	11.47	6.08
Total Sum of Squares	25973	590.27	10566	2140.07	1441.49	2052.72	142.99	12.14
Lsd (.05) 2 Means in Same Block	11.99	1.13	6.57	3.63	3.35	2.30	0.58	0.23
Efficiency of Design Rel to RCB	104.60	102.80	119.77	114.20	99.10	102.78	136.93	95.25

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	130.05	53.00	91.25	4.59	170.00	37.56	11.90	12.43
6B952482	Tradition	116.56	52.20	93.36	2.26	165.38	39.85	11.39	11.89
MT010158	Amsterdam	115.55	52.70	91.26	4.19	169.23	36.92	11.86	12.01
MT010160	MT920041/Harrington	119.50	53.07	86.06	6.70	169.73	38.53	12.21	12.26
MT020155	MT960225/H1851195	127.69	52.41	86.04	7.68	164.71	38.65	11.56	12.10
MT020162	MT960225/H1851195	120.65	53.14	89.81	5.03	170.04	37.09	11.61	12.03
MT020167	MT960225/H3860224	120.70	53.74	92.87	3.91	169.60	37.39	11.65	12.21
MT020204	MTLB 32/H1851195	119.31	53.69	89.12	5.49	165.09	39.12	11.56	11.86
MT020205	MTLB 32/H1851195	127.15	52.74	85.60	8.45	165.27	38.46	12.49	12.30
MT030042	MT910189/MT960099	130.29	54.01	87.28	6.88	166.60	35.32	10.63	12.40
MT030063	MT950155/Harrington	114.93	53.25	91.67	4.14	169.00	39.48	11.11	12.01
MT030079	MT950186/MT960225	121.28	54.33	93.06	3.11	169.64	38.02	10.94	12.33
MT040073	MT960045/Harrington	102.32	53.20	86.83	6.27	168.77	38.18	12.68	11.99
MT040209	MT960228/MT950186	119.61	52.86	82.93	7.83	170.30	38.58	11.55	12.77
MT050030	GS 1750/Bearpaw	125.14	52.97	91.73	3.88	168.72	39.53	10.81	11.97
MT050062	Harrington/MT960225	123.23	54.27	93.25	3.20	170.73	42.16	10.15	12.39
MT061032	Baronesse/MT981210	133.73	52.57	88.63	5.73	170.94	35.69	11.23	12.27
MT061035	Baronesse/MT981210	129.12	52.98	90.37	4.61	170.34	36.25	10.75	12.23
EM090117	03013-25	124.61	53.00	95.72	1.70	175.05	33.76	11.68	12.39
EM090128	03021-03	132.02	52.56	92.24	3.16	173.60	32.33	10.99	12.47
MT061104	Harrington/MT970229	125.69	53.66	92.88	3.25	165.63	38.77	11.49	12.10
MT061169	MT960101/Coors 37	122.11	53.09	89.85	5.13	171.00	36.89	11.82	12.13
MT070063	MT010178/MT970116	116.75	53.39	88.46	5.68	166.30	83.86	11.36	12.41
MT070086	MT970148/Coors 37	141.52	52.43	90.79	4.44	171.70	27.65	10.41	12.16
MT070111	MT010178/Harrington	113.56	53.01	88.72	5.69	170.33	38.84	11.08	12.00
MT070125	MT981210/MT970116	119.97	53.35	91.76	4.36	168.29	36.16	11.13	12.14
MT070148	MT990172/Metcalfe	130.59	54.05	96.81	1.58	168.28	36.81	11.27	12.07
MT070156	MT970148/Klages	135.18	53.18	92.41	4.33	167.69	37.63	10.55	12.13
MT070157	MT970148/Klages	126.85	53.42	92.49	4.36	168.33	35.53	10.84	12.06
MT070158	MT970148/Klages	136.85	53.12	91.43	4.69	168.60	35.66	10.91	12.14
MT070159	MT970148/Klages	135.49	52.74	89.82	6.04	169.30	36.28	11.00	11.91
MT070161	MT970148/Klages	137.12	53.53	92.19	4.81	167.71	33.60	10.76	12.13
MT070175	LK644///Hockett F5	120.72	52.37	91.61	4.39	167.72	40.88	10.22	12.26
MT080001	Amulet/Metcalfe	119.87	54.35	95.48	2.12	171.64	33.21	12.03	12.07
MT080017	Amulet/MT960101	128.08	54.44	95.03	2.13	172.10	40.19	11.01	12.47
MT080077	Coors/Kendall	124.11	52.99	94.78	2.51	173.29	33.61	10.98	12.17
MT080081	Coors/Metcalfe	121.17	52.77	93.03	3.53	174.01	35.95	11.62	11.93
MT080083	Coors/Metcalfe	119.59	52.91	94.57	2.78	172.34	34.50	11.27	12.13
MT080084	Coors/Metcalfe	121.97	53.10	94.31	2.56	173.62	35.83	11.52	12.11
MT080085	Coors/Metcalfe	129.02	54.12	92.79	3.46	171.71	35.51	10.75	13.00
EM090130	03021-35	136.11	54.27	94.25	2.52	175.66	29.77	11.09	12.00
EM090134	03021-74	120.68	52.79	90.89	3.93	173.99	34.60	11.20	12.27
MT080100	Karma	43.30	59.31	84.77	6.67	168.36	37.98	15.31	13.16
MT080172	Klages/Stratus	107.36	51.91	84.96	7.99	166.99	36.49	12.15	11.83
MT080179	Metcalfe/MT990106	110.45	53.16	94.19	2.42	167.65	40.66	11.36	12.11
MT080243	MT960101/MT981210	111.56	52.47	88.06	6.44	169.43	40.15	11.67	12.17
MT080261	MT970026/MT981091	120.16	52.30	84.97	9.38	166.07	35.17	11.81	11.83
MT080274	MT970148/Conlon	131.52	51.79	89.41	5.36	166.44	34.17	11.24	12.03
MT080277	MT970148/Merit	126.45	52.57	92.31	4.15	169.39	35.09	11.38	12.10
MT080279	MT970148/MT970116	135.38	52.53	89.51	5.25	168.22	34.74	10.83	11.97

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT080281	MT970148/MT970116	131.13	53.07	91.25	4.40	168.41	33.26	10.62	11.90
MT080283	MT970148/MT970116	141.25	53.03	92.09	4.14	168.28	31.52	10.56	12.04
MT080284	MT970148/MT970116	135.16	53.24	92.42	3.81	166.97	33.59	10.35	11.67
MT080285	MT970148/MT970116	125.55	53.34	94.24	3.01	167.99	33.59	10.24	11.96
MT910189	Hockett	116.46	53.43	92.73	4.07	165.69	37.49	11.38	12.23
MT950186	Haxby	115.22	53.01	90.49	4.45	166.99	39.30	11.70	12.07
MT960101	Geraldine	126.03	53.78	91.04	4.33	172.58	36.35	10.50	12.34
MT970116	Craft	109.74	54.03	92.45	3.59	167.35	42.21	11.50	11.90
PI568246	Baronesse	132.02	53.36	90.61	4.24	170.97	34.24	10.99	12.40
PI643354	Pinnacle	108.67	52.31	94.80	2.70	164.67	40.59	9.70	12.07
SK 76333	Harrington	124.85	52.53	89.49	4.63	170.30	39.31	11.29	12.11
TR232	Metcalfe	113.80	52.16	89.60	4.66	167.66	37.85	11.54	12.00
COPELAND	Copeland	118.95	51.74	88.72	5.44	169.98	42.78	10.82	11.73
SCARLETT	Scarlett	127.37	52.72	95.47	2.19	173.65	32.38	11.26	12.34
Mean		122.64	53.18	91.05	4.48	169.31	37.40	11.27	12.16

	Yield	Test Wt	Plump %	Thin %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	37.25	3.49	38.46	0.83	8.66	221.15	1.62	2.27
Treatment Sum of Squares	32473	191.29	1752.94	545.83	1347.92	8129.22	111.14	12.70
Treatment Degrees of Freedom	63	63	63	63	63	63	63	63
Error Mean Square (RCB)	55.45	0.28	5.00	1.73	0.69	95.44	0.20	0.07
Error Degrees of Freedom	105	105	105	105	105	105	105	105
Intra Block Error Mean Square	52.26	0.28	4.70	1.65	0.65	97.25	0.20	0.07
Adjusted Treatment Mean Square	71.38	0.26	6.59	2.15	0.86	86.39	0.22	0.06
Coefficient of Variation	6.53	0.73	2.27	6.07	0.62	16.13	1.33	0.76
F ratio for Treatment	8.82	9.53	5.18	4.46	28.60	1.20	8.06	2.76
Total Sum of Squares	39496	229.90	2422.24	764.98	1443.25	20375.00	138.18	23.45
Lsd (.05) 2 Means in Same Block	11.68	0.86	3.50	2,08	1.31	15.93	0.72	0.42
Efficiency of Design Rel to RCB	101.56	98.85	101.85	101.12	101.21	98.14	100.24	98.92

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	126.89	50.42	94.49	1.71	189.34	26.60	11.53	12.82
6B952482	Tradition	96.15	51.19	92.60	1.57	187.67	30.76	11.74	11.93
MT010158	Amsterdam	117.01	51.90	94.61	1.76	187.01	27.09	12.00	12.31
MT010160	MT920041/Harrington	120.00	52.61	91.82	2.90	188.00	29.68	11.25	12.17
MT020155	MT960225/H1851195	114.32	51.24	84.21	6.16	186.67	29.06	11.78	12.36
MT020162	MT960225/H1851195	126.81	52.17	93.91	1.92	189.99	28.61	12.00	11.77
MT020167	MT960225/H3860224	95.72	50.52	88.22	4.84	187.67	27.75	12.47	12.79
MT020204	MTLB 32/H1851195	133.72	52.55	87.30	5.09	187.67	30.44	11.34	12.53
MT020205	MTLB 32/H1851195	122.56	51.93	89.12	4.27	187.33	29.14	11.67	12.92
MT030042	MT910189/MT960099	104.44	51.68	80.88	8.60	187.00	26.72	10.44	12.46
MT030063	MT950155/Harrington	123.57	54.12	92.90	2.78	189.00	30.09	11.44	12.87
MT030079	MT950186/MT960225	113.75	52.63	89.75	4.10	189.34	26.75	12.22	11.73
MT040073	MT960045/Harrington	126.58	54.09	91.34	2.96	188.00	27.25	12.57	12.50
MT040209	MT960228/MT950186	122.40	51.89	87.55	3.92	189.33	26.81	11.27	12.89
MT050030	GS 1750/Bearpaw	130.40	51.72	93.53	2.21	189.67	28.39	11.10	11.51
MT050062	Harrington/MT960225	116.49	52.77	90.91	3.38	190.33	29.13	11.05	12.37
MT061032	Baronesse/MT981210	129.31	51.77	92.87	2.76	189.00	26.99	11.85	12.47
MT061035	Baronesse/MT981210	134.56	52.95	92.84	2.68	188.34	29.51	11.43	12.57
EM090117	03013-25	132.67	52.69	98.14	0.39	195.00	26.11	12.01	11.00
EM090128	03021-03	141.08	52.85	96.06	1.06	193.33	25.20	11.37	12.40
MT061104	Harrington/MT970229	117.82	51.65	93.46	2.03	187.33	28.34	11.44	11.90
MT061169	MT960101/Coors 37	128.30	51.72	89.38	4.52	189.00	26.98	11.70	12.90
MT070063	MT010178/MT970116	125.18	52.71	92.57	2.52	187.66	30.97	11.15	11.57
MT070086	MT970148/Coors 37	130.05	53.52	96.38	1.11	191.00	21.72	11.86	12.33
MT070111	MT010178/Harrington	118.68	52.02	89.39	4.36	188.66	28.31	11.04	13.23
MT070125	MT981210/MT970116	117.41	52.01	90.83	3.40	190.33	28.81	11.24	12.65
MT070148	MT990172/Metcalfe	116.85	52.38	94.87	2.03	187.33	26.92	11.84	12.56
MT070156	MT970148/Klages	130.47	52.91	94.02	1.93	187.33	26.40	11.02	12.21
MT070157	MT970148/Klages	131.30	51.73	96.01	1.31	187.34	26.00	10.79	11.87
MT070158	MT970148/Klages	127.47	51.51	95.11	1.52	187.34	27.08	11.84	12.76
MT070159	MT970148/Klages	125.15	52.35	93.41	2.26	187.67	25.22	10.97	11.63
MT070161	MT970148/Klages	124.51	51.82	96.22	1.13	188.34	26.72	11.56	11.38
MT070175	LK644///Hockett F5	111.74	50.86	94.48	2.08	189.00	27.53	10.90	11.80
MT080001	Amulet/Metcalfe	123.60	52.34	96.21	0.89	192.34	25.49	13.08	10.58
MT080017	Amulet/MT960101	124.43	51.75	95.19	1.41	191.00	30.02	11.52	12.43
MT080077	Coors/Kendall	128.07	52.75	97.81	0.68	192.00	26.54	11.63	12.40
MT080081	Coors/Metcalfe	139.38	53.21	97.98	0.60	191.33	27.02	11.96	11.07
MT080083	Coors/Metcalfe	128.11	52.95	98.18	0.61	192.00	25.93	12.13	11.93
MT080084	Coors/Metcalfe	129.98	52.95	97.99	0.60	192.00	26.51	11.96	11.00
MT080085	Coors/Metcalfe	116.10	51.19	87.67	5.21	191.00	27.26	10.89	11.76
EM090130	03021-35	127.83	52.69	97.27	0.86	194.33	24.32	11.59	10.86
EM090134	03021-74	125.01	51.42	95.04	1.43	194.00	27.25	11.86	12.66
MT080100	Karma	67.02	56.36	93.56	2.13	189.33	31.47	14.40	13.17
MT080172	Klages/Stratus	119.21	52.11	88.52	3.79	189.00	27.89	11.46	11.77
MT080179	Metcalfe/MT990106	117.05	53.56	94.89	1.54	187.33	30.89	12.03	12.77
MT080243	MT960101/MT981210	112.43	53.47	87.62	4.52	188.67	31.23	11.48	12.80
MT080261	MT970026/MT981091	113.52	51.38	79.52	8.50	186.67	26.88	12.00	12.56
MT080274	MT970148/Conlon	121.13	52.22	92.26	2.33	187.67	26.76	10.91	11.68

2010 Spring Barley Dryland Intrastate **Bozeman**

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT080277	MT970148/Merit	118.78	50.77	90.08	3.78	187.34	25.93	11.62	11.67
MT080279	MT970148/MT970116	125.71	51.55	93.42	2.14	187.67	26.24	11.24	11.36
MT080281	MT970148/MT970116	121.46	51.51	91.54	3.10	187.67	27.24	10.92	11.49
MT080283	MT970148/MT970116	124.54	51.30	93.62	2.07	187.67	26.42	11.15	10.74
MT080284	MT970148/MT970116	129.11	52.04	93.32	2.18	187.34	26.46	11.42	11.87
MT080285	MT970148/MT970116	124.48	52.49	93.18	2.43	187.33	26.44	11.41	12.33
MT910189	Hockett	103.73	50.75	85.06	6.72	186.66	27.36	11.54	11.76
MT950186	Haxby	107.65	54.28	90.88	3.25	186.66	27.30	11.89	11.63
MT960101	Geraldine	115.32	51.30	82.56	7.81	190.00	26.87	10.97	12.50
MT970116	Craft	112.32	53.30	89.83	4.17	187.00	30.54	11.92	11.71
PI568246	Baronesse	131.02	52.80	92.89	2.65	188.34	27.87	11.64	12.53
PI643354	Pinnacle	99.07	50.68	92.98	2.62	187.00	28.40	10.97	12.00
SK 76333	Harrington	122.21	51.32	90.82	3.36	190.67	28.02	11.61	12.50
TR232	Metcalfe	106.96	50.86	86.47	5.68	189.00	28.91	11.69	12.26
COPELAND	Copeland	123.67	51.44	94.24	2.12	189.33	32.45	10.94	12.57
SCARLETT	Scarlett	117.77	52.99	97.43	0.70	191.34	25.35	12.38	12.59
Mean		120.47	52.20	92.14	2.89	189.03	27.66	11.60	12.13

	Yield	Test Wt	Plump %	Thin %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	138.07	39.28	31.44	7.93	0.07	20.84	3.69	15.14
Treatment Sum of Squares	26928	204.23	3160.2	662.84	790.87	716.67	75.73	71.91
Treatment Degrees of Freedom	63	63	63	63	63	63	63	63
Error Mean Square (RCB)	32.91	1.18	2.57	0.71	0.70	1.22	0.21	1.13
Error Degrees of Freedom	105	105	105	105	105	105	105	105
Intra Block Error Mean Square	25.69	1.22	2.33	0.67	0.70	1.07	0.12	1.14
Adjusted Treatment Mean Square	69.03	0.99	3.75	0.91	0.71	1.98	0.70	1.11
Coefficient of Variation	4.62	1.53	1.59	4.81	0.61	1.97	1.02	3.07
F ratio for Treatment	13.50	2.46	20.27	14.97	15.97	9.04	7.93	1.12
Total Sum of Squares	31213	392.37	3515.2	759.97	878.87	891.40	106.40	229.94
Lsd (.05) 2 Means in Same Block	8.62	1.78	2.47	1.32	1.35	1.74	0.59	1.72
Efficiency of Design Rel to RCB	115.98	97.00	103.63	101.62	100.00	106.11	160.72	99.60

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
2B965057	Conrad	122.48	50.35	92.52	2.48	192.25	29.14	12.41	11.40
6B952482	Tradition	86.27	49.18	92.61	1.82	191.38	31.89	12.46	12.02
MT010158	Amsterdam	105.33	50.62	93.97	1.88	190.04	28.00	12.42	11.65
MT010160	MT920041/Harrington	90.71	52.43	94.09	1.68	193.31	29.13	12.12	11.70
MT020155	MT960225/H1851195	91.64	49.72	89.43	3.59	188.44	27.07	11.90	11.75
MT020162	MT960225/H1851195	110.93	51.49	94.98	1.79	193.21	30.31	11.99	11.69
MT020167	MT960225/H3860224	96.46	49.73	90.83	3.49	191.62	29.33	12.29	12.54
MT020204	MTLB 32/H1851195	100.65	50.67	90.79	3.14	190.30	28.35	11.98	12.24
MT020205	MTLB 32/H1851195	109.96	49.45	89.48	4.55	188.60	29.77	12.29	12.25
MT030042	MT910189/MT960099	84.06	50.24	80.59	8.95	189.07	25.60	10.40	11.61
MT030063	MT950155/Harrington	108.86	51.83	94.68	1.57	193.85	29.31	11.10	11.48
MT030079	MT950186/MT960225	105.52	52.29	93.45	2.73	192.57	27.95	11.47	11.68
MT040073	MT960045/Harrington	103.47	52.70	94.36	1.84	191.33	28.56	12.31	11.90
MT040209	MT960228/MT950186	122.13	50.91	90.30	2.99	192.27	29.19	11.19	11.78
MT050030	GS 1750/Bearpaw	108.21	49.78	93.08	2.34	194.04	28.93	11.29	12.50
MT050062	Harrington/MT960225	103.83	50.62	93.65	1.98	194.67	30.70	10.60	11.88
MT061032	Baronesse/MT981210	107.33	49.31	94.30	1.96	192.73	28.23	11.70	11.48
MT061035	Baronesse/MT981210	121.17	50.20	93.76	2.39	192.53	30.18	11.91	11.57
EM090117	03013-25	120.97	50.91	97.49	0.74	196.79	26.43	12.03	11.33
EM090128	03021-03	120.41	49.95	91.49	2.23	195.51	24.57	11.40	11.28
MT061104	Harrington/MT970229	101.10	49.70	95.16	1.75	191.99	27.94	11.68	11.81
MT061169	MT960101/Coors 37	116.77	51.62	87.67	5.21	192.30	28.40	12.27	11.87
MT070063	MT010178/MT970116	109.55	51.35	93.88	1.95	192.06	32.54	11.51	12.03
MT070086	MT970148/Coors 37	117.70	50.58	94.08	1.92	193.26	23.41	11.51	11.84
MT070111	MT010178/Harrington	98.66	50.44	89.86	3.98	192.61	27.52	11.73	11.57
MT070125	MT981210/MT970116	105.79	50.79	92.01	2.85	194.70	30.24	11.30	12.56
MT070148	MT990172/Metcalfe	101.91	50.86	96.76	1.07	191.92	29.03	12.01	12.13
MT070156	MT970148/Klages	109.23	50.90	95.43	1.51	189.96	25.01	11.85	11.65
MT070157	MT970148/Klages	111.28	51.61	94.98	1.68	188.49	26.55	11.93	11.20
MT070158	MT970148/Klages	112.34	51.55	95.42	1.39	191.17	26.46	11.93	11.93
MT070159	MT970148/Klages	110.41	50.78	92.87	2.32	188.97	26.61	11.75	11.64
MT070161	MT970148/Klages	113.18	51.62	94.96	1.55	189.68	26.92	11.85	12.35
MT070175	LK644///Hockett F5	101.07	49.99	93.77	2.42	192.88	29.73	10.59	12.37
MT080001	Amulet/Metcalfe	101.34	50.50	96.81	0.99	195.10	25.53	12.68	11.93
MT080017	Amulet/MT960101	106.03	51.36	94.78	1.62	194.21	30.86	11.50	11.94
MT080077	Coors/Kendall	118.98	51.28	96.34	1.10	194.92	27.77	11.87	11.95
MT080081	Coors/Metcalfe	111.23	51.32	94.47	1.66	195.60	27.56	12.34	12.15
MT080083	Coors/Metcalfe	114.95	51.40	96.14	1.18	193.95	27.43	11.94	11.67
MT080084	Coors/Metcalfe	106.91	50.84	96.89	0.86	195.27	25.04	12.06	11.80
MT080085	Coors/Metcalfe	105.19	48.85	85.90	5.97	192.37	28.48	11.62	12.11
EM090130	03021-35	112.31	51.32	97.16	0.83	196.07	23.32	11.46	11.66
EM090134	03021-74	112.17	49.58	92.80	1.72	194.93	26.89	11.79	11.66
MT080100	Karma	65.53	60.40	91.29	2.71	195.31	31.76	14.20	11.65
MT080172	Klages/Stratus	101.56	49.17	89.30	3.73	190.73	28.74	11.83	11.98
MT080179	Metcalfe/MT990106	101.56	51.85	95.35	1.58	191.83	32.90	12.32	12.03
MT080243	MT960101/MT981210	103.51	49.82	89.37	4.05	193.32	31.49	11.52	12.19
MT080261	MT970026/MT981091	95.36	50.69	84.18	6.35	191.66	27.08	11.74	11.81
MT080274	MT970148/Conlon	103.99	49.34	93.97	2.14	189.00	26.45	11.60	11.70

Lattice Adjusted Means

ID	PEDIGREE	Yield Bu/Ac (adj)	Test Wt lbs/Bu (adj)	Plump % (adj)	Thin % (adj)	Heading Date (adj)	Plant Ht in (adj)	Protein % (adj)	Moisture % (adj)
MT080277	MT970148/Merit	97.69	49.61	92.29	2.82	190.02	25.75	11.96	11.51
MT080279	MT970148/MT970116	108.41	50.43	92.31	2.30	190.43	25.37	11.55	11.34
MT080281	MT970148/MT970116	102.48	50.38	93.47	2.16	190.10	25.64	11.52	11.57
MT080283	MT970148/MT970116	103.26	50.53	95.03	1.46	190.36	26.07	11.87	11.88
MT080284	MT970148/MT970116	110.53	50.91	92.59	2.66	190.37	26.53	11.72	11.73
MT080285	MT970148/MT970116	112.93	50.76	92.75	2.33	190.87	26.79	12.07	11.64
MT910189	Hockett	96.29	50.82	87.80	5.32	188.30	28.44	11.61	11.69
MT950186	Haxby	102.55	50.71	91.65	2.86	191.10	27.30	12.07	11.96
MT960101	Geraldine	106.91	49.71	87.18	5.13	192.80	28.43	11.55	12.00
MT970116	Craft	99.80	52.20	92.72	2.80	191.71	31.44	11.86	11.90
PI568246	Baronesse	110.81	51.06	94.12	2.13	193.31	27.35	12.04	11.61
PI643354	Pinnacle	84.54	49.39	95.96	1.62	189.05	29.55	10.96	12.05
SK 76333	Harrington	97.66	48.13	92.42	2.67	193.33	28.84	12.02	11.80
TR232	Metcalfe	90.68	49.38	91.29	3.27	191.44	29.33	11.91	11.58
COPELAND	Copeland	104.56	49.82	94.57	1.88	192.62	32.16	11.45	11.77
SCARLETT	Scarlett	114.08	50.13	96.15	1.17	194.73	26.20	12.02	11.35
Mean		105.21	50.72	92.81	2.54	192.18	28.12	11.81	11.82

	Yield	Test Wt	Plump %	Thin %	Heading Date	Plant Ht	Protein %	Moisture %
Replication Sum of Squares	3689.12	0.66	2.14	2.00	4.14	24.08	5.88	1.03
Treatment Sum of Squares	18544	445.68	1931.27	412.71	877.98	895.90	50.48	17.09
Treatment Degrees of Freedom	63	63	63	63	63	63	63	63
Error Mean Square (RCB)	69.34	1.12	3.00	0.61	0.95	2.15	0.14	0.26
Error Degrees of Freedom	105	105	105	105	105	105	105	105
Intra Block Error Mean Square	54.95	1.14	2.87	0.61	0.87	1.81	0.10	0.27
Adjusted Treatment Mean Square	141.33	0.97	3.65	0.57	1.35	3.84	0.30	0.19
Coefficient of Variation	7.23	1.50	1.76	4.90	0.67	2.54	0.92	1.51
F ratio for Treatment	5.18	5.23	9.58	9.39	13.04	6.91	7.68	1.01
Total Sum of Squares	30971	586.98	2311.13	491.16	1001.98	1190.57	73.46	50.58
Lsd (.05) 2 Means in Same Block	12.60	1.73	2.74	1.27	1.51	2.27	0.55	0.84
Efficiency of Design Rel to RCB	114.54	97.54	100.94	98.80	103.05	109.09	118.46	95.35

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	99.07	50.46	93.19	2.06	11.84	181.66	28.91
6B952482	Tradition	77.86	49.56	90.41	1.85	11.45	178.54	32.51
COPELAND	Copeland	95.00	50.19	92.82	1.94	10.92	181.45	32.87
EM090117	03013-25	97.46	50.24	93.42	1.64	11.59	185.74	26.54
EM090128	03021-03	101.64	50.74	88.14	3.60	11.14	184.00	25.67
EM090130	03021-35	97.63	51.47	93.02	2.23	11.39	186.15	25.43
EM090134	03021-74	89.74	50.25	91.30	2.44	11.60	184.37	28.33
MT010158	Amsterdam	89.28	50.91	92.56	2.11	12.12	180.00	28.65
MT010160	MT920041/Harrington	88.56	51.74	90.81	2.66	11.31	180.91	30.75
MT020155	MT960225/H1851195	95.32	50.77	89.16	3.71	11.43	177.80	30.77
MT020162	MT960225/H1851195	94.51	51.13	91.24	2.53	11.52	182.08	30.66
MT020167	MT960225/H3860224	89.23	51.86	93.07	2.24	11.68	180.42	30.57
MT020204	MTLB 32/H1851195	96.13	51.91	90.02	3.16	11.36	178.30	30.30
MT020205	MTLB 32/H1851195	96.19	51.39	90.93	3.41	11.99	178.40	30.86
MT030042	MT910189/MT960099	90.42	52.02	87.87	4.80	10.62	179.25	28.00
MT030063	MT950155/Harrington	88.33	52.31	93.95	1.91	11.46	181.23	31.47
MT030079	MT950186/MT960225	90.09	52.33	91.17	2.71	11.05	180.38	29.79
MT040073	MT960045/Harrington	91.11	52.58	90.26	3.01	11.73	180.12	29.80
MT040209	MT960228/MT950186	98.24	51.41	87.53	3.58	11.25	181.90	29.56
MT050030	GS 1750/Bearpaw	98.25	51.09	93.05	2.06	10.81	181.20	30.39
MT050062	Harrington/MT960225	91.40	52.21	93.67	1.84	10.65	181.70	32.28
MT061032	Baronesse/MT981210	102.33	50.73	89.94	3.16	11.23	182.00	28.34
MT061035	Baronesse/MT981210	102.56	50.90	90.42	2.96	11.38	181.62	29.48
MT061104	Harrington/MT970229	93.25	51.13	94.33	1.76	11.46	179.48	30.74
MT061169	MT960101/Coors 37	97.14	51.61	91.36	3.12	11.54	182.04	28.26
MT070063	MT010178/MT970116	87.84	51.72	92.45	2.32	11.21	179.17	38.03
MT070086	MT970148/Coors 37	95.72	50.81	91.30	2.65	11.55	182.82	23.55
MT070111	MT010178/Harrington	91.96	51.25	86.27	4.20	11.07	181.29	30.46
MT070125	MT981210/MT970116	94.64	51.71	92.63	2.33	11.33	181.70	31.22
MT070148	MT990172/Metcalfe	95.01	51.35	95.71	1.17	11.51	179.92	29.41
MT070156	MT970148/Klages	99.84	51.15	91.56	2.52	11.14	179.97	28.44
MT070157	MT970148/Klages	98.41	51.71	93.21	2.00	11.10	180.03	28.66
MT070158	MT970148/Klages	100.32	51.68	94.39	1.77	11.48	180.45	28.49
MT070159	MT970148/Klages	96.72	51.37	92.55	2.28	11.05	179.94	27.90
MT070161	MT970148/Klages	99.70	51.85	94.26	1.79	11.23	179.87	27.75
MT070175	LK644///Hockett F5	91.93	50.88	93.43	2.35	10.48	180.20	31.25
MT080001	Amulet/Metcalfe	91.61	51.71	94.79	1.17	12.39	183.02	26.15
MT080017	Amulet/MT960101	97.77	51.70	94.15	1.46	10.95	182.89	30.93
MT080077	Coors/Kendall	93.79	51.16	93.55	2.01	11.77	183.11	27.25
MT080081	Coors/Metcalfe	93.68	50.89	92.41	2.48	11.84	183.29	27.42
MT080083	Coors/Metcalfe	95.52	50.88	93.04	2.01	12.08	182.80	27.61
MT080084	Coors/Metcalfe	92.96	51.10	92.90	2.10	12.06	183.31	27.03
MT080085	Coors/Metcalfe	99.13	51.45	89.41	3.53	11.51	182.62	29.07
MT080100	Karma	48.59	59.57	77.87	15.22	14.43	180.76	32.78
MT080172	Klages/Stratus	91.65	50.16	86.35	4.00	11.76	180.28	30.25

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
MT080179	Metcalfe/MT990106	88.60	52.05	95.44	1.09	11.96	179.42	32.12
MT080243	MT960101/MT981210	92.45	50.96	86.56	3.80	11.33	181.30	31.49
MT080261	MT970026/MT981091	90.31	51.13	85.73	5.24	11.76	178.48	29.18
MT080274	MT970148/Conlon	100.45	51.29	93.27	1.99	10.80	178.88	28.28
MT080277	MT970148/Merit	92.70	50.48	89.89	2.97	11.30	180.62	28.01
MT080279	MT970148/MT970116	99.54	50.80	90.69	2.74	11.23	180.79	27.88
MT080281	MT970148/MT970116	96.72	50.79	91.84	2.62	10.88	180.43	27.39
MT080283	MT970148/MT970116	101.05	50.90	92.78	2.19	11.09	180.02	27.22
MT080284	MT970148/MT970116	100.76	50.89	91.31	2.43	11.02	179.89	27.64
MT080285	MT970148/MT970116	99.10	51.45	92.82	2.05	11.10	181.12	26.98
MT910189	Hockett	90.26	51.57	90.62	3.08	11.14	178.34	30.01
MT950186	Haxby	88.27	52.54	91.31	2.48	11.24	178.96	29.63
MT960101	Geraldine	95.40	50.66	86.63	4.60	11.29	183.42	28.54
MT970116	Craft	84.84	52.31	93.54	2.18	11.66	178.92	33.10
PI568246	Baronesse	102.62	51.51	92.16	2.28	11.34	182.20	28.39
PI643354	Pinnacle	86.80	50.69	95.27	1.54	10.45	178.33	30.45
SCARLETT	Scarlett	94.11	50.61	93.74	1.78	11.30	183.44	26.45
SK 76333	Harrington	93.48	50.45	91.66	2.45	11.22	181.58	30.82
TR232	Metcalfe	90.16	50.54	90.25	3.07	11.54	180.07	31.04

	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
Mean	93.67	51.35	91.43	2.76	11.41	181.01	29.36
C.V.	8.84	1.65	5.91	161.75	4.83	0.69	7.97
P-value	<0.0001	<0.0001	<0.0001	0.002	<0.0001	<0.0001	<0.0001
F-Value	56.49	28.64	3.19	1.63	30.24	304.88	30.80
L.S.D.	8.14	0.84	5.31	4.38	0.54	1.22	2.30

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	86.70	50.07	94.35	1.69	11.37	181.67	27.53
6B952482	Tradition	63.75	49.72	91.06	1.74	11.04	178.18	31.82
COPELAND	Copeland	85.04	50.09	93.25	1.64	10.67	181.20	31.54
EM090117	03013-25	87.95	49.99	92.63	2.14	11.07	186.02	24.90
EM090128	03021-03	89.56	50.89	87.09	4.28	10.72	183.97	24.45
EM090130	03021-35	85.87	51.24	92.75	2.70	11.04	186.69	24.59
EM090134	03021-74	78.60	50.33	92.15	2.58	11.23	184.61	27.15
MT010158	Amsterdam	81.99	51.30	94.06	1.56	11.93	179.68	27.63
MT010160	MT920041/Harrington	81.50	51.79	92.47	1.99	10.67	180.38	29.68
MT020155	MT960225/H1851195	85.96	51.11	91.17	2.89	11.19	177.79	30.33
MT020162	MT960225/H1851195	84.55	50.99	91.43	2.49	11.19	182.07	29.47
MT020167	MT960225/H3860224	77.82	52.08	93.77	1.90	11.24	180.02	29.59
MT020204	MTLB 32/H1851195	89.10	52.28	92.06	2.53	10.87	178.01	29.35
MT020205	MTLB 32/H1851195	84.71	51.99	93.87	2.26	11.59	178.41	29.93
MT030042	MT910189/MT960099	81.43	52.28	89.02	4.12	10.42	179.39	27.20
MT030063	MT950155/Harrington	76.09	52.68	95.24	1.52	11.36	180.73	30.43
MT030079	MT950186/MT960225	77.51	52.21	90.37	2.97	10.71	179.83	28.67
MT040073	MT960045/Harrington	82.45	52.55	90.37	2.79	11.17	179.91	28.51
MT040209	MT960228/MT950186	85.39	51.61	87.80	3.17	10.96	182.05	27.94
MT050030	GS 1750/Bearpaw	87.09	51.30	94.12	1.66	10.52	180.83	29.23
MT050062	Harrington/MT960225	79.52	52.35	94.49	1.50	10.54	181.10	30.92
MT061032	Baronesse/MT981210	92.29	50.70	89.51	3.12	10.79	181.93	27.13
MT061035	Baronesse/MT981210	91.98	50.80	90.24	2.73	11.10	181.42	28.15
MT061104	Harrington/MT970229	82.39	51.33	95.72	1.21	11.03	179.24	30.04
MT061169	MT960101/Coors 37	85.47	51.83	92.88	2.53	10.99	182.08	26.81
MT070063	MT010178/MT970116	74.93	51.80	94.05	1.79	10.74	178.73	31.55
MT070086	MT970148/Coors 37	82.85	50.99	91.71	2.76	11.47	183.26	21.84
MT070111	MT010178/Harrington	84.90	51.31	84.52	4.19	10.55	181.01	29.41
MT070125	MT981210/MT970116	83.95	51.70	93.45	1.88	11.12	181.52	30.85
MT070148	MT990172/Metcalfe	83.75	51.28	95.42	1.35	11.06	179.57	28.12
MT070156	MT970148/Klages	88.14	51.02	91.13	2.46	10.78	180.23	27.33
MT070157	MT970148/Klages	88.78	51.84	93.44	1.79	10.61	180.41	27.94
MT070158	MT970148/Klages	90.36	51.75	95.05	1.41	11.25	180.49	27.46
MT070159	MT970148/Klages	83.34	51.38	93.34	1.77	10.59	179.92	26.41
MT070161	MT970148/Klages	88.44	52.04	95.39	1.20	10.91	180.11	26.97
MT070175	LK644///Hockett F5	82.66	50.93	94.22	2.20	10.34	179.81	29.98
MT080001	Amulet/Metcalfe	81.28	51.37	95.01	1.04	12.13	182.88	24.84
MT080017	Amulet/MT960101	87.85	51.56	94.67	1.39	10.63	182.63	29.56
MT080077	Coors/Kendall	80.45	51.21	93.65	2.10	11.50	182.80	25.82
MT080081	Coors/Metcalfe	83.34	50.80	92.75	2.52	11.39	182.95	26.06
MT080083	Coors/Metcalfe	84.15	50.95	93.71	2.02	11.96	182.75	26.08
MT080084	Coors/Metcalfe	82.40	50.97	92.80	2.48	11.89	182.99	25.59
MT080085	Coors/Metcalfe	88.95	51.53	88.71	3.76	11.24	182.78	28.07
MT080100	Karma	47.08	59.88	71.78	22.08	13.90	179.95	32.27
MT080172	Klages/Stratus	84.34	50.33	85.91	3.66	11.44	180.43	29.62
MT080179	Metcalfe/MT990106	78.30	52.08	96.00	0.94	11.69	178.91	30.65

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

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
MT080243	MT960101/MT981210	83.20	50.97	84.82	3.78	10.88	181.00	30.15
MT080261	MT970026/MT981091	81.04	51.61	87.93	4.23	11.55	177.82	28.77
MT080274	MT970148/Conlon	90.86	51.84	94.55	1.49	10.32	178.98	27.59
MT080277	MT970148/Merit	82.30	50.63	89.31	2.95	10.90	180.77	26.84
MT080279	MT970148/MT970116	89.00	50.78	90.74	2.67	11.00	181.21	27.09
MT080281	MT970148/MT970116	87.20	50.98	92.20	2.48	10.52	180.85	26.70
MT080283	MT970148/MT970116	90.57	50.83	92.83	1.98	10.70	179.97	26.66
MT080284	MT970148/MT970116	90.58	50.89	91.10	2.39	10.69	180.10	26.45
MT080285	MT970148/MT970116	88.10	51.50	92.72	2.02	10.70	181.69	25.81
MT910189	Hockett	81.15	51.65	91.29	2.65	10.82	178.15	28.78
MT950186	Haxby	74.58	52.92	91.67	2.11	10.71	178.58	28.41
MT960101	Geraldine	84.62	50.56	86.36	4.67	11.08	183.74	27.23
MT970116	Craft	71.91	52.25	94.44	1.80	11.52	178.07	31.97
PI568246	Baronesse	92.74	51.33	92.11	2.18	10.98	182.20	27.47
PI643354	Pinnacle	79.75	50.86	95.48	1.59	10.31	178.45	29.03
SCARLETT	Scarlett	82.16	50.41	93.06	2.17	10.79	183.22	24.82
SK 76333	Harrington	83.86	50.60	92.08	2.27	10.82	181.41	29.51
TR232	Metcalfe	81.58	50.55	90.02	3.12	11.12	179.83	30.04

	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
Mean	83.28	51.43	91.74	2.67	11.06	180.90	28.17
C.V.	10.63	1.77	7.19	209.17	5.72	0.69	4.58
P-value	<0.0001	<0.0001	<0.0001	0.16	<0.0001	<0.0001	<0.0001
F-Value	29.10	14.65	2.04	1.20	14.88	150.90	53.00
L.S.D.	11.02	1.13	8.21	6.96	0.79	1.56	1.61

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

Yield bu/ac

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
2B965057	Conrad	82.32	74.66	63.11	86.53	126.89	86.70
6B952482	Tradition	7.36	72.35	54.50	88.42	96.15	63.75
MT010158	Amsterdam	78.23	64.88	61.92	87.92	117.01	81.99
MT010160	MT920041/Harrington	70.19	61.58	66.27	89.44	120.00	81.50
MT020155	MT960225/H1851195	75.60	80.25	62.32	97.32	114.32	85.96
MT020162	MT960225/H1851195	72.82	75.38	64.01	83.70	126.81	84.55
MT020167	MT960225/H3860224	64.58	72.25	62.64	93.90	95.72	77.82
MT020204	MTLB 32/H1851195	87.27	77.70	63.33	83.49	133.72	89.10
MT020205	MTLB 32/H1851195	73.84	81.75	61.63	83.75	122.56	84.71
MT030042	MT910189/MT960099	74.42	71.90	60.00	96.38	104.44	81.43
MT030063	MT950155/Harrington	28.25	66.48	71.72	90.45	123.57	76.09
MT030079	MT950186/MT960225	51.02	70.76	63.11	88.90	113.75	77.51
MT040073	MT960045/Harrington	72.26	71.34	57.97	84.10	126.58	82.45
MT040209	MT960228/MT950186	76.45	74.67	60.87	92.54	122.40	85.39
MT050030	GS 1750/Bearpaw	70.48	70.39	65.98	98.20	130.40	87.09
MT050062	Harrington/MT960225	50.06	80.21	63.67	87.19	116.49	79.52
MT061032	Baronesse/MT981210	88.29	75.71	58.87	109.30	129.31	92.29
MT061035	Baronesse/MT981210	89.72	74.31	59.57	101.72	134.56	91.98
EM090117	03013-25	85.89	75.67	59.01	86.51	132.67	87.95
EM090128	03021-03	78.76	76.75	63.30	87.91	141.08	89.56
MT061104	Harrington/MT970229	65.20	82.92	58.03	88.01	117.82	82.39
MT061169	MT960101/Coors 37	81.57	66.36	62.91	88.20	128.30	85.47
MT070063	MT010178/MT970116	42.13	63.26	58.47	85.61	125.18	74.93
MT070086	MT970148/Coors 37	74.93	68.17	56.30	84.79	130.05	82.85
MT070111	MT010178/Harrington	78.36	76.10	62.97	88.36	118.68	84.90
MT070125	MT981210/MT970116	63.16	80.13	67.13	91.94	117.41	83.95
MT070148	MT990172/Metcalfe	71.34	72.00	68.34	90.24	116.85	83.75
MT070156	MT970148/Klages	79.95	69.12	65.04	96.11	130.47	88.14
MT070157	MT970148/Klages	83.54	67.19	59.12	102.77	131.30	88.78
MT070158	MT970148/Klages	92.76	75.78	62.21	93.59	127.47	90.36
MT070159	MT970148/Klages	76.82	61.67	58.75	94.31	125.15	83.34
MT070161	MT970148/Klages	84.34	78.05	64.33	90.98	124.51	88.44
MT070175	LK644///Hockett F5	81.02	73.18	64.56	82.82	111.74	82.66
MT080001	Amulet/Metcalfe	73.53	72.17	58.69	78.40	123.60	81.28
MT080017	Amulet/MT960101	80.55	75.82	60.54	97.93	124.43	87.85
MT080077	Coors/Kendall	74.54	71.29	45.18	83.15	128.07	80.45
MT080081	Coors/Metcalfe	78.26	64.59	49.48	85.02	139.38	83.34
MT080083	Coors/Metcalfe	82.98	61.21	59.09	89.38	128.11	84.15
MT080084	Coors/Metcalfe	85.88	65.37	43.94	86.85	129.98	82.40
MT080085	Coors/Metcalfe	83.38	85.03	66.90	93.34	116.10	88.95
EM090130	03021-35	83.81	68.34	64.96	84.43	127.83	85.87
EM090134	03021-74	77.99	58.16	59.12	72.72	125.01	78.60
MT080100	Karma	42.43	42.26	42.65	41.03	67.02	47.08
MT080172	Klages/Stratus	75.31	70.53	65.34	91.30	119.21	84.34
MT080179	Metcalfe/MT990106	70.90	65.67	54.00	83.88	117.05	78.30
MT080243	MT960101/MT981210	82.00	71.74	60.45	89.39	112.43	83.20

Yield bu/ac

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
MT080261	MT970026/MT981091	77.51	73.33	64.52	76.30	113.52	81.04
MT080274	MT970148/Conlon	87.52	73.62	67.62	104.38	121.13	90.86
MT080277	MT970148/Merit	73.13	64.38	62.64	92.58	118.78	82.30
MT080279	MT970148/MT970116	83.51	70.16	70.26	95.35	125.71	89.00
MT080281	MT970148/MT970116	80.42	76.19	62.90	95.04	121.46	87.20
MT080283	MT970148/MT970116	92.93	69.99	67.16	98.21	124.54	90.57
MT080284	MT970148/MT970116	82.90	74.25	63.54	103.09	129.11	90.58
MT080285	MT970148/MT970116	86.90	61.27	59.41	108.42	124.48	88.10
MT910189	Hockett	77.66	75.52	60.48	88.34	103.73	81.15
MT950186	Haxby	51.58	69.97	56.86	86.85	107.65	74.58
MT960101	Geraldine	93.26	63.69	55.02	95.82	115.32	84.62
MT970116	Craft	37.36	68.20	56.70	84.95	112.32	71.91
PI568246	Baronesse	89.39	79.26	61.25	102.77	131.02	92.74
PI643354	Pinnacle	76.07	72.95	60.80	89.87	99.07	79.75
SK 76333	Harrington	82.47	67.91	64.26	82.45	122.21	83.86
TR232	Metcalfe	77.85	68.24	67.53	87.35	106.96	81.58
COPELAND	Copeland	77.00	73.33	59.62	91.56	123.67	85.04
SCARLETT	Scarlett	83.20	68.74	60.68	80.42	117.77	82.16

	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
Mean	74.30	71.03	60.99	89.62	120.47	83.28
C.V.	12.69	9.69	7.67	7.84	4.62	8.50
F-value	5.38	1.87	2.29	4.59	13.50	5.53
L.S.D.	17.67	14.18	10.31	11.99	8.62	12.55
Efficiency of Design Rel to RCB	100	211.48	140.26	104.6	115.98	***

Test Wt lbs/bu

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
2B965057	Conrad	49.15	48.50	51.29	51.01	50.42	50.07
6B952482	Tradition	47.92	50.50	50.53	48.47	51.19	49.72
MT010158	Amsterdam	49.87	52.00	51.58	51.13	51.90	51.30
MT010160	MT920041/Harrington	50.23	52.50	51.88	51.71	52.61	51.79
MT020155	MT960225/H1851195	49.69	51.50	52.80	50.31	51.24	51.11
MT020162	MT960225/H1851195	49.45	50.50	51.63	51.19	52.17	50.99
MT020167	MT960225/H3860224	51.26	53.50	53.36	51.77	50.52	52.08
MT020204	MTLB 32/H1851195	50.82	53.50	52.65	51.89	52.55	52.28
MT020205	MTLB 32/H1851195	50.51	53.00	52.84	51.66	51.93	51.99
MT030042	MT910189/MT960099	51.36	52.00	53.63	52.76	51.68	52.28
MT030063	MT950155/Harrington	51.23	53.00	53.65	51.42	54.12	52.68
MT030079	MT950186/MT960225	51.10	53.00	52.49	51.81	52.63	52.21
MT040073	MT960045/Harrington	51.18	52.50	53.21	51.75	54.09	52.55
MT040209	MT960228/MT950186	50.20	51.50	52.07	52.38	51.89	51.61
MT050030	GS 1750/Bearpaw	49.40	52.50	52.66	50.20	51.72	51.30
MT050062	Harrington/MT960225	50.58	53.50	52.80	52.13	52.77	52.35
MT061032	Baronesse/MT981210	48.80	52.50	50.93	49.48	51.77	50.70
MT061035	Baronesse/MT981210	48.30	52.00	51.22	49.56	52.95	50.80
EM090117	03013-25	47.55	50.50	50.16	49.08	52.69	49.99
EM090128	03021-03	49.32	51.00	52.63	48.64	52.85	50.89
MT061104	Harrington/MT970229	50.04	51.00	52.05	51.93	51.65	51.33
MT061169	MT960101/Coors 37	50.32	52.50	53.17	51.46	51.72	51.83
MT070063	MT010178/MT970116	50.60	52.00	51.86	51.85	52.71	51.80
MT070086	MT970148/Coors 37	49.94	51.50	51.60	48.39	53.52	50.99
MT070111	MT010178/Harrington	50.12	51.50	52.08	50.85	52.02	51.31
MT070125	MT981210/MT970116	50.27	52.50	51.78	51.95	52.01	51.70
MT070148	MT990172/Metcalfe	49.54	52.50	50.91	51.07	52.38	51.28
MT070156	MT970148/Klages	49.75	49.50	52.06	50.87	52.91	51.02
MT070157	MT970148/Klages	50.60	52.50	53.05	51.30	51.73	51.84
MT070158	MT970148/Klages	50.62	52.50	53.25	50.86	51.51	51.75
MT070159	MT970148/Klages	49.89	51.50	52.52	50.64	52.35	51.38
MT070161	MT970148/Klages	50.58	53.00	53.81	50.98	51.82	52.04
MT070175	LK644///Hockett F5	49.35	51.50	52.90	50.04	50.86	50.93
MT080001	Amulet/Metcalfe	50.28	52.00	52.77	49.46	52.34	51.37
MT080017	Amulet/MT960101	49.95	52.50	52.21	51.36	51.75	51.56
MT080077	Coors/Kendall	48.46	53.00	52.55	49.26	52.75	51.21
MT080081	Coors/Metcalfe	48.24	51.50	52.16	48.89	53.21	50.80
MT080083	Coors/Metcalfe	48.32	51.50	52.68	49.31	52.95	50.95
MT080084	Coors/Metcalfe	48.06	52.50	52.82	48.53	52.95	50.97
MT080085	Coors/Metcalfe	49.81	51.50	53.16	52.00	51.19	51.53
EM090130	03021-35	49.08	51.00	53.19	50.22	52.69	51.24
EM090134	03021-74	48.64	52.00	51.90	47.69	51.42	50.33
MT080100	Karma	59.41	62.00	62.50	59.12	56.36	59.88
MT080172	Klages/Stratus	47.90	50.00	52.66	48.98	52.11	50.33
MT080179	Metcalfe/MT990106	49.84	52.50	53.15	51.38	53.56	52.08
MT080243	MT960101/MT981210	48.89	51.00	50.99	50.50	53.47	50.97

Test Wt
lbs/bu

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
MT080261	MT970026/MT981091	50.06	52.00	52.93	51.69	51.38	51.61
MT080274	MT970148/Conlon	50.11	52.00	53.93	50.92	52.22	51.84
MT080277	MT970148/Merit	49.09	51.00	51.99	50.29	50.77	50.63
MT080279	MT970148/MT970116	50.23	49.50	52.33	50.32	51.55	50.78
MT080281	MT970148/MT970116	49.47	52.00	51.78	50.15	51.51	50.98
MT080283	MT970148/MT970116	50.53	50.00	51.86	50.48	51.30	50.83
MT080284	MT970148/MT970116	49.80	50.00	51.95	50.68	52.04	50.89
MT080285	MT970148/MT970116	50.33	53.50	51.11	50.04	52.49	51.50
MT910189	Hockett	51.20	50.50	53.80	52.01	50.75	51.65
MT950186	Haxby	50.66	54.00	53.58	52.06	54.28	52.92
MT960101	Geraldine	49.34	49.00	52.11	51.04	51.30	50.56
MT970116	Craft	50.60	52.00	53.26	52.10	53.30	52.25
PI568246	Baronesse	49.44	53.00	51.48	49.93	52.80	51.33
PI643354	Pinnacle	49.64	51.50	51.78	50.70	50.68	50.86
SK 76333	Harrington	49.16	50.00	51.61	50.89	51.32	50.60
TR232	Metcalfe	48.26	50.50	53.15	49.97	50.86	50.55
COPELAND	Copeland	48.43	49.50	51.38	49.68	51.44	50.09
SCARLETT	Scarlett	48.92	49.00	51.44	49.68	52.99	50.41

	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
Mean	49.87	51.80	52.49	50.78	52.20	51.43
C.V.	0.78	***	***	0.98	1.53	1.10
F-value	20.93	***	***	12.84	2.46	12.08
L.S.D.	0.93	***	***	1.13	1.78	1.28
Efficiency of Design Rel to RCB	113.81	***	***	102.8	97	***

Plump %

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
2B965057	Conrad	96.6	88.00	98.50	94.14	94.49	94.35
6B952482	Tradition	90.4	93.00	89.80	89.51	92.60	91.06
MT010158	Amsterdam	97.0	94.00	91.40	93.28	94.61	94.06
MT010160	MT920041/Harrington	96.8	94.00	87.50	92.22	91.82	92.47
MT020155	MT960225/H1851195	96.8	92.00	93.30	89.54	84.21	91.17
MT020162	MT960225/H1851195	93.6	89.00	90.40	90.24	93.91	91.43
MT020167	MT960225/H3860224	98.3	95.00	92.40	94.91	88.22	93.77
MT020204	MTLB 32/H1851195	95.4	94.00	92.40	91.18	87.30	92.06
MT020205	MTLB 32/H1851195	98.2	94.00	96.40	91.62	89.12	93.87
MT030042	MT910189/MT960099	94.3	86.00	94.80	89.14	80.88	89.02
MT030063	MT950155/Harrington	97.7	95.00	97.50	93.13	92.90	95.24
MT030079	MT950186/MT960225	96.1	90.00	90.10	85.90	89.75	90.37
MT040073	MT960045/Harrington	95.9	87.00	89.00	88.63	91.34	90.37
MT040209	MT960228/MT950186	97.5	84.00	85.20	84.74	87.55	87.80
MT050030	GS 1750/Bearpaw	98.8	95.00	94.90	88.38	93.53	94.12
MT050062	Harrington/MT960225	98.0	96.00	96.70	90.86	90.91	94.49
MT061032	Baronesse/MT981210	91.7	95.00	90.30	77.70	92.87	89.51
MT061035	Baronesse/MT981210	91.3	93.00	92.10	81.97	92.84	90.24
EM090117	03013-25	95.5	92.00	93.70	83.82	98.14	92.63
EM090128	03021-03	96.0	91.00	89.10	63.27	96.06	87.09
MT061104	Harrington/MT970229	98.2	95.00	97.00	94.95	93.46	95.72
MT061169	MT960101/Coors 37	94.7	93.00	96.30	91.01	89.38	92.88
MT070063	MT010178/MT970116	97.8	93.00	94.50	92.38	92.57	94.05
MT070086	MT970148/Coors 37	96.1	94.00	96.30	75.78	96.38	91.71
MT070111	MT010178/Harrington	95.0	91.00	57.10	90.12	89.39	84.52
MT070125	MT981210/MT970116	97.6	94.00	92.40	92.43	90.83	93.45
MT070148	MT990172/Metcalfe	97.2	98.00	92.80	94.21	94.87	95.42
MT070156	MT970148/Klages	95.8	85.00	89.40	91.43	94.02	91.13
MT070157	MT970148/Klages	97.5	94.00	86.40	93.30	96.01	93.44
MT070158	MT970148/Klages	97.8	95.00	93.30	94.05	95.11	95.05
MT070159	MT970148/Klages	97.1	91.00	92.90	92.29	93.41	93.34
MT070161	MT970148/Klages	98.2	96.00	91.30	95.24	96.22	95.39
MT070175	LK644///Hockett F5	96.7	95.00	97.30	87.61	94.48	94.22
MT080001	Amulet/Metcalfe	97.8	93.00	97.90	90.13	96.21	95.01
MT080017	Amulet/MT960101	95.6	95.00	93.20	94.36	95.19	94.67
MT080077	Coors/Kendall	93.2	98.00	95.90	83.34	97.81	93.65
MT080081	Coors/Metcalfe	92.3	93.00	98.40	82.06	97.98	92.75
MT080083	Coors/Metcalfe	93.1	94.00	97.90	85.38	98.18	93.71
MT080084	Coors/Metcalfe	91.8	96.00	98.00	80.19	97.99	92.80
MT080085	Coors/Metcalfe	92.6	85.00	92.10	86.19	87.67	88.71
EM090130	03021-35	95.6	95.00	95.50	80.39	97.27	92.75
EM090134	03021-74	96.3	97.00	93.10	79.29	95.04	92.15
MT080100	Karma	92.2	94.00	1.00	78.13	93.56	71.78
MT080172	Klages/Stratus	93.6	89.00	78.70	79.73	88.52	85.91
MT080179	Metcalfe/MT990106	97.4	96.00	97.60	94.10	94.89	96.00
MT080243	MT960101/MT981210	92.8	87.00	72.50	84.15	87.62	84.82

Plump %

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
MT080261	MT970026/MT981091	92.7	88.00	91.20	88.25	79.52	87.93
MT080274	MT970148/Conlon	97.4	91.00	96.40	95.70	92.26	94.55
MT080277	MT970148/Merit	93.6	93.00	82.70	87.15	90.08	89.31
MT080279	MT970148/MT970116	95.0	83.00	93.40	88.88	93.42	90.74
MT080281	MT970148/MT970116	91.9	92.00	94.70	90.85	91.54	92.20
MT080283	MT970148/MT970116	96.2	90.00	94.30	90.03	93.62	92.83
MT080284	MT970148/MT970116	94.7	84.00	93.70	89.77	93.32	91.10
MT080285	MT970148/MT970116	96.5	96.00	87.40	90.52	93.18	92.72
MT910189	Hockett	97.2	88.00	91.60	94.59	85.06	91.29
MT950186	Haxby	93.9	92.00	90.60	90.97	90.88	91.67
MT960101	Geraldine	92.3	82.00	91.80	83.16	82.56	86.36
MT970116	Craft	97.3	94.00	97.60	93.46	89.83	94.44
PI568246	Baronesse	94.9	91.00	95.70	86.08	92.89	92.11
PI643354	Pinnacle	96.9	95.00	98.20	94.33	92.98	95.48
SK 76333	Harrington	95.7	91.00	91.10	91.77	90.82	92.08
TR232	Metcalfe	92.0	89.00	91.70	90.91	86.47	90.02
COPELAND	Copeland	94.8	92.00	91.80	93.43	94.24	93.25
SCARLETT	Scarlett	95.5	90.00	94.20	88.17	97.43	93.06

	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
Mean	95.44	91.94	90.66	88.51	92.14	91.74
C.V.	***	***	***	4.09	1.59	2.84
F-value	***	***	***	6.22	20.27	13.25
L.S.D.	***	***	***	6.57	2.47	4.52
Efficiency of Design Rel to RCB	***	***	***	119.77	103.63	***

Heading Date

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
2B965057	Conrad	187.55	179.47	183.66	168.36	189.34	181.67
6B952482	Tradition	179.00	177.90	180.37	165.96	187.67	178.18
MT010158	Amsterdam	182.41	178.67	181.61	168.70	187.01	179.68
MT010160	MT920041/Harrington	183.55	179.36	182.34	168.65	188.00	180.38
MT020155	MT960225/H1851195	179.22	176.07	179.99	166.98	186.67	177.79
MT020162	MT960225/H1851195	185.72	179.94	184.36	170.35	189.99	182.07
MT020167	MT960225/H3860224	183.27	178.46	182.32	168.38	187.67	180.02
MT020204	MTLB 32/H1851195	179.64	177.09	180.66	165.00	187.67	178.01
MT020205	MTLB 32/H1851195	179.78	177.29	180.98	166.65	187.33	178.41
MT030042	MT910189/MT960099	181.31	177.65	182.70	168.30	187.00	179.39
MT030063	MT950155/Harrington	182.73	179.96	181.60	170.35	189.00	180.73
MT030079	MT950186/MT960225	181.75	178.05	181.69	168.34	189.34	179.83
MT040073	MT960045/Harrington	182.28	179.52	183.71	166.05	188.00	179.91
MT040209	MT960228/MT950186	186.07	179.19	184.36	171.32	189.33	182.05
MT050030	GS 1750/Bearpaw	184.59	179.52	183.71	166.67	189.67	180.83
MT050062	Harrington/MT960225	183.82	181.07	183.96	166.34	190.33	181.10
MT061032	Baronesse/MT981210	187.98	179.30	183.68	169.67	189.00	181.93
MT061035	Baronesse/MT981210	185.79	178.70	185.32	168.98	188.34	181.42
EM090117	03013-25	190.56	182.86	189.62	172.07	195.00	186.02
EM090128	03021-03	185.60	181.93	186.69	172.32	193.33	183.97
MT061104	Harrington/MT970229	179.94	178.17	183.06	167.68	187.33	179.24
MT061169	MT960101/Coors 37	187.00	179.78	184.32	170.29	189.00	182.08
MT070063	MT010178/MT970116	179.21	178.13	181.96	166.68	187.66	178.73
MT070086	MT970148/Coors 37	187.35	180.89	188.36	168.69	191.00	183.26
MT070111	MT010178/Harrington	185.98	177.81	182.95	169.66	188.66	181.01
MT070125	MT981210/MT970116	183.84	180.10	183.34	170.00	190.33	181.52
MT070148	MT990172/Metcalfe	180.24	178.96	182.66	168.67	187.33	179.57
MT070156	MT970148/Klages	182.36	178.74	183.05	169.68	187.33	180.23
MT070157	MT970148/Klages	182.77	178.58	183.07	170.32	187.34	180.41
MT070158	MT970148/Klages	182.78	178.71	183.00	170.65	187.34	180.49
MT070159	MT970148/Klages	184.06	178.55	182.66	166.65	187.67	179.92
MT070161	MT970148/Klages	183.70	177.49	181.67	169.33	188.34	180.11
MT070175	LK644///Hockett F5	181.68	179.12	181.30	167.96	189.00	179.81
MT080001	Amulet/Metcalfe	188.53	179.84	185.66	168.04	192.34	182.88
MT080017	Amulet/MT960101	186.44	181.72	184.66	169.31	191.00	182.63
MT080077	Coors/Kendall	184.98	180.70	185.38	170.96	192.00	182.80
MT080081	Coors/Metcalfe	185.08	180.67	186.30	171.35	191.33	182.95
MT080083	Coors/Metcalfe	184.51	180.51	184.99	171.72	192.00	182.75
MT080084	Coors/Metcalfe	186.20	179.72	186.34	170.70	192.00	182.99
MT080085	Coors/Metcalfe	186.62	179.28	185.70	171.32	191.00	182.78
EM090130	03021-35	193.25	182.84	189.65	173.39	194.33	186.69
EM090134	03021-74	186.13	181.62	187.65	173.65	194.00	184.61
MT080100	Karma	180.36	178.09	183.36	168.64	189.33	179.95
MT080172	Klages/Stratus	185.41	178.07	181.68	168.01	189.00	180.43
MT080179	Metcalfe/MT990106	181.39	178.53	181.99	165.32	187.33	178.91
MT080243	MT960101/MT981210	184.64	179.06	183.68	168.98	188.67	181.00

Heading Date

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
MT080261	MT970026/MT981091	178.87	177.20	180.67	165.68	186.67	177.82
MT080274	MT970148/Conlon	181.24	177.36	181.99	166.65	187.67	178.98
MT080277	MT970148/Merit	182.59	179.29	182.67	171.96	187.34	180.77
MT080279	MT970148/MT970116	184.95	179.07	182.99	171.35	187.67	181.21
MT080281	MT970148/MT970116	184.00	178.35	183.28	170.95	187.67	180.85
MT080283	MT970148/MT970116	183.74	179.09	182.29	167.05	187.67	179.97
MT080284	MT970148/MT970116	183.82	177.61	183.04	168.67	187.34	180.10
MT080285	MT970148/MT970116	186.52	179.20	186.35	169.04	187.33	181.69
MT910189	Hockett	180.27	177.09	181.37	165.33	186.66	178.15
MT950186	Haxby	179.71	177.87	181.69	166.99	186.66	178.58
MT960101	Geraldine	188.70	181.29	187.39	171.32	190.00	183.74
MT970116	Craft	179.40	178.30	180.63	165.00	187.00	178.07
PI568246	Baronesse	187.30	179.38	185.33	170.67	188.34	182.20
PI643354	Pinnacle	179.99	177.26	181.97	166.01	187.00	178.45
SK 76333	Harrington	183.56	179.28	184.26	169.29	190.67	181.41
TR232	Metcalfe	182.65	178.22	181.62	167.65	189.00	179.83
COPELAND	Copeland	185.72	178.61	184.70	167.65	189.33	181.20
SCARLETT	Scarlett	183.88	181.54	187.36	172.00	191.34	183.22

	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
Mean	183.81	179.12	183.61	168.91	189.03	180.90
C.V.	1.04	0.64	0.77	1.60	0.61	0.93
F-value	12.52	7.88	12.10	2.77	15.97	10.25
L.S.D.	2.27	1.47	1.70	3.35	1.35	2.03
Efficiency of Design Rel to RCB	101.9	124.37	100.29	99.1	100	***

Plant Ht in

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
2B965057	Conrad	29.11	23.23	24.80	33.92	26.60	27.53
6B952482	Tradition	34.58	25.35	30.54	37.85	30.76	31.82
MT010158	Amsterdam	29.31	20.10	27.83	33.85	27.09	27.63
MT010160	MT920041/Harrington	28.71	23.50	28.46	38.04	29.68	29.68
MT020155	MT960225/H1851195	31.36	24.41	28.49	38.32	29.06	30.33
MT020162	MT960225/H1851195	32.04	25.04	26.51	35.17	28.61	29.47
MT020167	MT960225/H3860224	31.16	24.84	27.12	37.07	27.75	29.59
MT020204	MTLB 32/H1851195	30.21	23.62	27.09	35.38	30.44	29.35
MT020205	MTLB 32/H1851195	30.02	24.59	28.28	37.63	29.14	29.93
MT030042	MT910189/MT960099	28.82	21.33	26.14	32.99	26.72	27.20
MT030063	MT950155/Harrington	30.17	25.34	29.36	37.19	30.09	30.43
MT030079	MT950186/MT960225	30.13	23.71	27.07	35.66	26.75	28.67
MT040073	MT960045/Harrington	30.78	22.97	25.46	36.07	27.25	28.51
MT040209	MT960228/MT950186	31.26	21.49	24.86	35.28	26.81	27.94
MT050030	GS 1750/Bearpaw	30.80	23.17	27.47	36.32	28.39	29.23
MT050062	Harrington/MT960225	30.84	27.05	29.47	38.11	29.13	30.92
MT061032	Baronesse/MT981210	27.40	24.59	23.34	33.34	26.99	27.13
MT061035	Baronesse/MT981210	28.61	23.50	25.19	33.95	29.51	28.15
EM090117	03013-25	24.93	21.41	21.79	30.28	26.11	24.90
EM090128	03021-03	23.20	21.30	23.39	29.14	25.20	24.45
MT061104	Harrington/MT970229	31.92	24.46	27.70	37.79	28.34	30.04
MT061169	MT960101/Coors 37	26.92	21.62	24.56	33.98	26.98	26.81
MT070063	MT010178/MT970116	33.14	24.52	30.69	38.46	30.97	31.55
MT070086	MT970148/Coors 37	23.91	18.07	19.51	25.98	21.72	21.84
MT070111	MT010178/Harrington	31.32	27.02	25.92	34.47	28.31	29.41
MT070125	MT981210/MT970116	32.37	26.91	29.05	37.13	28.81	30.85
MT070148	MT990172/Metcalfe	29.21	23.19	25.67	35.63	26.92	28.12
MT070156	MT970148/Klages	27.16	23.05	25.40	34.64	26.40	27.33
MT070157	MT970148/Klages	29.98	23.28	25.59	34.85	26.00	27.94
MT070158	MT970148/Klages	30.34	22.29	24.40	33.20	27.08	27.46
MT070159	MT970148/Klages	27.90	22.50	23.77	32.65	25.22	26.41
MT070161	MT970148/Klages	29.57	20.25	24.73	33.60	26.72	26.97
MT070175	LK644///Hockett F5	32.28	23.03	29.14	37.90	27.53	29.98
MT080001	Amulet/Metcalfe	25.22	22.87	23.06	27.59	25.49	24.84
MT080017	Amulet/MT960101	29.39	23.51	27.55	37.34	30.02	29.56
MT080077	Coors/Kendall	26.80	21.05	23.81	30.90	26.54	25.82
MT080081	Coors/Metcalfe	27.04	22.38	22.92	30.96	27.02	26.06
MT080083	Coors/Metcalfe	26.07	23.19	24.84	30.35	25.93	26.08
MT080084	Coors/Metcalfe	24.80	22.24	23.45	30.94	26.51	25.59
MT080085	Coors/Metcalfe	28.77	25.27	26.10	32.93	27.26	28.07
EM090130	03021-35	25.40	22.54	21.89	28.78	24.32	24.59
EM090134	03021-74	28.69	24.44	24.19	31.17	27.25	27.15
MT080100	Karma	32.42	27.54	31.12	38.78	31.47	32.27
MT080172	Klages/Stratus	30.77	22.00	29.68	37.75	27.89	29.62
MT080179	Metcalfe/MT990106	34.19	21.98	28.13	38.06	30.89	30.65
MT080243	MT960101/MT981210	30.76	24.95	26.99	36.81	31.23	30.15
MT080261	MT970026/MT981091	29.73	23.79	28.88	34.56	26.88	28.77
MT080274	MT970148/Conlon	29.93	20.56	26.98	33.74	26.76	27.59
MT080277	MT970148/Merit	28.08	22.36	25.53	32.30	25.93	26.84
MT080279	MT970148/MT970116	28.36	22.01	26.03	32.82	26.24	27.09
MT080281	MT970148/MT970116	28.39	21.69	24.60	31.61	27.24	26.70
MT080283	MT970148/MT970116	28.53	20.80	25.09	32.46	26.42	26.66

Plant Ht in

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
MT080284	MT970148/MT970116	26.90	21.30	24.44	33.16	26.46	26.45
MT080285	MT970148/MT970116	27.94	20.32	23.01	31.32	26.44	25.81
MT910189	Hockett	28.92	23.92	27.60	36.09	27.36	28.78
MT950186	Haxby	31.29	20.61	26.14	36.72	27.30	28.41
MT960101	Geraldine	27.33	23.01	23.81	35.13	26.87	27.23
MT970116	Craft	33.97	26.15	30.89	38.30	30.54	31.97
PI568246	Baronesse	27.91	22.99	23.67	34.91	27.87	27.47
PI643354	Pinnacle	31.27	22.51	26.02	36.95	28.40	29.03
SK 76333	Harrington	32.59	24.05	28.50	34.36	28.02	29.51
TR232	Metcalfe	30.17	26.46	29.53	35.12	28.91	30.04
COPELAND	Copeland	32.90	25.52	28.49	38.34	32.45	31.54
SCARLETT	Scarlett	26.94	21.25	21.31	29.27	25.35	24.82

	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
Mean	29.39	23.19	26.14	34.46	27.66	28.17
C.V.	3.28	4.31	3.07	2.42	1.97	3.01
F-value	5.45	2.34	7.01	10.94	9.04	6.96
L.S.D.	2.99	3.57	2.54	2.30	1.74	2.63
Efficiency of Design Rel to RCB	106.41	139.17	101.32	102.78	106.11	***

Protein %

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
2B965057	Conrad	12.75	11.49	11.40	9.67	11.53	11.37
6B952482	Tradition	12.19	11.45	9.90	9.90	11.74	11.04
MT010158	Amsterdam	13.22	12.14	12.00	10.29	12.00	11.93
MT010160	MT920041/Harrington	11.99	10.41	10.00	9.68	11.25	10.67
MT020155	MT960225/H1851195	12.95	10.55	10.80	9.87	11.78	11.19
MT020162	MT960225/H1851195	13.17	11.60	9.20	9.99	12.00	11.19
MT020167	MT960225/H3860224	12.08	12.24	9.80	9.59	12.47	11.24
MT020204	MTLB 32/H1851195	12.81	11.88	8.60	9.72	11.34	10.87
MT020205	MTLB 32/H1851195	12.79	11.33	12.10	10.06	11.67	11.59
MT030042	MT910189/MT960099	11.05	10.68	10.80	9.15	10.44	10.42
MT030063	MT950155/Harrington	12.44	11.44	11.90	9.59	11.44	11.36
MT030079	MT950186/MT960225	11.90	11.41	8.90	9.10	12.22	10.71
MT040073	MT960045/Harrington	12.56	10.78	9.60	10.33	12.57	11.17
MT040209	MT960228/MT950186	13.24	10.76	9.40	10.15	11.27	10.96
MT050030	GS 1750/Bearpaw	11.36	11.31	9.60	9.26	11.10	10.52
MT050062	Harrington/MT960225	11.37	10.96	10.20	9.11	11.05	10.54
MT061032	Baronesse/MT981210	12.45	11.48	8.70	9.46	11.85	10.79
MT061035	Baronesse/MT981210	12.58	11.12	11.30	9.09	11.43	11.10
EM090117	03013-25	12.74	11.67	9.00	9.91	12.01	11.07
EM090128	03021-03	11.84	10.76	9.80	9.81	11.37	10.72
MT061104	Harrington/MT970229	12.80	11.05	9.90	9.97	11.44	11.03
MT061169	MT960101/Coors 37	12.45	11.58	9.70	9.54	11.70	10.99
MT070063	MT010178/MT970116	12.34	11.08	9.60	9.51	11.15	10.74
MT070086	MT970148/Coors 37	12.90	13.06	10.20	9.31	11.86	11.47
MT070111	MT010178/Harrington	12.19	10.99	9.20	9.33	11.04	10.55
MT070125	MT981210/MT970116	12.52	11.34	10.60	9.89	11.24	11.12
MT070148	MT990172/Metcalfe	12.41	11.56	9.20	10.30	11.84	11.06
MT070156	MT970148/Klages	12.19	11.31	9.50	9.86	11.02	10.78
MT070157	MT970148/Klages	12.46	11.11	8.80	9.90	10.79	10.61
MT070158	MT970148/Klages	12.60	11.81	10.30	9.71	11.84	11.25
MT070159	MT970148/Klages	12.08	10.75	9.60	9.53	10.97	10.59
MT070161	MT970148/Klages	12.51	11.76	9.10	9.60	11.56	10.91
MT070175	LK644///Hockett F5	11.61	10.17	9.40	9.60	10.90	10.34
MT080001	Amulet/Metcalfe	13.16	11.84	13.00	9.58	13.08	12.13
MT080017	Amulet/MT960101	12.19	10.89	8.70	9.86	11.52	10.63
MT080077	Coors/Kendall	12.24	11.98	11.90	9.74	11.63	11.50
MT080081	Coors/Metcalfe	12.36	11.58	11.30	9.74	11.96	11.39
MT080083	Coors/Metcalfe	12.26	12.55	13.10	9.76	12.13	11.96
MT080084	Coors/Metcalfe	12.65	12.26	12.60	9.96	11.96	11.89
MT080085	Coors/Metcalfe	12.46	11.72	11.40	9.75	10.89	11.24
EM090130	03021-35	12.36	11.35	9.80	10.11	11.59	11.04
EM090134	03021-74	12.85	11.29	10.30	9.83	11.86	11.23
MT080100	Karma	14.07	14.07	12.30	14.68	14.40	13.90
MT080172	Klages/Stratus	13.01	10.56	11.90	10.26	11.46	11.44
MT080179	Metcalfe/MT990106	13.08	12.71	10.40	10.23	12.03	11.69
MT080243	MT960101/MT981210	12.57	12.13	8.70	9.49	11.48	10.88
MT080261	MT970026/MT981091	12.55	10.98	12.20	10.04	12.00	11.55
MT080274	MT970148/Conlon	12.33	10.05	8.90	9.41	10.91	10.32
MT080277	MT970148/Merit	12.20	10.93	9.90	9.84	11.62	10.90
MT080279	MT970148/MT970116	12.13	12.19	10.30	9.14	11.24	11.00
MT080281	MT970148/MT970116	12.17	11.54	8.80	9.17	10.92	10.52
MT080283	MT970148/MT970116	12.32	11.30	9.30	9.42	11.15	10.70

Protein %

ID	PEDIGREE	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
MT080284	MT970148/MT970116	12.27	10.91	9.50	9.36	11.42	10.69
MT080285	MT970148/MT970116	12.86	11.05	8.80	9.40	11.41	10.70
MT910189	Hockett	12.12	10.88	9.60	9.98	11.54	10.82
MT950186	Haxby	11.90	10.04	9.60	10.09	11.89	10.71
MT960101	Geraldine	12.68	12.71	9.30	9.76	10.97	11.08
MT970116	Craft	12.54	11.87	11.00	10.28	11.92	11.52
PI568246	Baronesse	11.81	11.86	10.50	9.08	11.64	10.98
PI643354	Pinnacle	11.99	10.06	9.40	9.14	10.97	10.31
SK 76333	Harrington	12.45	10.81	9.10	10.12	11.61	10.82
TR232	Metcalfe	13.01	10.52	10.50	9.89	11.69	11.12
COPELAND	Copeland	13.01	10.82	9.00	9.56	10.94	10.67
SCARLETT	Scarlett	12.22	9.57	9.60	10.20	12.38	10.79

	Havre	Sidney	Moccasin	Huntley	Bozeman	Mean
Mean	12.44	11.34	10.14	9.79	11.60	11.06
C.V.	1.63	1.83	***	1.06	1.02	1.38
F-value	1.99	4.39	***	11.47	7.93	6.45
L.S.D.	0.99	1.07	***	0.58	0.59	0.81
Efficiency of Design Rel to RCB	159.06	169.39	***	136.93	160.72	***

2010 Spring Barley Summary **Irrigated Locations (1)**

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	119.70	51.12	91.26	2.69	12.63	181.64	31.21
6B952482	Tradition	101.36	49.29	89.32	2.03	12.14	179.16	33.67
COPELAND	Copeland	111.61	50.35	92.10	2.44	11.34	181.87	35.08
EM090117	03013-25	113.31	50.64	94.74	0.81	12.47	185.28	29.27
EM090128	03021-03	121.79	50.50	89.91	2.46	11.85	184.04	27.70
EM090130	03021-35	117.24	51.86	93.47	1.45	11.96	185.24	26.83
EM090134	03021-74	108.31	50.12	89.90	2.22	12.22	183.97	30.30
MT010158	Amsterdam	101.43	50.27	90.08	3.02	12.42	180.54	30.34
MT010160	MT920041/Harrington	100.34	51.67	88.05	3.79	12.40	181.78	32.52
MT020155	MT960225/H1851195	110.93	50.21	85.82	5.09	11.83	177.83	31.52
MT020162	MT960225/H1851195	111.13	51.38	90.93	2.61	12.07	182.09	32.64
MT020167	MT960225/H3860224	108.25	51.49	91.90	2.80	12.41	181.08	32.20
MT020204	MTLB 32/H1851195	107.84	51.29	86.64	4.21	12.17	178.79	31.90
MT020205	MTLB 32/H1851195	115.34	50.40	86.03	5.33	12.67	178.39	32.39
MT030042	MT910189/MT960099	105.40	51.59	85.96	5.94	10.94	179.01	29.34
MT030063	MT950155/Harrington	108.72	51.69	91.78	2.57	11.62	182.06	33.20
MT030079	MT950186/MT960225	111.07	52.54	92.50	2.28	11.62	181.29	31.68
MT040073	MT960045/Harrington	105.56	52.63	90.06	3.37	12.67	180.48	31.95
MT040209	MT960228/MT950186	119.66	51.09	87.08	4.27	11.74	181.64	32.25
MT050030	GS 1750/Bearpaw	116.85	50.75	91.27	2.74	11.28	181.82	32.33
MT050062	Harrington/MT960225	111.21	51.96	92.30	2.39	10.82	182.69	34.54
MT061032	Baronesse/MT981210	119.06	50.79	90.64	3.23	11.98	182.11	30.36
MT061035	Baronesse/MT981210	120.20	51.06	90.71	3.33	11.85	181.95	31.70
MT061104	Harrington/MT970229	111.34	50.79	92.01	2.67	12.18	179.87	31.89
MT061169	MT960101/Coors 37	116.59	51.24	88.84	4.11	12.45	181.99	30.67
MT070063	MT010178/MT970116	109.37	51.58	89.78	3.21	11.99	179.90	48.83
MT070086	MT970148/Coors 37	117.17	50.50	90.62	2.46	11.68	182.09	26.40
MT070111	MT010178/Harrington	103.74	51.15	89.19	4.22	11.94	181.76	32.20
MT070125	MT981210/MT970116	112.46	51.71	91.25	3.07	11.68	182.00	31.82
MT070148	MT990172/Metcalfe	113.77	51.47	96.19	0.88	12.26	180.51	31.54
MT070156	MT970148/Klages	119.33	51.36	92.28	2.61	11.75	179.54	30.29
MT070157	MT970148/Klages	114.45	51.51	92.83	2.35	11.92	179.39	29.86
MT070158	MT970148/Klages	116.93	51.56	93.28	2.36	11.86	180.37	30.22
MT070159	MT970148/Klages	119.01	51.34	91.23	3.12	11.81	179.98	30.39
MT070161	MT970148/Klages	118.46	51.55	92.38	2.79	11.77	179.47	29.05
MT070175	LK644///Hockett F5	107.37	50.78	92.13	2.60	10.72	180.85	33.37
MT080001	Amulet/Metcalfe	108.83	52.28	94.43	1.37	12.83	183.24	28.33
MT080017	Amulet/MT960101	114.29	51.93	93.27	1.58	11.47	183.33	33.22
MT080077	Coors/Kendall	116.02	51.09	93.38	1.87	12.22	183.61	29.64
MT080081	Coors/Metcalfe	110.91	51.03	91.83	2.40	12.59	183.87	29.68
MT080083	Coors/Metcalfe	114.46	50.77	91.91	1.99	12.28	182.88	30.15
MT080084	Coors/Metcalfe	110.55	51.31	93.06	1.48	12.36	183.85	29.44
MT080085	Coors/Metcalfe	116.10	51.32	90.56	3.14	11.95	182.36	30.74
MT080100	Karma	51.11	59.07	88.02	3.79	15.30	182.11	33.62
MT080172	Klages/Stratus	103.83	49.86	87.09	4.57	12.30	180.01	31.31
MT080179	Metcalfe/MT990106	105.77	52.00	94.51	1.33	12.42	180.27	34.58
MT080243	MT960101/MT981210	107.86	50.93	89.47	3.83	12.09	181.80	33.72
MT080261	MT970026/MT981091	105.77	50.33	82.05	6.91	12.12	179.58	29.86
MT080274	MT970148/Conlon	116.45	50.38	91.13	2.83	11.59	178.70	29.43
MT080277	MT970148/Merit	110.02	50.23	90.87	2.99	11.97	180.36	29.95
MT080279	MT970148/MT970116	117.11	50.82	90.60	2.85	11.60	180.10	29.19
MT080281	MT970148/MT970116	112.58	50.48	91.24	2.85	11.47	179.72	28.54
MT080283	MT970148/MT970116	118.53	51.02	92.71	2.53	11.75	180.10	28.15

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

State Wide

ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
MT080284	MT970148/MT970116	117.74	50.89	91.67	2.49	11.57	179.55	29.63
MT080285	MT970148/MT970116	117.44	51.37	93.00	2.11	11.77	180.18	28.94
MT910189	Hockett	105.44	51.42	89.51	3.80	11.66	178.67	32.06
MT950186	Haxby	111.08	51.90	90.71	3.10	12.14	179.59	31.65
MT960101	Geraldine	113.35	50.83	87.07	4.48	11.63	182.90	30.73
MT970116	Craft	106.39	52.41	92.05	2.80	11.90	180.35	34.98
PI568246	Baronesse	119.10	51.81	92.24	2.46	11.94	182.20	29.94
PI643354	Pinnacle	98.53	50.40	94.92	1.44	10.68	178.13	32.81
SCARLETT	Scarlett	114.03	50.95	94.87	1.12	12.14	183.79	29.17
SK 76333	Harrington	109.52	50.22	90.97	2.77	11.88	181.88	33.02
TR232	Metcalfe	104.46	50.51	90.63	2.98	12.23	180.47	32.70

	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
Mean	110.99	51.23	90.91	2.90	11.98	181.19	31.35
C.V.	6.73	1.51	2.61	36.05	3.18	0.70	11.12
P-value	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
F-Value	8.23	16.98	4.71	7.25	16.66	166.26	6.52
L.S.D.	12.08	1.25	3.84	1.69	0.62	2.05	5.63

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

Yield
bu/ac

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
2B965057	Conrad	122.48	106.56	130.05	119.70
6B952482	Tradition	86.27	101.25	116.56	101.36
MT010158	Amsterdam	105.33	83.40	115.55	101.43
MT010160	MT920041/Harrington	90.71	90.82	119.50	100.34
MT020155	MT960225/H1851195	91.64	113.45	127.69	110.93
MT020162	MT960225/H1851195	110.93	101.81	120.65	111.13
MT020167	MT960225/H3860224	96.46	107.59	120.70	108.25
MT020204	MTLB 32/H1851195	100.65	103.55	119.31	107.84
MT020205	MTLB 32/H1851195	109.96	108.92	127.15	115.34
MT030042	MT910189/MT960099	84.06	101.84	130.29	105.40
MT030063	MT950155/Harrington	108.86	102.35	114.93	108.72
MT030079	MT950186/MT960225	105.52	106.40	121.28	111.07
MT040073	MT960045/Harrington	103.47	110.87	102.32	105.56
MT040209	MT960228/MT950186	122.13	117.24	119.61	119.66
MT050030	GS 1750/Bearpaw	108.21	117.21	125.14	116.85
MT050062	Harrington/MT960225	103.83	106.56	123.23	111.21
MT061032	Baronesse/MT981210	107.33	116.14	133.73	119.06
MT061035	Baronesse/MT981210	121.17	110.32	129.12	120.20
EM090117	03013-25	120.97	94.34	124.61	113.31
EM090128	03021-03	120.41	112.93	132.02	121.79
MT061104	Harrington/MT970229	101.10	107.24	125.69	111.34
MT061169	MT960101/Coors 37	116.77	110.89	122.11	116.59
MT070063	MT010178/MT970116	109.55	101.81	116.75	109.37
MT070086	MT970148/Coors 37	117.70	92.30	141.52	117.17
MT070111	MT010178/Harrington	98.66	99.01	113.56	103.74
MT070125	MT981210/MT970116	105.79	111.61	119.97	112.46
MT070148	MT990172/Metcalfe	101.91	108.80	130.59	113.77
MT070156	MT970148/Klages	109.23	113.59	135.18	119.33
MT070157	MT970148/Klages	111.28	105.22	126.85	114.45
MT070158	MT970148/Klages	112.34	101.59	136.85	116.93
MT070159	MT970148/Klages	110.41	111.12	135.49	119.01
MT070161	MT970148/Klages	113.18	105.09	137.12	118.46
MT070175	LK644///Hockett F5	101.07	100.31	120.72	107.37
MT080001	Amulet/Metcalfe	101.34	105.27	119.87	108.83
MT080017	Amulet/MT960101	106.03	108.75	128.08	114.29
MT080077	Coors/Kendall	118.98	104.97	124.11	116.02
MT080081	Coors/Metcalfe	111.23	100.34	121.17	110.91
MT080083	Coors/Metcalfe	114.95	108.85	119.59	114.46
MT080084	Coors/Metcalfe	106.91	102.79	121.97	110.55
MT080085	Coors/Metcalfe	105.19	114.10	129.02	116.10
EM090130	03021-35	112.31	103.29	136.11	117.24
EM090134	03021-74	112.17	92.09	120.68	108.31
MT080100	Karma	65.53	44.49	43.30	51.11
MT080172	Klages/Stratus	101.56	102.56	107.36	103.83
MT080179	Metcalfe/MT990106	101.56	105.31	110.45	105.77
MT080243	MT960101/MT981210	103.51	108.49	111.56	107.86
MT080261	MT970026/MT981091	95.36	101.78	120.16	105.77
MT080274	MT970148/Conlon	103.99	113.84	131.52	116.45
MT080277	MT970148/Merit	97.69	105.91	126.45	110.02
MT080279	MT970148/MT970116	108.41	107.55	135.38	117.11
MT080281	MT970148/MT970116	102.48	104.14	131.13	112.58
MT080283	MT970148/MT970116	103.26	111.09	141.25	118.53

Yield
bu/ac

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
MT080284	MT970148/MT970116	110.53	107.53	135.16	117.74
MT080285	MT970148/MT970116	112.93	113.83	125.55	117.44
MT910189	Hockett	96.29	103.56	116.46	105.44
MT950186	Haxby	102.55	115.45	115.22	111.08
MT960101	Geraldine	106.91	107.12	126.03	113.35
MT970116	Craft	99.80	109.62	109.74	106.39
PI568246	Baronesse	110.81	114.46	132.02	119.10
PI643354	Pinnacle	84.54	102.39	108.67	98.53
SK 76333	Harrington	97.66	106.05	124.85	109.52
TR232	Metcalfe	90.68	108.89	113.80	104.46
COPELAND	Copeland	104.56	111.31	118.95	111.61
SCARLETT	Scarlett	114.08	100.65	127.37	114.03

	Bozeman	Sidney	Huntley	Mean
Mean	105.21	105.13	122.64	110.99
C.V.	7.23	5.70	6.53	6.48
F-Value	5.18	7.74	8.82	7.25
L.S.D.	12.60	9.85	11.68	11.38
Efficiency of Design Rel to RCB	114.54	107.96	101.56	***

Test Wt
lbs/bu

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
2B965057	Conrad	50.35	50.00	53.00	51.12
6B952482	Tradition	49.18	46.50	52.20	49.29
MT010158	Amsterdam	50.62	47.50	52.70	50.27
MT010160	MT920041/Harrington	52.43	49.50	53.07	51.67
MT020155	MT960225/H1851195	49.72	48.50	52.41	50.21
MT020162	MT960225/H1851195	51.49	49.50	53.14	51.38
MT020167	MT960225/H3860224	49.73	51.00	53.74	51.49
MT020204	MTLB 32/H1851195	50.67	49.50	53.69	51.29
MT020205	MTLB 32/H1851195	49.45	49.00	52.74	50.40
MT030042	MT910189/MT960099	50.24	50.50	54.01	51.59
MT030063	MT950155/Harrington	51.83	50.00	53.25	51.69
MT030079	MT950186/MT960225	52.29	51.00	54.33	52.54
MT040073	MT960045/Harrington	52.70	52.00	53.20	52.63
MT040209	MT960228/MT950186	50.91	49.50	52.86	51.09
MT050030	GS 1750/Bearpaw	49.78	49.50	52.97	50.75
MT050062	Harrington/MT960225	50.62	51.00	54.27	51.96
MT061032	Baronesse/MT981210	49.31	50.50	52.57	50.79
MT061035	Baronesse/MT981210	50.20	50.00	52.98	51.06
EM090117	03013-25	50.91	48.00	53.00	50.64
EM090128	03021-03	49.95	49.00	52.56	50.50
MT061104	Harrington/MT970229	49.70	49.00	53.66	50.79
MT061169	MT960101/Coors 37	51.62	49.00	53.09	51.24
MT070063	MT010178/MT970116	51.35	50.00	53.39	51.58
MT070086	MT970148/Coors 37	50.58	48.50	52.43	50.50
MT070111	MT010178/Harrington	50.44	50.00	53.01	51.15
MT070125	MT981210/MT970116	50.79	51.00	53.35	51.71
MT070148	MT990172/Metcalfe	50.86	49.50	54.05	51.47
MT070156	MT970148/Klages	50.90	50.00	53.18	51.36
MT070157	MT970148/Klages	51.61	49.50	53.42	51.51
MT070158	MT970148/Klages	51.55	50.00	53.12	51.56
MT070159	MT970148/Klages	50.78	50.50	52.74	51.34
MT070161	MT970148/Klages	51.62	49.50	53.53	51.55
MT070175	LK644///Hockett F5	49.99	50.00	52.37	50.78
MT080001	Amulet/Metcalfe	50.50	52.00	54.35	52.28
MT080017	Amulet/MT960101	51.36	50.00	54.44	51.93
MT080077	Coors/Kendall	51.28	49.00	52.99	51.09
MT080081	Coors/Metcalfe	51.32	49.00	52.77	51.03
MT080083	Coors/Metcalfe	51.40	48.00	52.91	50.77
MT080084	Coors/Metcalfe	50.84	50.00	53.10	51.31
MT080085	Coors/Metcalfe	48.85	51.00	54.12	51.32
EM090130	03021-35	51.32	50.00	54.27	51.86
EM090134	03021-74	49.58	48.00	52.79	50.12
MT080100	Karma	60.40	57.50	59.31	59.07
MT080172	Klages/Stratus	49.17	48.50	51.91	49.86
MT080179	Metcalfe/MT990106	51.85	51.00	53.16	52.00
MT080243	MT960101/MT981210	49.82	50.50	52.47	50.93
MT080261	MT970026/MT981091	50.69	48.00	52.30	50.33
MT080274	MT970148/Conlon	49.34	50.00	51.79	50.38
MT080277	MT970148/Merit	49.61	48.50	52.57	50.23
MT080279	MT970148/MT970116	50.43	49.50	52.53	50.82
MT080281	MT970148/MT970116	50.38	48.00	53.07	50.48
MT080283	MT970148/MT970116	50.53	49.50	53.03	51.02

Test Wt
lbs/bu

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
MT080284	MT970148/MT970116	50.91	48.50	53.24	50.89
MT080285	MT970148/MT970116	50.76	50.00	53.34	51.37
MT910189	Hockett	50.82	50.00	53.43	51.42
MT950186	Haxby	50.71	52.00	53.01	51.90
MT960101	Geraldine	49.71	49.00	53.78	50.83
MT970116	Craft	52.20	51.00	54.03	52.41
PI568246	Baronesse	51.06	51.00	53.36	51.81
PI643354	Pinnacle	49.39	49.50	52.31	50.40
SK 76333	Harrington	48.13	50.00	52.53	50.22
TR232	Metcalfe	49.38	50.00	52.16	50.51
COPELAND	Copeland	49.82	49.50	51.74	50.35
SCARLETT	Scarlett	50.13	50.00	52.72	50.95

	Bozeman	Sidney	Huntley	Mean
Mean	50.72	49.80	53.18	51.23
C.V.	1.50	***	0.73	1.11
F-Value	5.23	***	9.53	7.38
L.S.D.	1.73	***	0.86	1.30
Efficiency of Design Rel to RCB	97.54	***	98.85	***

Plump %

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
2B965057	Conrad	92.52	90.00	91.25	91.26
6B952482	Tradition	92.61	82.00	93.36	89.32
MT010158	Amsterdam	93.97	85.00	91.26	90.08
MT010160	MT920041/Harrington	94.09	84.00	86.06	88.05
MT020155	MT960225/H1851195	89.43	82.00	86.04	85.82
MT020162	MT960225/H1851195	94.98	88.00	89.81	90.93
MT020167	MT960225/H3860224	90.83	92.00	92.87	91.90
MT020204	MTLB 32/H1851195	90.79	80.00	89.12	86.64
MT020205	MTLB 32/H1851195	89.48	83.00	85.60	86.03
MT030042	MT910189/MT960099	80.59	90.00	87.28	85.96
MT030063	MT950155/Harrington	94.68	89.00	91.67	91.78
MT030079	MT950186/MT960225	93.45	91.00	93.06	92.50
MT040073	MT960045/Harrington	94.36	89.00	86.83	90.06
MT040209	MT960228/MT950186	90.30	88.00	82.93	87.08
MT050030	GS 1750/Bearpaw	93.08	89.00	91.73	91.27
MT050062	Harrington/MT960225	93.65	90.00	93.25	92.30
MT061032	Baronesse/MT981210	94.30	89.00	88.63	90.64
MT061035	Baronesse/MT981210	93.76	88.00	90.37	90.71
EM090117	03013-25	97.49	91.00	95.72	94.74
EM090128	03021-03	91.49	86.00	92.24	89.91
MT061104	Harrington/MT970229	95.16	88.00	92.88	92.01
MT061169	MT960101/Coors 37	87.67	89.00	89.85	88.84
MT070063	MT010178/MT970116	93.88	87.00	88.46	89.78
MT070086	MT970148/Coors 37	94.08	87.00	90.79	90.62
MT070111	MT010178/Harrington	89.86	89.00	88.72	89.19
MT070125	MT981210/MT970116	92.01	90.00	91.76	91.25
MT070148	MT990172/Metcalfe	96.76	95.00	96.81	96.19
MT070156	MT970148/Klages	95.43	89.00	92.41	92.28
MT070157	MT970148/Klages	94.98	91.00	92.49	92.83
MT070158	MT970148/Klages	95.42	93.00	91.43	93.28
MT070159	MT970148/Klages	92.87	91.00	89.82	91.23
MT070161	MT970148/Klages	94.96	90.00	92.19	92.38
MT070175	LK644///Hockett F5	93.77	91.00	91.61	92.13
MT080001	Amulet/Metcalfe	96.81	91.00	95.48	94.43
MT080017	Amulet/MT960101	94.78	90.00	95.03	93.27
MT080077	Coors/Kendall	96.34	89.00	94.78	93.38
MT080081	Coors/Metcalfe	94.47	88.00	93.03	91.83
MT080083	Coors/Metcalfe	96.14	85.00	94.57	91.91
MT080084	Coors/Metcalfe	96.89	88.00	94.31	93.06
MT080085	Coors/Metcalfe	85.90	93.00	92.79	90.56
EM090130	03021-35	97.16	89.00	94.25	93.47
EM090134	03021-74	92.80	86.00	90.89	89.90
MT080100	Karma	91.29	88.00	84.77	88.02
MT080172	Klages/Stratus	89.30	87.00	84.96	87.09
MT080179	Metcalfe/MT990106	95.35	94.00	94.19	94.51
MT080243	MT960101/MT981210	89.37	91.00	88.06	89.47
MT080261	MT970026/MT981091	84.18	77.00	84.97	82.05
MT080274	MT970148/Conlon	93.97	90.00	89.41	91.13
MT080277	MT970148/Merit	92.29	88.00	92.31	90.87
MT080279	MT970148/MT970116	92.31	90.00	89.51	90.60
MT080281	MT970148/MT970116	93.47	89.00	91.25	91.24
MT080283	MT970148/MT970116	95.03	91.00	92.09	92.71

Plump %

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
MT080284	MT970148/MT970116	92.59	90.00	92.42	91.67
MT080285	MT970148/MT970116	92.75	92.00	94.24	93.00
MT910189	Hockett	87.80	88.00	92.73	89.51
MT950186	Haxby	91.65	90.00	90.49	90.71
MT960101	Geraldine	87.18	83.00	91.04	87.07
MT970116	Craft	92.72	91.00	92.45	92.05
PI568246	Baronesse	94.12	92.00	90.61	92.24
PI643354	Pinnacle	95.96	94.00	94.80	94.92
SK 76333	Harrington	92.42	91.00	89.49	90.97
TR232	Metcalfe	91.29	91.00	89.60	90.63
COPELAND	Copeland	94.57	93.00	88.72	92.10
SCARLETT	Scarlett	96.15	93.00	95.47	94.87

	Bozeman	Sidney	Huntley	Mean
Mean	92.81	88.88	91.05	90.91
C.V.	1.76	***	2.27	2.02
F-Value	9.58	***	5.18	7.38
L.S.D.	2.74	***	3.50	3.12
Efficiency of Design Rel to RCB	100.94	***	101.85	***

Heading Date

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
2B965057	Conrad	192.25	182.68	170.00	181.64
6B952482	Tradition	191.38	180.70	165.38	179.16
MT010158	Amsterdam	190.04	182.33	169.23	180.54
MT010160	MT920041/Harrington	193.31	182.31	169.73	181.78
MT020155	MT960225/H1851195	188.44	180.34	164.71	177.83
MT020162	MT960225/H1851195	193.21	183.01	170.04	182.09
MT020167	MT960225/H3860224	191.62	182.00	169.60	181.08
MT020204	MTLB 32/H1851195	190.30	180.98	165.09	178.79
MT020205	MTLB 32/H1851195	188.60	181.30	165.27	178.39
MT030042	MT910189/MT960099	189.07	181.36	166.60	179.01
MT030063	MT950155/Harrington	193.85	183.32	169.00	182.06
MT030079	MT950186/MT960225	192.57	181.66	169.64	181.29
MT040073	MT960045/Harrington	191.33	181.34	168.77	180.48
MT040209	MT960228/MT950186	192.27	182.35	170.30	181.64
MT050030	GS 1750/Bearpaw	194.04	182.69	168.72	181.82
MT050062	Harrington/MT960225	194.67	182.67	170.73	182.69
MT061032	Baronesse/MT981210	192.73	182.67	170.94	182.11
MT061035	Baronesse/MT981210	192.53	182.98	170.34	181.95
EM090117	03013-25	196.79	184.01	175.05	185.28
EM090128	03021-03	195.51	183.00	173.60	184.04
MT061104	Harrington/MT970229	191.99	181.99	165.63	179.87
MT061169	MT960101/Coors 37	192.30	182.65	171.00	181.99
MT070063	MT010178/MT970116	192.06	181.34	166.30	179.90
MT070086	MT970148/Coors 37	193.26	181.31	171.70	182.09
MT070111	MT010178/Harrington	192.61	182.33	170.33	181.76
MT070125	MT981210/MT970116	194.70	183.02	168.29	182.00
MT070148	MT990172/Metcalfe	191.92	181.32	168.28	180.51
MT070156	MT970148/Klages	189.96	180.99	167.69	179.54
MT070157	MT970148/Klages	188.49	181.34	168.33	179.39
MT070158	MT970148/Klages	191.17	181.35	168.60	180.37
MT070159	MT970148/Klages	188.97	181.67	169.30	179.98
MT070161	MT970148/Klages	189.68	181.03	167.71	179.47
MT070175	LK644///Hockett F5	192.88	181.96	167.72	180.85
MT080001	Amulet/Metcalfe	195.10	182.98	171.64	183.24
MT080017	Amulet/MT960101	194.21	183.68	172.10	183.33
MT080077	Coors/Kendall	194.92	182.63	173.29	183.61
MT080081	Coors/Metcalfe	195.60	182.00	174.01	183.87
MT080083	Coors/Metcalfe	193.95	182.36	172.34	182.88
MT080084	Coors/Metcalfe	195.27	182.65	173.62	183.85
MT080085	Coors/Metcalfe	192.37	182.99	171.71	182.36
EM090130	03021-35	196.07	184.00	175.66	185.24
EM090134	03021-74	194.93	183.00	173.99	183.97
MT080100	Karma	195.31	182.64	168.36	182.11
MT080172	Klages/Stratus	190.73	182.32	166.99	180.01
MT080179	Metcalfe/MT990106	191.83	181.34	167.65	180.27
MT080243	MT960101/MT981210	193.32	182.67	169.43	181.80
MT080261	MT970026/MT981091	191.66	181.02	166.07	179.58
MT080274	MT970148/Conlon	189.00	180.64	166.44	178.70
MT080277	MT970148/Merit	190.02	181.67	169.39	180.36
MT080279	MT970148/MT970116	190.43	181.66	168.22	180.10
MT080281	MT970148/MT970116	190.10	180.67	168.41	179.72
MT080283	MT970148/MT970116	190.36	181.67	168.28	180.10

Heading Date

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
MT080284	MT970148/MT970116	190.37	181.32	166.97	179.55
MT080285	MT970148/MT970116	190.87	181.67	167.99	180.18
MT910189	Hockett	188.30	182.03	165.69	178.67
MT950186	Haxby	191.10	180.68	166.99	179.59
MT960101	Geraldine	192.80	183.31	172.58	182.90
MT970116	Craft	191.71	181.99	167.35	180.35
PI568246	Baronesse	193.31	182.34	170.97	182.20
PI643354	Pinnacle	189.05	180.67	164.67	178.13
SK 76333	Harrington	193.33	181.99	170.30	181.88
TR232	Metcalfe	191.44	182.32	167.66	180.47
COPELAND	Copeland	192.62	183.03	169.98	181.87
SCARLETT	Scarlett	194.73	182.99	173.65	183.79

	Bozeman	Sidney	Huntley	Mean
Mean	192.18	182.08	169.31	181.19
C.V.	0.67	0.37	0.62	0.55
F-Value	13.04	8.17	28.6	16.60
L.S.D.	1.51	0.81	1.31	1.21
Efficiency of Design Rel to RCB	103.05	97.80	101.21	***

Plant Ht
in

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
2B965057	Conrad	29.14	26.92	37.56	31.21
6B952482	Tradition	31.89	29.29	39.85	33.67
MT010158	Amsterdam	28.00	26.11	36.92	30.34
MT010160	MT920041/Harrington	29.13	29.92	38.53	32.52
MT020155	MT960225/H1851195	27.07	28.82	38.65	31.52
MT020162	MT960225/H1851195	30.31	30.50	37.09	32.64
MT020167	MT960225/H3860224	29.33	29.89	37.39	32.20
MT020204	MTLB 32/H1851195	28.35	28.22	39.12	31.90
MT020205	MTLB 32/H1851195	29.77	28.94	38.46	32.39
MT030042	MT910189/MT960099	25.60	27.11	35.32	29.34
MT030063	MT950155/Harrington	29.31	30.80	39.48	33.20
MT030079	MT950186/MT960225	27.95	29.06	38.02	31.68
MT040073	MT960045/Harrington	28.56	29.11	38.18	31.95
MT040209	MT960228/MT950186	29.19	28.98	38.58	32.25
MT050030	GS 1750/Bearpaw	28.93	28.53	39.53	32.33
MT050062	Harrington/MT960225	30.70	30.75	42.16	34.54
MT061032	Baronesse/MT981210	28.23	27.15	35.69	30.36
MT061035	Baronesse/MT981210	30.18	28.66	36.25	31.70
EM090117	03013-25	26.43	27.63	33.76	29.27
EM090128	03021-03	24.57	26.21	32.33	27.70
MT061104	Harrington/MT970229	27.94	28.97	38.77	31.89
MT061169	MT960101/Coors 37	28.40	26.72	36.89	30.67
MT070063	MT010178/MT970116	32.54	30.09	83.86	48.83
MT070086	MT970148/Coors 37	23.41	28.14	27.65	26.40
MT070111	MT010178/Harrington	27.52	30.24	38.84	32.20
MT070125	MT981210/MT970116	30.24	29.08	36.16	31.82
MT070148	MT990172/Metcalfe	29.03	28.78	36.81	31.54
MT070156	MT970148/Klages	25.01	28.23	37.63	30.29
MT070157	MT970148/Klages	26.55	27.51	35.53	29.86
MT070158	MT970148/Klages	26.46	28.53	35.66	30.22
MT070159	MT970148/Klages	26.61	28.27	36.28	30.39
MT070161	MT970148/Klages	26.92	26.62	33.60	29.05
MT070175	LK644///Hockett F5	29.73	29.49	40.88	33.37
MT080001	Amulet/Metcalfe	25.53	26.26	33.21	28.33
MT080017	Amulet/MT960101	30.86	28.61	40.19	33.22
MT080077	Coors/Kendall	27.77	27.52	33.61	29.64
MT080081	Coors/Metcalfe	27.56	25.52	35.95	29.68
MT080083	Coors/Metcalfe	27.43	28.53	34.50	30.15
MT080084	Coors/Metcalfe	25.04	27.45	35.83	29.44
MT080085	Coors/Metcalfe	28.48	28.24	35.51	30.74
EM090130	03021-35	23.32	27.40	29.77	26.83
EM090134	03021-74	26.89	29.39	34.60	30.30
MT080100	Karma	31.76	31.14	37.98	33.62
MT080172	Klages/Stratus	28.74	28.69	36.49	31.31
MT080179	Metcalfe/MT990106	32.90	30.19	40.66	34.58
MT080243	MT960101/MT981210	31.49	29.51	40.15	33.72
MT080261	MT970026/MT981091	27.08	27.33	35.17	29.86
MT080274	MT970148/Conlon	26.45	27.67	34.17	29.43
MT080277	MT970148/Merit	25.75	29.02	35.09	29.95
MT080279	MT970148/MT970116	25.37	27.47	34.74	29.19
MT080281	MT970148/MT970116	25.64	26.71	33.26	28.54
MT080283	MT970148/MT970116	26.07	26.85	31.52	28.15

Plant Ht
in

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
MT080284	MT970148/MT970116	26.53	28.77	33.59	29.63
MT080285	MT970148/MT970116	26.79	26.44	33.59	28.94
MT910189	Hockett	28.44	30.25	37.49	32.06
MT950186	Haxby	27.30	28.37	39.30	31.65
MT960101	Geraldine	28.43	27.42	36.35	30.73
MT970116	Craft	31.44	31.27	42.21	34.98
PI568246	Baronesse	27.35	28.22	34.24	29.94
PI643354	Pinnacle	29.55	28.30	40.59	32.81
SK 76333	Harrington	28.84	30.92	39.31	33.02
TR232	Metcalfe	29.33	30.91	37.85	32.70
COPELAND	Copeland	32.16	30.30	42.78	35.08
SCARLETT	Scarlett	26.20	28.93	32.38	29.17

	Bozeman	Sidney	Huntley	Mean
Mean	28.12	28.55	37.40	31.35
C.V.	2.54	2.94	16.13	7.20
F-Value	6.91	2.14	1.2	3.42
L.S.D.	2.27	2.65	15.93	6.95
Efficiency of Design Rel to RCB	109.09	108.03	98.14	105.09

Protein %

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
2B965057	Conrad	12.41	13.57	11.90	12.63
6B952482	Tradition	12.46	12.56	11.39	12.14
MT010158	Amsterdam	12.42	12.99	11.86	12.42
MT010160	MT920041/Harrington	12.12	12.85	12.21	12.40
MT020155	MT960225/H1851195	11.90	12.03	11.56	11.83
MT020162	MT960225/H1851195	11.99	12.61	11.61	12.07
MT020167	MT960225/H3860224	12.29	13.29	11.65	12.41
MT020204	MTLB 32/H1851195	11.98	12.97	11.56	12.17
MT020205	MTLB 32/H1851195	12.29	13.23	12.49	12.67
MT030042	MT910189/MT960099	10.40	11.78	10.63	10.94
MT030063	MT950155/Harrington	11.10	12.64	11.11	11.62
MT030079	MT950186/MT960225	11.47	12.45	10.94	11.62
MT040073	MT960045/Harrington	12.31	13.03	12.68	12.67
MT040209	MT960228/MT950186	11.19	12.47	11.55	11.74
MT050030	GS 1750/Bearpaw	11.29	11.74	10.81	11.28
MT050062	Harrington/MT960225	10.60	11.72	10.15	10.82
MT061032	Baronesse/MT981210	11.70	13.00	11.23	11.98
MT061035	Baronesse/MT981210	11.91	12.88	10.75	11.85
EM090117	03013-25	12.03	13.71	11.68	12.47
EM090128	03021-03	11.40	13.16	10.99	11.85
MT061104	Harrington/MT970229	11.68	13.36	11.49	12.18
MT061169	MT960101/Coors 37	12.27	13.27	11.82	12.45
MT070063	MT010178/MT970116	11.51	13.09	11.36	11.99
MT070086	MT970148/Coors 37	11.51	13.11	10.41	11.68
MT070111	MT010178/Harrington	11.73	13.00	11.08	11.94
MT070125	MT981210/MT970116	11.30	12.60	11.13	11.68
MT070148	MT990172/Metcalfe	12.01	13.50	11.27	12.26
MT070156	MT970148/Klages	11.85	12.86	10.55	11.75
MT070157	MT970148/Klages	11.93	13.00	10.84	11.92
MT070158	MT970148/Klages	11.93	12.74	10.91	11.86
MT070159	MT970148/Klages	11.75	12.68	11.00	11.81
MT070161	MT970148/Klages	11.85	12.71	10.76	11.77
MT070175	LK644///Hockett F5	10.59	11.36	10.22	10.72
MT080001	Amulet/Metcalfe	12.68	13.78	12.03	12.83
MT080017	Amulet/MT960101	11.50	11.91	11.01	11.47
MT080077	Coors/Kendall	11.87	13.82	10.98	12.22
MT080081	Coors/Metcalfe	12.34	13.81	11.62	12.59
MT080083	Coors/Metcalfe	11.94	13.62	11.27	12.28
MT080084	Coors/Metcalfe	12.06	13.51	11.52	12.36
MT080085	Coors/Metcalfe	11.62	13.48	10.75	11.95
EM090130	03021-35	11.46	13.33	11.09	11.96
EM090134	03021-74	11.79	13.67	11.20	12.22
MT080100	Karma	14.20	16.38	15.31	15.30
MT080172	Klages/Stratus	11.83	12.92	12.15	12.30
MT080179	Metcalfe/MT990106	12.32	13.58	11.36	12.42
MT080243	MT960101/MT981210	11.52	13.08	11.67	12.09
MT080261	MT970026/MT981091	11.74	12.80	11.81	12.12
MT080274	MT970148/Conlon	11.60	11.94	11.24	11.59
MT080277	MT970148/Merit	11.96	12.57	11.38	11.97
MT080279	MT970148/MT970116	11.55	12.43	10.83	11.60
MT080281	MT970148/MT970116	11.52	12.27	10.62	11.47
MT080283	MT970148/MT970116	11.87	12.81	10.56	11.75

Protein %

ID	PEDIGREE	Bozeman	Sidney	Huntley	Mean
MT080284	MT970148/MT970116	11.72	12.65	10.35	11.57
MT080285	MT970148/MT970116	12.07	13.01	10.24	11.77
MT910189	Hockett	11.61	11.99	11.38	11.66
MT950186	Haxby	12.07	12.66	11.70	12.14
MT960101	Geraldine	11.55	12.85	10.50	11.63
MT970116	Craft	11.86	12.36	11.50	11.90
PI568246	Baronesse	12.04	12.78	10.99	11.94
PI643354	Pinnacle	10.96	11.37	9.70	10.68
SK 76333	Harrington	12.02	12.34	11.29	11.88
TR232	Metcalfe	11.91	13.24	11.54	12.23
COPELAND	Copeland	11.45	11.75	10.82	11.34
SCARLETT	Scarlett	12.02	13.15	11.26	12.14

	Bozeman	Sidney	Huntley	Mean
Mean	11.81	12.87	11.27	11.98
C.V.	0.92	0.92	1.33	1.06
F-Value	7.68	14,27	8.06	7.87
L.S.D.	0.55	0.56	0.72	0.61
Efficiency of Design Rel to RCB	118.46	119.58	100.24	***

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	61.94	10	51.34	10	75.21	9	182.41	10	26.02	10	14.7
MT910189	Hockett	10	66.12	10	50.48	10	83.53	9	183.04	10	25.1	10	14.8
MT960101	Geraldine	10	67.21	10	48.77	10	56.25	9	188.6	10	23.98	10	16.03
MT970116	Craft	10	57.14	10	50.84	10	84.46	9	182.66	10	28.41	10	15.01
PI568246	Baronesse	10	71.45	10	48.84	10	70.9	9	186.73	10	24.9	10	15.42
SK 76333	Harrington	9	66.4	9	48.03	9	70.08	8	185.46	9	25.71	9	15.43
6B952482	Tradition	8	52.13	8	47.61	8	72.77	7	179.8	8	26.51	8	14.54
MT010158	Amsterdam	7	73.19	7	50.37	7	80.98	6	184.6	7	25.21	7	15.42
MT010160	MT920041/Harrington	7	69.83	7	49.74	7	73.53	6	184.02	7	26.17	7	15.21
2B965057	Conrad	6	68.69	6	48.5	6	74.15	5	188.95	6	24.54	6	15.74
MT020155	MT960225/H1851195	6	72.52	6	49.26	6	75.64	5	179.62	6	26.41	6	14.96
MT020162	MT960225/H1851195	6	68.88	6	49.89	6	73.73	5	185.26	6	26.6	6	15.55
MT020204	MTLB 32/H1851195	6	72.55	6	50.2	6	74.86	5	182.47	6	26.01	6	15.56
MT030042	MT910189/MT960099	6	71.73	6	50.78	6	65.77	5	184.31	6	24.02	6	14.09
MT030063	MT950155/Harrington	6	59.52	6	51	6	78.95	5	184.36	6	25.9	6	14.85
MT030079	MT950186/MT960225	6	61.44	6	50.94	6	74.6	5	184.76	6	25.92	6	14.5
MT020167	MT960225/H3860224	5	66.33	5	50.23	5	81.25	4	185.97	5	26.44	5	15.01
MT020205	MTLB 32/H1851195	5	71.77	5	50.07	5	76.73	4	182.08	5	25.76	5	15.9
MT040073	MT960045/Harrington	5	69.62	5	51.31	5	75.78	4	184.2	5	25.87	5	15.13
MT040209	MT960228/MT950186	5	69.91	5	49.67	5	67.44	4	186.34	5	25.47	5	15.72
MT050030	GS 1750/Bearpaw	4	70.39	4	48.69	4	75.94	4	185.22	4	26.69	4	14
MT050062	Harrington/MT960225	4	61.07	4	50.52	4	74.56	4	184.73	4	26.96	4	14.09
TR232	Metcalfe	4	71.63	4	49.12	4	74.63	3	183.69	4	26.37	4	15.93
MT061032	Baronesse/MT981210	3	88.39	3	48.86	3	73.85	3	187.96	3	24.79	3	15.34
MT061035	Baronesse/MT981210	3	92.63	3	49.21	3	74.48	3	185.25	3	25.32	3	15.15
MT061104	Harrington/MT970229	3	71	3	49.96	3	77.82	3	182.78	3	25.69	3	15.28
MT061169	MT960101/Coors 37	3	82.07	3	50.06	3	74.59	3	186.3	3	24.45	3	15.35
MT070063	MT010178/MT970116	2	55.63	2	50.61	2	76.23	2	181.64	2	27.8	2	15.03
MT070086	MT970148/Coors37	2	95.32	2	50.2	2	75.67	2	187.79	2	21.1	2	15.11
MT070111	MT010178/Harrington	2	95.98	2	50.69	2	75.62	2	186.4	2	26.94	2	14.91
MT070125	MT981210/MT970116	2	75.37	2	50.65	2	76.66	2	185.2	2	27.12	2	15.08
MT070148	MT990172/Metcalfe	2	87.17	2	49.7	2	76.61	2	182.47	2	25.83	2	14.96
MT070156	MT970148/Klages	2	98.02	2	49.6	2	74.96	2	184.39	2	23.98	2	14.74
MT070157	MT970148/Klages	2	99.46	2	50.45	2	76.85	2	184.46	2	25.42	2	15.07
MT070158	MT970148/Klages	2	98.69	2	50.35	2	76.39	2	185.11	2	25.38	2	15.03
MT070159	MT970148/Klages	2	96.36	2	49.93	2	75.83	2	185.14	2	24.02	2	15
MT070161	MT970148/Klages	2	95.74	2	50.48	2	76.94	2	185	2	24.91	2	15.03
MT070175	LK644///Hockett F5	2	96.3	2	49.71	2	76.49	2	184.44	2	27.69	2	13.75
EM090117	03013-25	1	103.13	1	48.19	1	76.5	1	193.42	1	20.73	1	15.74
EM090128	03021-03	1	94.57	1	49.99	1	76.9	1	188.38	1	19.29	1	14.63
MT080001	Amulet/Metcalfe	1	88.29	1	50.96	1	78.34	1	191.36	1	20.97	1	16.26
MT080017	Amulet/MT960101	1	96.72	1	50.62	1	76.58	1	189.24	1	24.44	1	15.06
MT080077	Coors/Kendall	1	89.5	1	49.11	1	74.65	1	187.75	1	22.29	1	15.12
MT080081	Coors/Metcalfe	1	93.97	1	48.89	1	73.93	1	187.86	1	22.48	1	15.27
MT080083	Coors/Metcalfe	1	99.64	1	48.97	1	74.57	1	187.28	1	21.68	1	15.15
MT080084	Coors/Metcalfe	1	103.12	1	48.71	1	73.53	1	188.99	1	20.62	1	15.63
MT080085	Coors/Metcalfe	1	100.12	1	50.48	1	74.17	1	189.42	1	23.92	1	15.4
EM090130	03021-35	1	100.64	1	49.74	1	76.58	1	196.15	1	21.12	1	15.27
EM090134	03021-74	1	93.65	1	49.3	1	77.14	1	188.92	1	23.86	1	15.88
MT080100	Karma	1	50.95	1	60.21	1	73.85	1	183.07	1	26.96	1	17.39
MT080172	Klages/Stratus	1	90.43	1	48.55	1	74.97	1	188.19	1	25.59	1	16.08
MT080179	Metcalfe/MT990106	1	85.13	1	50.51	1	78.02	1	184.11	1	28.43	1	16.16
MT080243	MT960101/MT981210	1	98.46	1	49.55	1	74.33	1	187.41	1	25.58	1	15.53
MT080261	MT970026/MT981091	1	93.07	1	50.74	1	74.25	1	181.55	1	24.72	1	15.51
MT080274	MT970148/Conlon	1	105.09	1	50.79	1	78.02	1	183.96	1	24.89	1	15.24
MT080277	MT970148/Merit	1	87.81	1	49.75	1	74.97	1	185.33	1	23.35	1	15.07
MT080279	MT970148/MT970116	1	100.28	1	50.91	1	76.1	1	187.72	1	23.58	1	14.99
MT080281	MT970148/MT970116	1	96.56	1	50.14	1	73.61	1	186.76	1	23.61	1	15.04
MT080283	MT970148MT970116	1	111.59	1	51.21	1	77.06	1	186.5	1	23.72	1	15.22
MT080284	MT970148/MT970116	1	99.54	1	50.47	1	75.86	1	186.58	1	22.37	1	15.16
MT080285	MT970148/MT970116	1	104.35	1	51.01	1	77.3	1	189.32	1	23.23	1	15.89
PI643354	Pinnacle	1	91.34	1	50.31	1	77.62	1	182.69	1	26	1	14.82
COPELAND	Copeland	1	92.46	1	49.08	1	75.94	1	188.51	1	27.36	1	16.08
SCARLETT	Scarlett	1	99.9	1	49.58	1	76.5	1	186.64	1	22.4	1	15.1
AVERAGE		10	66.45	10	49.69	10	75.01	9	184.53	10	25.6	10	15.16

ID	PEDIGREE	2000	2001	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	65.99	28.92	54.60	11.61	84.18	128.02	69.93	76.25	48.27	51.58	10	61.94
MT910189	Hockett	65.75	29.52	51.92	10.46	82.05	126.78	61.70	74.47	71.29	77.66	10	66.12
MT960101	Geraldine	56.84	26.79	57.11	14.04	77.01	113.95	58.93	68.43	70.26	93.26	10	67.21
MT970116	Craft	66.70	26.40	59.75	11.92	77.91	121.16	64.30	68.06	37.30	37.36	10	57.14
PI568246	Baronesse	62.51	32.17	56.60	14.12	83.17	124.84	66.77	80.37	73.34	89.39	10	71.45
SK 76333	Harrington	53.50	31.20	53.55	12.37	70.81	115.45	64.60	0.00	69.85	82.47	9	66.4
6B952482	Tradition	0.00	0.00	54.87	8.17	77.32	116.97	71.47	73.33	51.46	7.36	8	52.13
MT010158	Amsterdam	0.00	0.00	0.00	18.92	78.25	116.95	62.70	76.89	66.52	78.23	7	73.19
MT010160	MT920041/Harrington	0.00	0.00	0.00	15.32	76.43	114.85	66.97	72.81	72.13	70.19	7	69.83
2B965057	Conrad	0.00	0.00	0.00	0.00	77.63	121.65	57.63	69.12	70.26	82.32	6	68.69
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	87.93	129.03	72.00	67.16	77.09	75.60	6	72.52
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	82.96	127.15	59.83	76.17	68.92	72.82	6	68.88
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	84.43	124.28	54.97	79.64	73.95	87.27	6	72.55
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	87.20	115.69	72.70	77.57	72.89	74.42	6	71.73
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	102.62	124.70	72.13	68.75	52.73	28.25	6	59.52
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	86.54	131.79	74.47	67.79	45.91	51.02	6	61.44
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	90.00	115.21	56.47	0.00	64.01	64.58	5	66.33
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	87.38	126.18	62.30	0.00	69.89	73.84	5	71.77
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	126.64	70.67	77.40	58.13	72.26	5	69.62
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	122.08	56.97	70.89	70.66	76.45	5	69.91
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	70.10	78.97	55.09	70.48	4	70.39
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	60.90	82.31	49.38	50.06	4	61.07
TR232	Metcalfe	0.00	0.00	0.00	0.00	0.00	116.90	53.50	0.00	69.45	77.85	4	71.63
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.47	74.99	88.29	3	88.39
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.40	82.34	89.72	3	92.63
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.83	63.32	65.20	3	71
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.82	66.29	81.57	3	82.07
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.29	42.13	2	55.63
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.46	74.93	2	95.32
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.28	78.36	2	95.98
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.37	63.16	2	75.37
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.12	71.34	2	87.17
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.96	79.95	2	98.02
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.85	83.54	2	99.46
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.03	92.76	2	98.69
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.31	76.82	2	96.36
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.31	84.34	2	95.74
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.29	81.02	2	96.3
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.89	1	103.13
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.76	1	94.57
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.53	1	88.29
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.55	1	96.72
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.54	1	89.5
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.26	1	93.97
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.98	1	99.64
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.88	1	103.12
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.38	1	100.12
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.81	1	100.64
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.99	1	93.65
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.43	1	50.95
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.31	1	90.43
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.90	1	85.13
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00	1	98.46
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.51	1	93.07
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.52	1	105.09
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.13	1	87.81
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.51	1	100.28
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.42	1	96.56
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.93	1	111.59
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.90	1	99.54
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.90	1	104.35
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.07	1	91.34
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.00	1	92.46
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.20	1	99.9
AVERAGE		61.88	29.17	55.49	12.99	82.99	121.92	64.44	74.21	66.32	74.30	10	66.45

ID	PEDIGREE	2000	2001	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	51.92	49.44	50.37	48.85	51.07	55.62	50.67	52.84	52.00	50.66	10	51.34
MT910189	Hockett	50.20	48.17	49.73	49.08	48.65	54.63	49.93	51.91	51.24	51.20	10	50.48
MT960101	Geraldine	47.25	48.57	49.13	47.23	45.56	53.21	47.33	49.52	50.40	49.34	10	48.77
MT970116	Craft	50.76	49.70	50.50	48.58	50.11	55.28	50.00	51.37	51.46	50.60	10	50.84
PI568246	Baronesse	47.60	48.12	48.87	46.11	46.06	53.57	48.70	49.78	50.11	49.44	10	48.84
SK 76333	Harrington	46.80	46.23	48.37	45.38	45.42	52.45	47.20	0.00	49.83	49.16	9	48.03
6B952482	Tradition	0.00	0.00	46.80	45.00	45.47	52.33	47.03	49.00	48.60	47.92	8	47.61
MT010158	Amsterdam	0.00	0.00	0.00	48.88	49.85	54.83	49.60	51.18	50.57	49.87	7	50.37
MT010160	MT920041/Harrington	0.00	0.00	0.00	47.38	48.63	54.50	47.93	50.84	50.92	50.23	7	49.74
2B965057	Conrad	0.00	0.00	0.00	0.00	46.69	53.24	47.43	49.62	49.43	49.15	6	48.5
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	48.90	54.02	47.47	50.70	49.44	49.69	6	49.26
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	50.17	54.56	48.87	50.58	50.36	49.45	6	49.89
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	49.28	54.82	48.97	51.27	50.73	50.82	6	50.2
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	48.53	55.19	50.77	51.63	51.93	51.36	6	50.78
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	51.24	55.09	49.23	52.06	51.89	51.23	6	51
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	49.70	55.05	50.90	52.30	51.30	51.10	6	50.94
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	49.47	54.20	48.30	0.00	51.13	51.26	5	50.23
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	49.75	54.46	48.67	0.00	50.16	50.51	5	50.07
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	55.19	50.80	53.22	51.17	51.18	5	51.31
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	53.33	48.00	51.05	50.64	50.20	5	49.67
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	46.90	49.62	49.58	49.40	4	48.69
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	48.97	52.15	51.17	50.58	4	50.52
TR232	Metcalfe	0.00	0.00	0.00	0.00	0.00	52.70	48.23	0.00	50.67	48.26	4	49.12
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.77	49.37	48.80	3	48.86
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.70	50.04	48.30	3	49.21
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.45	49.81	50.04	3	49.96
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.04	51.20	50.32	3	50.06
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.58	50.60	2	50.61
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.43	49.94	2	50.2
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.23	50.12	2	50.69
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	50.27	2	50.65
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.81	49.54	2	49.7
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.40	49.75	2	49.6
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.26	50.60	2	50.45
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.02	50.62	2	50.35
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.92	49.89	2	49.93
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.33	50.58	2	50.48
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.04	49.35	2	49.71
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.55	1	48.19
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.32	1	49.99
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.28	1	50.96
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.95	1	50.62
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.46	1	49.11
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.24	1	48.89
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.32	1	48.97
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.06	1	48.71
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.81	1	50.48
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.08	1	49.74
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.64	1	49.3
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.41	1	60.21
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.90	1	48.55
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.84	1	50.51
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.89	1	49.55
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.06	1	50.74
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.11	1	50.79
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.09	1	49.75
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.23	1	50.91
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.47	1	50.14
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.53	1	51.21
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.80	1	50.47
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.33	1	51.01
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.64	1	50.31
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.43	1	49.08
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.92	1	49.58
AVERAGE		49.09	48.37	49.11	47.39	48.59	54.20	48.78	50.98	50.48	49.87	10	49.69

ID	PEDIGREE	2000	2001	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	28.80	89.40	83.50	42.50	67.90	88.75	70.20	90.60	96.60	93.90	10	75.21
MT910189	Hockett	51.30	76.10	89.60	61.20	46.70	94.49	81.30	92.40	96.10	97.20	10	83.53
MT960101	Geraldine	9.30	86.90	80.50	20.80	37.50	74.57	39.00	74.10	94.80	92.30	10	56.25
MT970116	Craft	54.10	62.50	92.70	54.20	74.60	90.99	75.70	92.70	97.00	97.30	10	84.46
PI568246	Baronesse	31.40	85.90	86.00	38.20	49.40	84.87	56.60	86.00	96.30	94.90	10	70.9
SK 76333	Harrington	26.10	86.90	88.70	33.50	48.30	86.85	68.80	0.00	93.50	95.70	9	70.08
6B952482	Tradition	0.00	0.00	79.00	45.50	67.10	97.56	56.50	84.20	90.70	90.40	8	72.77
MT010158	Amsterdam	0.00	0.00	0.00	53.00	83.70	94.79	72.40	85.40	94.80	97.00	7	80.98
MT010160	MT920041/Harrington	0.00	0.00	0.00	37.90	66.70	91.08	69.80	84.40	95.30	96.80	7	73.53
2B965057	Conrad	0.00	0.00	0.00	0.00	58.40	90.50	74.00	87.40	95.40	96.60	6	74.15
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	63.80	89.61	75.40	91.00	94.20	96.80	6	75.64
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	74.00	89.96	63.70	83.70	91.80	93.60	6	73.73
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	69.10	91.06	64.50	90.10	96.50	95.40	6	74.86
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	29.50	85.71	66.30	83.20	94.60	94.30	6	65.77
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	82.80	94.27	64.70	94.40	97.80	97.70	6	78.95
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	50.70	85.91	84.50	91.90	96.10	96.10	6	74.6
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	78.30	89.70	82.40	0.00	98.20	98.30	5	81.25
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	64.50	92.28	74.80	0.00	96.60	98.20	5	76.73
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	89.50	72.20	90.20	95.00	95.90	5	75.78
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	79.65	47.20	80.60	95.20	97.50	5	67.44
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	72.80	85.80	96.80	98.80	4	75.94
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	65.70	89.40	96.50	98.00	4	74.56
TR232	Metcalfe	0.00	0.00	0.00	0.00	0.00	85.98	71.20	0.00	97.20	92.00	4	74.63
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.40	93.80	91.70	3	73.85
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	96.00	91.30	3	74.48
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.40	97.10	98.20	3	77.82
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	94.00	94.70	3	74.59
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.20	97.80	2	76.23
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	96.10	2	75.67
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	95.00	2	75.62
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	97.60	2	76.66
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.80	97.20	2	76.61
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	95.80	2	74.96
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.10	97.50	2	76.85
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	97.80	2	76.39
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.90	97.10	2	75.83
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.60	98.20	2	76.94
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	96.70	2	76.49
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	1	76.5
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	1	76.9
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.80	1	78.34
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	1	76.58
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.20	1	74.65
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.30	1	73.93
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.10	1	74.57
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	1	73.53
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.60	1	74.17
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	1	76.58
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.30	1	77.14
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.20	1	73.85
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.60	1	74.97
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.40	1	78.02
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	1	74.33
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.70	1	74.25
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.40	1	78.02
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.60	1	74.97
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	76.1
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.90	1	73.61
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.20	1	77.06
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.70	1	75.86
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.50	1	77.3
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.90	1	77.62
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	1	75.94
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	1	76.5
AVERAGE		33.50	81.28	85.71	42.98	61.83	88.96	68.25	88.01	95.62	95.44	10	75.01

ID	PEDIGREE	2000	2001	2002	2003	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	185.63	175.52	194.39	186.18	177.95	179.33	184.12	178.82	179.71	9	182.41
MT910189	Hockett	186.49	177.07	193.44	187.46	179.68	179.33	183.77	179.68	180.27	9	183.04
MT960101	Geraldine	196.58	181.86	192.35	192.32	186.78	184.67	189.52	184.07	188.70	9	188.6
MT970116	Craft	189.11	176.80	192.90	186.19	179.50	178.67	182.76	178.47	179.40	9	182.66
PI568246	Baronesse	195.47	180.12	193.59	188.64	188.24	182.33	183.40	181.01	187.30	9	186.73
SK 76333	Harrington	192.53	178.42	192.20	189.36	181.37	182.33	0.00	181.85	183.56	8	185.46
6B952482	Tradition	0.00	0.00	191.68	182.73	175.89	175.00	181.69	176.21	179.00	7	179.8
MT010158	Amsterdam	0.00	0.00	0.00	185.54	184.11	181.67	185.08	180.18	182.41	6	184.6
MT010160	MT920041/Harrington	0.00	0.00	0.00	186.98	180.47	179.33	185.63	179.74	183.55	6	184.02
2B965057	Conrad	0.00	0.00	0.00	0.00	189.40	183.67	189.14	182.37	187.55	5	188.95
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	178.00	174.67	178.31	175.91	179.22	5	179.62
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	179.10	181.67	186.43	181.08	185.72	5	185.26
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	179.81	178.33	183.22	179.20	179.64	5	182.47
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	183.56	180.00	184.54	179.84	181.31	5	184.31
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	181.66	177.33	186.75	181.10	182.73	5	184.36
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	180.72	183.33	185.81	179.90	181.75	5	184.76
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	183.32	181.00	0.00	182.19	183.27	4	185.97
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	181.08	175.67	0.00	177.96	179.78	4	182.08
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	181.00	184.81	180.95	182.28	4	184.2
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	184.33	185.15	181.94	186.07	4	186.34
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	182.00	185.89	180.61	184.59	4	185.22
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	183.00	184.20	180.09	183.82	4	184.73
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	189.45	181.76	187.98	3	187.96
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	184.76	180.51	185.79	3	185.25
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	185.42	178.42	179.94	3	182.78
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	185.86	181.33	187.00	3	186.3
TR232	Metcalfe	0.00	0.00	0.00	0.00	0.00	179.00	0.00	179.99	182.65	3	183.69
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.82	179.21	2	181.64
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.78	187.35	2	187.79
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.41	185.98	2	186.4
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.19	183.84	2	185.2
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.42	180.24	2	182.47
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.07	182.36	2	184.39
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.80	182.77	2	184.46
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.07	182.78	2	185.11
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.86	184.06	2	185.14
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.94	183.70	2	185
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.84	181.68	2	184.44
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.56	1	193.42
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.60	1	188.38
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.53	1	191.36
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.44	1	189.24
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.98	1	187.75
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.08	1	187.86
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.51	1	187.28
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.20	1	188.99
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.62	1	189.42
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.25	1	196.15
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.13	1	188.92
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.36	1	183.07
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.41	1	188.19
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.39	1	184.11
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.64	1	187.41
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.87	1	181.55
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.24	1	183.96
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.59	1	185.33
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.95	1	187.72
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.00	1	186.76
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.74	1	186.5
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.82	1	186.58
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.52	1	189.32
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.99	1	182.69
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.72	1	188.51
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.88	1	186.64
AVERAGE		190.97	178.30	192.94	187.27	181.70	180.33	185.03	180.14	183.81	9	184.53

ID	PEDIGREE	2000	2001	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	26.54	18.39	21.44	19.44	32.93	32.10	25.05	29.37	23.64	31.29	10	26.02
MT910189	Hockett	26.73	16.68	21.81	17.89	28.54	33.87	25.14	27.86	23.60	28.92	10	25.1
MT960101	Geraldine	23.71	16.42	22.10	18.24	28.10	32.50	21.38	26.77	22.65	27.33	10	23.98
MT970116	Craft	30.11	18.60	24.15	19.41	35.19	35.65	28.77	31.70	27.31	33.97	10	28.41
PI568246	Baronesse	26.13	16.86	21.34	19.65	28.13	31.91	23.28	30.26	22.72	27.91	10	24.9
SK 76333	Harrington	25.82	17.14	22.05	19.53	30.86	32.91	23.14	0.00	24.28	32.59	9	25.71
6B952482	Tradition	0.00	0.00	21.56	18.45	30.90	33.71	24.80	29.26	26.38	34.58	8	26.51
MT010158	Amsterdam	0.00	0.00	0.00	19.08	31.09	31.73	23.16	28.41	24.59	29.31	7	25.21
MT010160	MT920041/Harrington	0.00	0.00	0.00	19.74	30.90	33.92	25.89	29.11	25.70	28.71	7	26.17
2B965057	Conrad	0.00	0.00	0.00	0.00	27.99	30.75	24.57	28.71	22.75	29.11	6	24.54
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	31.46	33.02	26.25	29.17	25.10	31.36	6	26.41
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	32.45	34.39	24.29	29.12	25.81	32.04	6	26.6
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	31.47	33.01	23.43	29.86	25.90	30.21	6	26.01
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	27.65	31.18	22.43	26.85	23.60	28.82	6	24.02
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	31.34	34.56	22.05	30.38	25.21	30.17	6	25.9
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	31.00	31.83	25.12	29.62	25.29	30.13	6	25.92
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	29.45	33.85	25.41	0.00	26.50	31.16	5	26.44
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	31.89	32.40	23.44	0.00	25.47	30.02	5	25.76
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	30.91	24.28	28.19	25.88	30.78	5	25.87
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	31.21	22.74	28.72	24.54	31.26	5	25.47
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	24.65	29.86	26.42	30.80	4	26.69
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	26.64	29.11	26.12	30.84	4	26.96
TR232	Metcalfe	0.00	0.00	0.00	0.00	0.00	32.87	25.39	0.00	24.88	30.17	4	26.37
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.04	24.31	27.40	3	24.79
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.34	24.60	28.61	3	25.32
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.17	23.23	31.92	3	25.69
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.35	24.30	26.92	3	24.45
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.48	33.14	2	27.8
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.28	23.91	2	21.1
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.29	31.32	2	26.94
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.82	32.37	2	27.12
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.86	29.21	2	25.83
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.05	27.16	2	23.98
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.55	29.98	2	25.42
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.20	30.34	2	25.38
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.56	27.90	2	24.02
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.92	29.57	2	24.91
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.93	32.28	2	27.69
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.93	1	20.73
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.20	1	19.29
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.22	1	20.97
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.39	1	24.44
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.80	1	22.29
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.04	1	22.48
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.07	1	21.68
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.80	1	20.62
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.77	1	23.92
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.40	1	21.12
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.69	1	23.86
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.42	1	26.96
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.77	1	25.59
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.19	1	28.43
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.76	1	25.58
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.73	1	24.72
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.93	1	24.89
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.08	1	23.35
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.36	1	23.58
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.39	1	23.61
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.53	1	23.72
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.90	1	22.37
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.94	1	23.23
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.27	1	26
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.90	1	27.36
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.94	1	22.4
AVERAGE		26.51	17.35	22.06	19.05	30.63	32.78	24.40	28.88	24.55	29.39	10	25.6

ID	PEDIGREE	2000	2001	2002	2003	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	14.92	17.41	16.25	17.98	15.80	9.24	15.07	15.20	13.27	11.90	10	14.7
MT910189	Hockett	15.43	16.84	16.47	17.34	16.20	10.38	14.73	14.35	13.27	12.12	10	14.8
MT960101	Geraldine	18.88	19.34	16.94	19.34	17.30	9.52	16.53	15.87	14.30	12.68	10	16.03
MT970116	Craft	16.35	17.56	15.76	18.00	16.00	9.64	15.43	15.21	13.29	12.54	10	15.01
PI568246	Baronesse	16.64	18.78	16.33	18.47	16.70	9.56	16.33	15.59	14.15	11.81	10	15.42
SK 76333	Harrington	15.69	17.79	16.64	19.19	17.00	9.92	15.80	0.00	13.76	12.45	9	15.43
6B952482	Tradition	0.00	0.00	16.19	17.13	15.10	9.60	15.17	14.44	13.06	12.19	8	14.54
MT010158	Amsterdam	0.00	0.00	0.00	17.42	16.70	10.01	16.00	15.22	14.05	13.22	7	15.42
MT010160	MT920041/Harrington	0.00	0.00	0.00	18.33	17.30	9.53	15.97	15.21	13.60	11.99	7	15.21
2B965057	Conrad	0.00	0.00	0.00	0.00	16.40	9.93	16.37	16.45	14.22	12.75	6	15.74
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	15.20	9.89	14.97	15.08	13.27	12.95	6	14.96
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	15.50	9.96	16.10	15.75	14.27	13.17	6	15.55
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	16.10	10.11	16.60	15.71	13.62	12.81	6	15.56
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	16.10	8.84	14.70	13.87	12.68	11.05	6	14.09
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	14.90	9.70	14.60	15.51	13.68	12.44	6	14.85
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	15.30	9.45	15.20	14.64	12.68	11.90	6	14.5
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	15.00	9.75	16.17	0.00	13.41	12.08	5	15.01
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	17.50	9.90	16.60	0.00	13.94	12.79	5	15.9
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	9.79	15.27	15.04	13.65	12.56	5	15.13
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	10.24	16.27	15.72	13.41	13.24	5	15.72
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	14.27	14.11	12.97	11.36	4	14
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	14.70	14.15	12.90	11.37	4	14.09
TR232	Metcalfe	0.00	0.00	0.00	0.00	0.00	10.06	16.43	0.00	14.10	13.01	4	15.93
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.72	13.92	12.45	3	15.34
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.15	13.77	12.58	3	15.15
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.33	13.70	12.80	3	15.28
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.55	14.11	12.45	3	15.35
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.36	12.34	2	15.03
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.88	12.90	2	15.11
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.32	12.19	2	14.91
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.26	12.52	2	15.08
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.17	12.41	2	14.96
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01	12.19	2	14.74
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	12.46	2	15.07
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.08	12.60	2	15.03
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	12.08	2	15
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.17	12.51	2	15.03
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.88	11.61	2	13.75
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.74	1	15.74
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.84	1	14.63
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.16	1	16.26
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.19	1	15.06
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.24	1	15.12
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.36	1	15.27
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.26	1	15.15
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	1	15.63
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.46	1	15.4
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.36	1	15.27
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.85	1	15.88
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.07	1	17.39
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01	1	16.08
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.08	1	16.16
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.57	1	15.53
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.55	1	15.51
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.33	1	15.24
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	1	15.07
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.13	1	14.99
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.17	1	15.04
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.32	1	15.22
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.27	1	15.16
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.86	1	15.89
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.99	1	14.82
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01	1	16.08
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.22	1	15.1
AVERAGE		16.32	17.95	16.37	18.13	16.12	9.76	15.62	15.17	13.45	12.44	10	15.16

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	11	75.94	11	51.75	11	79.59	11	171.21	11	25.75	11	12.65
MT910189	Hockett	11	73.22	11	50.1	11	86.54	11	169.9	11	24.99	11	12.31
MT970116	Craft	11	74.66	11	50.68	11	86.41	11	170.75	11	28.19	11	13.11
PI568246	Baronesse	11	77.69	11	49.37	11	74.79	11	173.34	11	23.94	11	12.99
MT960101	Geraldine	10	71.9	10	49.15	10	68.95	10	174.74	10	23.45	10	13.08
SK 76333	Harrington	10	72.49	10	48.21	10	82.91	10	172.72	10	24.61	10	12.74
6B952482	Tradition	9	74.36	9	49.01	9	85.86	9	170.42	9	27.7	9	13.11
MT010158	Amsterdam	8	70.45	8	49.49	8	79.75	8	171.85	8	24.67	8	13.49
MT010160	MT920041/Harrington	8	73.75	8	48.83	8	73.39	8	172.17	8	25.71	8	13.43
2B965057	Conrad	7	74.86	7	48.26	7	80.49	7	172.96	7	24.64	7	13.47
MT020155	MT960225/H1851195	7	80.09	7	49.27	7	78.91	7	168.44	7	26.31	7	12.81
MT020162	MT960225/H1851195	7	74.91	7	49.5	7	76.87	7	173.14	7	26.62	7	13.31
MT020204	MTLB 32/H1851195	7	77.14	7	50.69	7	77.05	7	170.7	7	25.42	7	13.32
MT020167	MT960225/H3860224	6	75.6	6	50.85	6	81.78	6	172.03	6	26.36	6	13.34
MT020205	MTLB 32/H1851195	6	77.33	6	50.4	6	80.06	6	171.07	6	26	6	13.28
MT030042	MT910189/MT960099	6	78.1	6	50.66	6	78.03	6	170.85	6	23.97	6	11.87
MT030063	MT950155/Harrington	6	73.42	6	51	6	88.97	6	172.98	6	26.84	6	12.99
MT030079	MT950186/MT960225	6	76.68	6	51.28	6	80.1	6	172.11	6	26.62	6	12.76
MT040073	MT960045/Harrington	5	78.3	5	51.68	5	73.85	5	172.05	5	25.02	5	12.98
MT040209	MT960228/MT950186	5	75.1	5	49.71	5	77.05	5	172.79	5	23.33	5	12.53
TR232	Metcalfe	5	72.55	5	49.55	5	77.54	5	170.89	5	26.63	5	12.86
MT050030	GS 1750/Bearpaw	4	80.32	4	50.24	4	78.78	4	172.99	4	26.01	4	12.34
MT050062	Harrington/MT960225	4	82.74	4	50.64	4	86.73	4	173.8	4	28.44	4	12.35
MT061032	Baronesse/MT981210	3	74.15	3	49.83	3	63.09	3	172.96	3	25.29	3	13.5
MT061035	Baronesse/MT981210	3	73.12	3	49.27	3	73.48	3	173.06	3	25.01	3	13.27
MT061104	Harrington/MT970229	3	73.99	3	49.13	3	96.78	3	170.64	3	25.52	3	12.98
MT061169	MT960101/Coors 37	3	70.2	3	49.44	3	80.07	3	173.11	3	23.88	3	13.61
MT070063	MT010178/MT970116	2	70.06	2	50.75	2	79.19	2	171.37	2	28.2	2	13.28
MT070086	MT970148/Coors37	2	81.59	2	50.53	2	80.46	2	172.98	2	21.5	2	14.66
MT070111	MT010178/Harrington	2	76.22	2	50.33	2	79.16	2	172.22	2	28.4	2	13.35
MT070125	MT981210/MT970116	2	83.86	2	50.88	2	79.63	2	173.82	2	28.51	2	13.07
MT070148	MT990172/Metcalfe	2	75.05	2	50.16	2	82.19	2	172.26	2	25.27	2	13.37
MT070156	MT970148/Klages	2	71.4	2	49.04	2	73.25	2	171.75	2	23.91	2	13.55
MT070157	MT970148/Klages	2	75.48	2	50.86	2	79.63	2	172.72	2	26.04	2	13.16
MT070158	MT970148/Klages	2	79.04	2	50.2	2	79.23	2	171.65	2	24.95	2	13.39
MT070159	MT970148/Klages	2	74.34	2	50.01	2	77.09	2	171.84	2	24.29	2	12.77
MT070161	MT970148/Klages	2	78.7	2	50.9	2	80.08	2	171.08	2	23.24	2	13.47
MT070175	LK644///Hockett F5	2	75.07	2	49.9	2	81.3	2	172.08	2	27.08	2	11.98
COPELAND	Copeland	1	79.59	1	47.44	1	79.59	1	171.92	1	31.89	1	13.63
EM090117	03013-25	1	82.13	1	48.4	1	79.59	1	176.01	1	26.75	1	14.7
EM090128	03021-03	1	83.3	1	48.88	1	78.73	1	175.12	1	26.61	1	13.56
EM090130	03021-35	1	74.17	1	48.88	1	82.19	1	175.99	1	28.16	1	14.3
EM090134	03021-74	1	63.13	1	49.84	1	83.92	1	174.82	1	30.54	1	14.22
MT080001	Amulet/Metcalfe	1	78.33	1	49.84	1	80.46	1	173.11	1	28.57	1	14.92
MT080017	Amulet/MT960101	1	82.29	1	50.32	1	82.19	1	174.92	1	29.37	1	13.72
MT080077	Coors/Kendall	1	77.38	1	50.79	1	84.78	1	173.93	1	26.3	1	15.09
MT080081	Coors/Metcalfe	1	70.1	1	49.36	1	80.46	1	173.91	1	27.96	1	14.59
MT080083	Coors/Metcalfe	1	66.44	1	49.36	1	81.32	1	173.75	1	28.97	1	15.81
MT080084	Coors/Metcalfe	1	70.95	1	50.32	1	83.05	1	172.99	1	27.79	1	15.45
MT080085	Coors/Metcalfe	1	92.29	1	49.36	1	73.54	1	172.57	1	31.57	1	14.77
MT080100	Karma	1	45.87	1	59.42	1	81.32	1	171.42	1	34.41	1	17.73
MT080172	Klages/Stratus	1	76.55	1	47.92	1	77	1	171.4	1	27.49	1	13.31
MT080179	Metcalfe/MT990106	1	71.28	1	50.32	1	83.05	1	171.85	1	27.46	1	16.01
MT080243	MT960101/MT981210	1	77.86	1	48.88	1	75.27	1	172.36	1	31.17	1	15.28
MT080261	MT970026/MT981091	1	79.59	1	49.84	1	76.13	1	170.57	1	29.72	1	13.83
MT080274	MT970148/Conlon	1	79.91	1	49.84	1	78.73	1	170.72	1	25.69	1	12.66
MT080277	MT970148/Merit	1	69.88	1	48.88	1	80.46	1	172.58	1	27.94	1	13.77
MT080279	MT970148/MT970116	1	76.15	1	47.44	1	71.8	1	172.37	1	27.5	1	15.36
MT080281	MT970148/MT970116	1	82.69	1	49.84	1	79.59	1	171.67	1	27.1	1	14.54
MT080283	MT970148MT970116	1	75.97	1	47.92	1	77.86	1	172.39	1	25.99	1	14.24
MT080284	MT970148/MT970116	1	80.59	1	47.92	1	72.67	1	170.96	1	26.61	1	13.75
MT080285	MT970148/MT970116	1	66.5	1	51.27	1	83.05	1	172.49	1	25.39	1	13.92
PI643354	Pinnacle	1	79.18	1	49.36	1	82.19	1	170.62	1	28.12	1	12.68
SCARLETT	Scarlett	1	74.61	1	46.96	1	77.86	1	174.74	1	26.55	1	12.06
AVERAGE		11	75.33	11	49.94	11	81.42	11	171.92	11	25.37	11	12.87

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	86.73	78.22	51.18	86.53	110.53	72.08	84.48	80.00	69.52	46.14	69.97	11	75.94
MT910189	Hockett	83.32	78.02	49.66	88.28	94.07	70.71	82.43	74.50	64.28	42.19	75.52	11	73.22
MT970116	Craft	82.70	93.65	51.87	87.01	101.04	71.42	78.56	77.30	60.99	45.73	68.20	11	74.66
PI568246	Baronesse	93.28	95.45	51.24	84.46	103.05	70.28	79.59	83.30	61.64	49.38	79.26	11	77.69
MT960101	Geraldine	90.68	89.74	42.20	83.04	0.00	69.01	74.95	83.10	57.68	40.04	63.69	10	71.9
SK 76333	Harrington	84.55	83.50	49.53	74.76	102.48	70.87	77.96	78.50	0.00	40.86	67.91	10	72.49
6B952482	Tradition	0.00	0.00	54.63	91.49	102.48	74.70	77.11	85.10	56.55	41.52	72.35	9	74.36
MT010158	Amsterdam	0.00	0.00	0.00	77.10	93.89	66.81	76.14	76.50	61.92	49.75	64.88	8	70.45
MT010160	MT920041/Harrington	0.00	0.00	0.00	87.46	101.01	77.90	82.38	83.90	59.22	46.51	61.58	8	73.75
2B965057	Conrad	0.00	0.00	0.00	0.00	97.31	79.46	80.48	81.20	61.79	45.86	74.66	7	74.86
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	108.81	79.02	88.84	85.20	67.56	49.20	80.25	7	80.09
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	110.79	74.07	76.28	79.20	61.23	47.25	75.38	7	74.91
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	103.72	78.68	84.23	79.50	61.94	50.19	77.70	7	77.14
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	106.33	72.90	82.07	72.80	0.00	50.07	72.25	6	75.6
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	105.10	81.24	78.39	79.90	0.00	43.22	81.75	6	77.33
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	80.74	82.02	77.70	66.98	51.55	71.90	6	78.1
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	66.48	83.16	78.90	69.35	44.31	66.48	6	73.42
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	74.10	90.61	80.70	64.66	46.49	70.76	6	76.68
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	90.57	81.60	66.72	49.99	71.34	5	78.3
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	79.27	82.80	61.10	47.31	74.67	5	75.1
TR232	Metcalfe	0.00	0.00	0.00	0.00	99.59	0.00	78.45	76.60	0.00	46.79	68.24	5	72.55
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.90	63.52	53.61	70.39	4	80.32
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.40	66.78	51.14	80.21	4	82.74
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.12	45.32	75.71	3	74.15
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.11	45.04	74.31	3	73.12
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.33	36.16	82.92	3	73.99
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.65	45.26	66.36	3	70.2
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.41	63.26	2	70.06
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.19	68.17	2	81.59
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.43	76.10	2	76.22
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.06	80.13	2	83.86
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.71	72.00	2	75.05
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.18	69.12	2	71.4
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.41	67.19	2	75.48
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.07	75.78	2	79.04
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.66	61.67	2	74.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.16	78.05	2	78.7
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.96	73.18	2	75.07
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.33	1	79.59
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.67	1	82.13
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.75	1	83.3
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.34	1	74.17
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.16	1	63.13
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.17	1	78.33
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.82	1	82.29
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.29	1	77.38
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.59	1	70.1
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.21	1	66.44
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.37	1	70.95
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.03	1	92.29
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.26	1	45.87
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.53	1	76.55
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.67	1	71.28
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.74	1	77.86
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.33	1	79.59
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.62	1	79.91
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.38	1	69.88
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.16	1	76.15
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.19	1	82.69
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.99	1	75.97
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.25	1	80.59
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.27	1	66.5
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.95	1	79.18
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.74	1	74.61
AVERAGE		86.88	86.43	50.04	84.46	102.68	73.92	81.33	80.94	62.94	46.19	71.03	11	75.33

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	52.17	50.00	49.69	52.40	53.20	50.90	51.80	52.20	50.61	52.31	54.00	11	51.75
MT910189	Hockett	51.17	48.57	47.53	50.94	51.09	49.54	49.98	52.20	48.45	51.15	50.50	11	50.1
MT970116	Craft	53.00	48.67	48.22	51.47	51.39	49.70	50.77	51.80	49.00	51.52	52.00	11	50.68
PI568246	Baronesse	51.50	48.46	48.39	48.23	49.96	48.86	47.79	50.40	45.04	51.54	53.00	11	49.37
MT960101	Geraldine	51.67	49.53	47.67	49.30	0.00	49.28	48.20	49.30	44.75	51.37	49.00	10	49.15
SK 76333	Harrington	50.83	47.07	45.55	47.30	50.03	45.71	48.11	47.70	0.00	50.96	50.00	10	48.21
6B952482	Tradition	0.00	0.00	47.28	49.47	49.48	48.23	49.93	49.60	47.20	50.59	50.50	9	49.01
MT010158	Amsterdam	0.00	0.00	0.00	50.63	49.96	48.86	50.00	50.00	47.73	49.99	52.00	8	49.49
MT010160	MT920041/Harrington	0.00	0.00	0.00	49.04	49.86	46.13	49.02	50.70	46.04	50.69	52.50	8	48.83
2B965057	Conrad	0.00	0.00	0.00	0.00	50.04	47.93	47.32	49.30	46.01	51.24	48.50	7	48.26
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	50.88	47.76	49.34	50.40	47.78	49.86	51.50	7	49.27
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	51.10	49.27	49.65	50.90	46.44	51.30	50.50	7	49.5
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	51.96	50.08	49.14	52.30	48.77	51.86	53.50	7	50.69
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	51.58	50.18	49.15	51.80	0.00	52.75	53.50	6	50.85
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	51.44	48.92	50.48	51.30	0.00	51.08	53.00	6	50.4
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	50.47	49.59	51.60	49.29	52.23	52.00	6	50.66
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	50.30	49.97	51.90	49.36	52.79	53.00	6	51
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	50.15	51.10	52.40	49.81	52.51	53.00	6	51.28
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	52.41	52.40	50.03	53.17	52.50	5	51.68
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	48.28	51.60	47.73	51.52	51.50	5	49.71
TR232	Metcalfe	0.00	0.00	0.00	0.00	50.28	0.00	49.68	49.60	0.00	52.19	50.50	5	49.55
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.10	46.95	52.53	52.50	4	50.24
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	48.15	52.03	53.50	4	50.64
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.44	53.28	52.50	3	49.83
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.03	52.48	52.00	3	49.27
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.56	50.43	51.00	3	49.13
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.97	51.56	52.50	3	49.44
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.22	52.00	2	50.75
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.27	51.50	2	50.53
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.85	51.50	2	50.33
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	52.50	2	50.88
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.54	52.50	2	50.16
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.18	49.50	2	49.04
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.96	52.50	2	50.86
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.62	52.50	2	50.2
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.20	51.50	2	50.01
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.56	53.00	2	50.9
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.99	51.50	2	49.9
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	47.44
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	1	48.4
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	48.88
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	48.88
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	49.84
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	49.84
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	50.32
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	50.79
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	1	49.36
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	1	49.36
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	50.32
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	1	49.36
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	59.42
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	47.92
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.50	1	50.32
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	48.88
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	49.84
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	49.84
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	48.88
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	47.44
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	49.84
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	47.92
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	47.92
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.50	1	51.27
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	1	49.36
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	1	46.96
AVERAGE		51.72	48.72	47.76	49.86	50.82	49.01	49.61	50.93	47.53	51.61	51.80	11	49.94

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	91.00	86.00	51.00	63.00	90.00	89.00	79.00	86.50	52.00	96.00	92.00	11	79.59
MT910189	Hockett	96.00	79.00	79.00	73.00	84.00	92.00	81.00	86.00	70.00	95.00	88.00	11	86.54
MT970116	Craft	91.00	91.00	71.00	72.00	93.00	94.00	83.00	88.50	60.00	97.00	94.00	11	86.41
PI568246	Baronesse	94.00	82.00	75.00	36.00	81.00	88.00	79.00	78.00	28.00	95.00	91.00	11	74.79
MT960101	Geraldine	88.00	84.00	73.00	37.00	0.00	81.00	68.00	66.00	17.00	91.00	82.00	10	68.95
SK 76333	Harrington	93.00	83.00	70.00	78.00	89.00	91.00	78.00	75.50	0.00	92.00	91.00	10	82.91
6B952482	Tradition	0.00	0.00	69.00	70.00	88.00	89.00	92.00	87.00	57.00	95.00	93.00	9	85.86
MT010158	Amsterdam	0.00	0.00	0.00	54.00	83.00	93.00	73.00	84.00	69.00	91.00	94.00	8	79.75
MT010160	MT920041/Harrington	0.00	0.00	0.00	70.00	79.00	83.00	68.00	90.00	32.00	88.00	94.00	8	73.39
2B965057	Conrad	0.00	0.00	0.00	0.00	92.00	95.00	81.00	90.50	50.00	96.00	88.00	7	80.49
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	88.00	89.00	81.00	89.00	51.00	89.00	92.00	7	78.91
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	92.00	91.00	83.00	85.00	41.00	89.00	89.00	7	76.87
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	84.00	89.00	75.00	84.00	49.00	92.00	94.00	7	77.05
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	90.00	90.00	85.00	89.50	0.00	97.00	95.00	6	81.78
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	95.00	85.00	81.00	90.00	0.00	90.00	94.00	6	80.06
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	88.00	77.00	79.50	57.00	93.00	86.00	6	78.03
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	92.00	86.00	89.50	80.00	94.00	95.00	6	88.97
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	90.00	77.00	85.50	57.00	95.00	90.00	6	80.1
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	81.00	80.50	40.00	93.00	87.00	5	73.85
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	75.00	79.00	57.00	93.00	84.00	5	77.05
TR232	Metcalfe	0.00	0.00	0.00	0.00	88.00	0.00	81.00	77.00	0.00	97.00	89.00	5	77.54
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.50	50.00	96.00	95.00	4	78.78
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.50	74.00	89.00	96.00	4	86.73
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	83.00	95.00	3	63.09
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	95.00	93.00	3	73.48
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.00	96.00	95.00	3	96.78
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	93.00	93.00	3	80.07
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	93.00	2	79.19
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	94.00	2	80.46
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	91.00	2	79.16
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	94.00	2	79.63
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	98.00	2	82.19
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	85.00	2	73.25
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	94.00	2	79.63
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	95.00	2	79.23
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	91.00	2	77.09
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	96.00	2	80.08
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	95.00	2	81.3
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	1	79.59
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	1	79.59
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	78.73
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	82.19
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	1	83.92
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	80.46
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	82.19
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	84.78
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	80.46
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	1	81.32
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	1	83.05
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	1	73.54
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	1	81.32
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.00	1	77
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	1	83.05
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	1	75.27
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	1	76.13
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	78.73
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	80.46
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.00	1	71.8
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	1	79.59
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1	77.86
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.00	1	72.67
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	1	83.05
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	1	82.19
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1	77.86
AVERAGE		92.17	84.17	69.71	61.44	87.73	89.39	79.24	83.80	51.91	93.18	91.94	11	81.42

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	164.91	174.29	180.24	168.33	171.44	171.33	164.02	168.20	170.23	172.46	177.87	11	171.21
MT910189	Hockett	162.77	174.31	180.36	167.32	166.29	170.98	164.09	165.80	168.44	171.57	177.09	11	169.9
MT970116	Craft	163.86	174.72	180.06	167.32	170.18	170.33	163.32	168.40	169.85	172.01	178.30	11	170.75
PI568246	Baronesse	166.30	176.02	182.03	170.09	173.97	173.83	168.14	171.10	171.41	174.31	179.38	11	173.34
MT960101	Geraldine	167.81	182.08	182.49	171.96	0.00	174.02	167.51	172.00	172.24	175.80	181.29	10	174.74
SK 76333	Harrington	165.97	177.38	180.72	169.25	172.31	172.85	166.67	170.70	0.00	172.93	179.28	10	172.72
6B952482	Tradition	0.00	0.00	179.86	167.29	169.63	169.82	163.81	167.60	168.96	172.18	177.90	9	170.42
MT010158	Amsterdam	0.00	0.00	0.00	168.61	171.84	172.10	166.82	168.80	169.05	173.04	178.67	8	171.85
MT010160	MT920041/Harrington	0.00	0.00	0.00	168.89	171.77	170.88	164.60	171.10	170.81	174.13	179.36	8	172.17
2B965057	Conrad	0.00	0.00	0.00	0.00	172.29	173.70	167.18	170.00	170.88	174.14	179.47	7	172.96
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	164.93	167.98	163.05	165.70	167.44	170.99	176.07	7	168.44
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	172.20	172.32	166.44	171.70	170.84	175.51	179.94	7	173.14
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	168.03	171.25	164.12	168.60	170.06	172.81	177.09	7	170.7
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	171.46	171.95	164.25	170.40	0.00	173.67	178.46	6	172.03
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	170.51	170.99	164.44	168.70	0.00	172.48	177.29	6	171.07
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	170.93	164.75	167.30	169.47	171.81	177.65	6	170.85
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	171.93	166.37	171.30	171.99	173.10	179.96	6	172.98
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	171.77	166.14	169.60	170.86	172.95	178.05	6	172.11
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	165.07	169.60	170.23	172.54	179.52	5	172.05
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	166.07	171.00	171.20	173.14	179.19	5	172.79
TR232	Metcalfe	0.00	0.00	0.00	0.00	168.85	0.00	163.91	169.00	0.00	172.39	178.22	5	170.89
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.80	170.76	174.83	179.52	4	172.99
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.60	172.15	174.36	181.07	4	173.8
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.00	174.57	179.30	3	172.96
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.78	174.67	178.70	3	173.06
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.46	172.24	178.17	3	170.64
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.03	175.53	179.78	3	173.11
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.52	178.13	2	171.37
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.10	180.89	2	172.98
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.56	177.81	2	172.22
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.55	180.10	2	173.82
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.51	178.96	2	172.26
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.70	178.74	2	171.75
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.81	178.58	2	172.72
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.54	178.71	2	171.65
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.06	178.55	2	171.84
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.57	177.49	2	171.08
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.99	179.12	2	172.08
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.61	1	171.92
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.86	1	176.01
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.93	1	175.12
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.84	1	175.99
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.62	1	174.82
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.84	1	173.11
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.72	1	174.92
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.70	1	173.93
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	1	173.91
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.51	1	173.75
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.72	1	172.99
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.28	1	172.57
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.09	1	171.42
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.07	1	171.4
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.53	1	171.85
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.06	1	172.36
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.20	1	170.57
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.36	1	170.72
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.29	1	172.58
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.07	1	172.37
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.35	1	171.67
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.09	1	172.39
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.61	1	170.96
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.20	1	172.49
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.26	1	170.62
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.54	1	174.74
AVERAGE		165.27	176.47	180.82	168.78	170.38	171.61	165.27	169.52	170.48	173.37	179.12	11	171.92

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	25.64	24.86	24.20	29.16	30.46	25.78	26.58	30.70	27.21	18.06	20.61	11	25.75
MT910189	Hockett	23.19	25.50	21.82	28.75	28.99	25.11	25.28	29.10	25.41	16.93	23.92	11	24.99
MT970116	Craft	28.72	30.26	26.17	32.49	31.58	27.96	25.45	32.40	27.95	19.47	26.15	11	28.19
PI568246	Baronesse	23.15	25.26	23.27	26.92	27.26	23.21	22.28	26.60	23.95	16.75	22.99	11	23.94
MT960101	Geraldine	22.32	26.08	19.33	25.56	0.00	25.87	22.92	26.70	22.06	15.33	23.01	10	23.45
SK 76333	Harrington	24.15	24.96	21.59	26.99	29.76	25.57	24.52	27.60	0.00	15.13	24.05	10	24.61
6B952482	Tradition	0.00	0.00	24.19	31.12	32.46	28.53	26.60	33.70	30.03	18.23	25.35	9	27.7
MT010158	Amsterdam	0.00	0.00	0.00	28.81	29.89	24.89	24.30	29.00	25.75	17.15	20.10	8	24.67
MT010160	MT920041/Harrington	0.00	0.00	0.00	29.68	29.61	25.64	26.23	30.60	25.85	16.76	23.50	8	25.71
2B965057	Conrad	0.00	0.00	0.00	0.00	29.28	25.67	24.36	27.60	24.17	16.42	23.23	7	24.64
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	30.18	28.22	26.79	29.00	26.01	17.60	24.41	7	26.31
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	31.28	26.32	25.94	29.40	25.36	20.00	25.04	7	26.62
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	30.99	26.73	25.09	28.20	25.80	16.22	23.62	7	25.42
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	32.94	24.52	24.57	29.30	0.00	18.53	24.84	6	26.36
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	30.91	26.52	25.91	29.60	0.00	15.92	24.59	6	26
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	25.18	25.48	27.50	23.71	15.29	21.33	6	23.97
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	24.72	28.05	30.30	27.56	18.24	25.34	6	26.84
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	26.23	26.57	29.30	26.43	20.04	23.71	6	26.62
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	25.01	27.70	24.65	17.97	22.97	5	25.02
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	22.49	28.00	23.44	15.68	21.49	5	23.33
TR232	Metcalfe	0.00	0.00	0.00	0.00	29.27	0.00	26.81	29.50	0.00	17.28	26.46	5	26.63
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.90	24.86	18.56	23.17	4	26.01
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.00	26.83	18.86	27.05	4	28.44
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.53	16.04	24.59	3	25.29
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.71	16.29	23.50	3	25.01
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.36	16.09	24.46	3	25.52
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.47	15.06	21.62	3	23.88
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.07	24.52	2	28.2
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.33	18.07	2	21.5
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.16	27.02	2	28.4
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.41	26.91	2	28.51
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.12	23.19	2	25.27
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.34	23.05	2	23.91
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.13	23.28	2	26.04
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.47	22.29	2	24.95
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.36	22.50	2	24.29
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.85	20.25	2	23.24
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.80	23.03	2	27.08
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.52	1	31.89
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.41	1	26.75
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.30	1	26.61
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.54	1	28.16
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.44	1	30.54
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.87	1	28.57
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.51	1	29.37
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.05	1	26.3
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.38	1	27.96
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.19	1	28.97
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.24	1	27.79
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.27	1	31.57
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54	1	34.41
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	1	27.49
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.98	1	27.46
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.95	1	31.17
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.79	1	29.72
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.56	1	25.69
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.36	1	27.94
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.01	1	27.5
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.69	1	27.1
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.80	1	25.99
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.30	1	26.61
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.32	1	25.39
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.51	1	28.12
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.25	1	26.55
AVERAGE		24.53	26.15	22.94	28.83	30.32	25.93	25.30	29.33	25.35	16.74	23.19	11	25.37

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	12.30	14.60	12.80	12.74	12.86	12.06	12.47	12.00	12.80	14.48	10.04	11	12.65
MT910189	Hockett	11.30	13.00	12.40	13.19	13.18	11.49	12.04	11.10	12.60	13.80	10.88	11	12.31
MT970116	Craft	12.60	13.80	13.00	13.42	13.97	12.61	12.37	11.60	14.40	14.00	11.87	11	13.11
PI568246	Baronesse	11.50	13.40	13.70	14.47	13.36	11.81	13.05	11.50	13.10	14.66	11.86	11	12.99
MT960101	Geraldine	11.40	13.80	13.30	13.37	0.00	11.92	13.04	12.10	13.10	15.15	12.71	10	13.08
SK 76333	Harrington	11.50	14.00	14.10	13.00	13.16	11.70	12.11	12.10	0.00	14.53	10.81	10	12.74
6B952482	Tradition	0.00	0.00	13.30	13.76	13.71	12.70	12.24	12.00	12.70	14.09	11.45	9	13.11
MT010158	Amsterdam	0.00	0.00	0.00	14.14	14.10	11.86	13.07	12.30	13.20	14.88	12.14	8	13.49
MT010160	MT920041/Harrington	0.00	0.00	0.00	13.90	14.52	13.21	13.23	11.80	14.60	13.85	10.41	8	13.43
2B965057	Conrad	0.00	0.00	0.00	0.00	13.32	12.33	13.47	12.90	13.80	14.73	11.49	7	13.47
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	13.24	12.86	12.48	11.90	13.10	13.43	10.55	7	12.81
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	13.47	12.94	12.59	12.20	13.70	14.37	11.60	7	13.31
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	14.03	12.29	13.13	11.70	13.40	14.51	11.88	7	13.32
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	12.82	13.33	12.91	12.40	0.00	13.56	12.24	6	13.34
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	13.87	13.41	12.59	12.10	0.00	13.90	11.33	6	13.28
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	11.67	11.80	10.10	11.70	12.96	10.68	6	11.87
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	12.67	12.43	12.00	12.60	14.36	11.44	6	12.99
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	11.87	11.86	11.80	12.30	14.98	11.41	6	12.76
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	12.85	12.20	13.00	14.41	10.78	5	12.98
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	12.44	11.30	12.60	13.85	10.76	5	12.53
TR232	Metcalfe	0.00	0.00	0.00	0.00	12.93	0.00	13.02	12.00	0.00	14.28	10.52	5	12.86
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.60	12.20	12.39	11.31	4	12.34
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	11.70	13.86	10.96	4	12.35
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.30	14.77	11.48	3	13.5
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.60	14.14	11.12	3	13.27
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	14.50	11.05	3	12.98
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.50	14.77	11.58	3	13.61
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.42	11.08	2	13.28
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.73	13.06	2	14.66
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.71	10.99	2	13.35
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.57	11.34	2	13.07
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.94	11.56	2	13.37
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.72	11.31	2	13.55
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.11	11.11	2	13.16
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.62	11.81	2	13.39
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.74	10.75	2	12.77
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.88	11.76	2	13.47
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.76	10.17	2	11.98
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.82	1	13.63
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.67	1	14.7
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	1	13.56
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.35	1	14.3
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.29	1	14.22
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.84	1	14.92
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.89	1	13.72
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.98	1	15.09
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.58	1	14.59
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.55	1	15.81
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.26	1	15.45
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	1	14.77
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.07	1	17.73
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.56	1	13.31
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.71	1	16.01
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.13	1	15.28
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.98	1	13.83
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.05	1	12.66
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.93	1	13.77
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.19	1	15.36
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.54	1	14.54
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	1	14.24
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.91	1	13.75
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.05	1	13.92
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.06	1	12.68
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.57	1	12.06
AVERAGE		11.77	13.77	13.23	13.55	13.50	12.37	12.63	11.83	13.02	14.14	11.34	11	12.87

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/bu)	# Yrs	Plump (%)	# Yrs	Protein (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)
MT950186	Haxby	11	111.46	11	50.49	11	81.11	11	12.88	11	175.94	11	30.95
MT910189	Hockett	11	100.86	11	48.25	11	79.53	11	12.71	11	175.17	11	29.53
MT970116	Craft	11	110.45	11	49.86	11	82.08	11	12.64	11	176.32	11	33.41
PI568246	Baronesse	11	112.5	11	49.17	11	80.27	11	12.74	11	178.25	11	29.38
MT960101	Geraldine	10	107.05	10	48.24	10	72.26	10	12.5	10	179.31	10	29.14
SK 76333	Harrington	10	102.13	10	46.86	10	80.24	10	12.97	10	178.43	10	30.82
6B952482	Tradition	9	111.47	9	47.43	9	82.83	9	13.06	9	175.01	9	32.61
MT010158	Amsterdam	8	98.96	8	48.2	8	82.68	8	12.82	8	176.67	8	29.13
MT010160	MT920041/Harrington	8	104.97	8	48.25	8	79.54	8	13.17	8	178.05	8	31.69
2B965057	Conrad	7	112.65	7	48.92	7	86.26	7	13.79	7	177.75	7	29.68
MT020155	MT960225/H1851195	7	113.69	7	47.97	7	77.62	7	13.04	7	173.67	7	31.13
MT020162	MT960225/H1851195	7	109.03	7	49.32	7	83.94	7	13.09	7	178.31	7	32.98
MT020204	MTLB 32/H1851195	7	111.53	7	49.4	7	80.06	7	13.01	7	175.68	7	30.88
MT020167	MT960225/H3860224	6	101.69	6	49.47	6	85.17	6	13.53	6	177.99	6	31.05
MT020205	MTLB 32/H1851195	6	109.88	6	49.37	6	81.18	6	13.33	6	176.04	6	30.87
MT030042	MT910189/MT960099	6	108.97	6	49.65	6	80.82	6	12.07	6	176.36	6	29.66
MT030063	MT950155/Harrington	6	108.89	6	49.91	6	84.97	6	12.76	6	178.13	6	33.68
MT030079	MT950186/MT960225	6	111.09	6	50.31	6	83.39	6	12.73	6	176.89	6	31.72
MT040073	MT960045/Harrington	5	118.73	5	50.99	5	82.05	5	12.89	5	177.09	5	31.34
MT040209	MT960228/MT950186	5	125.14	5	49.33	5	80.12	5	12.77	5	178.19	5	31.06
TR232	Metcalfe	5	100.03	5	48.34	5	82.11	5	13.14	5	177.71	5	31.78
MT050030	GS 1750/Bearpaw	4	124.74	4	48.83	4	81.98	4	12.17	4	177.77	4	32.62
MT050062	Harrington/MT960225	4	120.25	4	49.52	4	83.03	4	11.81	4	178.32	4	35.05
MT061032	Baronesse/MT981210	3	119.64	3	49.19	3	78.53	3	13.13	3	177.48	3	30.68
MT061035	Baronesse/MT981210	3	113.26	3	48.92	3	80.62	3	12.15	3	177.35	3	30.05
MT061104	Harrington/MT970229	3	108.59	3	48.63	3	79.92	3	12.88	3	175.62	3	31.59
MT061169	MT960101/Coors 37	3	115.35	3	48.42	3	79.35	3	14	3	177.56	3	30.32
MT070063	MT010178/MT970116	2	103.4	2	48.96	2	80.66	2	12.93	2	175.84	2	32.72
MT070086	MT970148/Coors37	2	102.34	2	48.55	2	81.11	2	12.43	2	176.44	2	27
MT070111	MT010178/Harrington	2	103.94	2	49.35	2	81.56	2	12.85	2	177.39	2	32.27
MT070125	MT981210/MT970116	2	106.11	2	50.17	2	81.11	2	12.79	2	177.66	2	31.08
MT070148	MT990172/Metcalfe	2	106.91	2	49.04	2	83.81	2	13.17	2	176.23	2	28.99
MT070156	MT970148/Klages	2	111.66	2	48.71	2	80.66	2	12.51	2	175.55	2	29.6
MT070157	MT970148/Klages	2	105.1	2	48.73	2	82.01	2	12.64	2	176.14	2	29.54
MT070158	MT970148/Klages	2	107.26	2	48.8	2	83.81	2	12.79	2	175.76	2	29.29
MT070159	MT970148/Klages	2	110.72	2	48.88	2	81.56	2	12.5	2	175.7	2	29.75
MT070161	MT970148/Klages	2	107.03	2	48.46	2	82.01	2	12.75	2	175.51	2	28.62
MT070175	LK644///Hockett F5	2	103.76	2	49.04	2	80.21	2	11.5	2	177.15	2	31.67
COPELAND	Copeland	1	107.47	1	48.06	1	83.81	1	11.95	1	178.23	1	33.05
EM090117	03013-25	1	91.08	1	46.6	1	82.01	1	13.94	1	179.18	1	30.14
EM090128	03021-03	1	109.03	1	47.57	1	77.5	1	13.38	1	178.2	1	28.59
EM090130	03021-35	1	99.72	1	48.54	1	80.21	1	13.56	1	179.17	1	29.89
EM090134	03021-74	1	88.91	1	46.6	1	77.5	1	13.9	1	178.2	1	32.06
MT080001	Amulet/Metcalfe	1	101.64	1	50.49	1	82.01	1	14.01	1	178.18	1	28.64
MT080017	Amulet/MT960101	1	105	1	48.54	1	81.11	1	12.11	1	178.86	1	31.21
MT080077	Coors/Kendall	1	101.35	1	47.57	1	80.21	1	14.06	1	177.84	1	30.02
MT080081	Coors/Metcalfe	1	96.88	1	47.57	1	79.3	1	14.05	1	177.23	1	27.84
MT080083	Coors/Metcalfe	1	105.09	1	46.6	1	76.6	1	13.85	1	177.58	1	31.12
MT080084	Coors/Metcalfe	1	99.24	1	48.54	1	79.3	1	13.74	1	177.86	1	29.94
MT080085	Coors/Metcalfe	1	110.16	1	49.51	1	83.81	1	13.71	1	178.19	1	30.8
MT080100	Karma	1	42.95	1	55.83	1	79.3	1	16.66	1	177.85	1	33.97
MT080172	Klages/Stratus	1	99.02	1	47.09	1	78.4	1	13.14	1	177.54	1	31.3
MT080179	Metcalfe/MT990106	1	101.67	1	49.51	1	84.71	1	13.81	1	176.58	1	32.93
MT080243	MT960101/MT981210	1	104.74	1	49.03	1	82.01	1	13.3	1	177.88	1	32.19
MT080261	MT970026/MT981091	1	98.27	1	46.6	1	69.39	1	13.02	1	176.27	1	29.81
MT080274	MT970148/Conlon	1	109.91	1	48.54	1	81.11	1	12.14	1	175.9	1	30.18
MT080277	MT970148/Merit	1	102.25	1	47.09	1	79.3	1	12.78	1	176.9	1	31.66
MT080279	MT970148/MT970116	1	103.84	1	48.06	1	81.11	1	12.64	1	176.89	1	29.96
MT080281	MT970148/MT970116	1	100.54	1	46.6	1	80.21	1	12.48	1	175.93	1	29.14
MT080283	MT970148MT970116	1	107.26	1	48.06	1	82.01	1	13.03	1	176.9	1	29.29
MT080284	MT970148/MT970116	1	103.82	1	47.09	1	81.11	1	12.87	1	176.56	1	31.38
MT080285	MT970148/MT970116	1	109.9	1	48.54	1	82.91	1	13.23	1	176.9	1	28.84
PI643354	Pinnacle	1	98.86	1	48.06	1	84.71	1	11.56	1	175.93	1	30.87
SCARLETT	Scarlett	1	97.18	1	48.54	1	83.81	1	13.37	1	178.19	1	31.56
AVERAGE		11	107.59	11	48.76	11	79.6	11	12.86	11	176.97	11	30.56

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	130.57	73.21	87.35	128.34	150.53	115.89	100.14	52.60	125.27	146.76	115.45	11	111.46
MT910189	Hockett	108.17	56.80	74.32	121.58	128.43	103.03	89.00	49.60	136.03	145.87	103.56	11	100.86
MT970116	Craft	125.62	73.07	81.04	137.14	132.23	102.15	96.97	64.90	135.36	139.59	109.62	11	110.45
PI568246	Baronesse	133.31	64.18	77.80	137.33	135.40	95.16	108.06	68.90	146.93	142.33	114.46	11	112.5
MT960101	Geraldine	127.28	55.57	75.82	131.26	0.00	97.68	96.08	62.30	134.48	145.48	107.12	10	107.05
SK 76333	Harrington	113.57	61.90	71.01	118.79	126.23	92.31	97.20	64.10	0.00	141.67	106.05	10	102.13
6B952482	Tradition	0.00	0.00	88.25	130.84	126.10	108.69	113.57	56.80	140.22	144.52	101.25	9	111.47
MT010158	Amsterdam	0.00	0.00	0.00	119.58	122.67	100.97	95.48	49.30	130.20	122.08	83.40	8	98.96
MT010160	MT920041/Harrington	0.00	0.00	0.00	124.49	120.40	95.87	103.52	60.60	133.97	131.36	90.82	8	104.97
2B965057	Conrad	0.00	0.00	0.00	0.00	131.93	105.68	113.67	61.90	145.78	130.27	106.56	7	112.65
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	144.77	113.22	117.60	50.20	135.59	147.79	113.45	7	113.69
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	123.93	109.41	103.74	60.30	139.47	132.43	101.81	7	109.03
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	145.20	109.22	105.92	54.30	141.89	143.42	103.55	7	111.53
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	127.53	103.04	94.05	49.20	0.00	136.68	107.59	6	101.69
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	141.57	109.89	103.72	57.70	0.00	139.38	108.92	6	109.88
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	103.36	93.57	48.50	156.16	145.10	101.84	6	108.97
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	101.17	100.53	54.30	137.32	142.32	102.35	6	108.89
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	112.13	93.85	50.70	140.94	156.19	106.40	6	111.09
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	104.87	64.60	135.64	147.87	110.87	5	118.73
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	116.04	68.10	146.76	142.77	117.24	5	125.14
TR232	Metcalfe	0.00	0.00	0.00	0.00	123.87	0.00	84.78	51.10	0.00	132.48	108.89	5	100.03
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.40	143.87	154.15	117.21	4	124.74
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.20	130.16	149.50	106.56	4	120.25
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154.26	144.22	116.14	3	119.64
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.66	148.21	110.32	3	113.26
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.75	134.72	107.24	3	108.59
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.08	150.56	110.89	3	115.35
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	142.86	101.81	2	103.4
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152.15	92.30	2	102.34
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.84	99.01	2	103.94
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.55	111.61	2	106.11
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.21	108.80	2	106.91
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	149.63	113.59	2	111.66
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.00	105.22	2	105.1
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.30	101.59	2	107.26
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.31	111.12	2	110.72
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.25	105.09	2	107.03
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.73	100.31	2	103.76
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.31	1	107.47
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.34	1	91.08
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.93	1	109.03
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.29	1	99.72
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.09	1	88.91
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.27	1	101.64
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.75	1	105
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.97	1	101.35
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.34	1	96.88
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.85	1	105.09
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.79	1	99.24
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.10	1	110.16
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.49	1	42.95
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.56	1	99.02
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.31	1	101.67
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.49	1	104.74
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.78	1	98.27
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.84	1	109.91
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.91	1	102.25
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.55	1	103.84
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.14	1	100.54
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.09	1	107.26
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.53	1	103.82
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.83	1	109.9
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.39	1	98.86
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.65	1	97.18
AVERAGE		123.09	64.12	79.37	127.71	132.05	104.38	101.54	58.11	139.16	143.46	105.13	11	107.59

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	51.33	42.08	48.96	52.83	52.93	50.30	48.39	50.40	53.80	52.32	52.00	11	50.49
MT910189	Hockett	48.83	37.60	45.68	51.33	51.87	48.91	45.35	48.60	52.25	51.15	50.00	11	48.25
MT970116	Craft	50.83	42.43	47.48	53.00	50.71	49.43	47.42	50.20	53.64	52.15	51.00	11	49.86
PI568246	Baronesse	51.67	38.49	48.14	52.00	49.64	48.17	47.74	50.10	53.26	51.16	51.00	11	49.17
MT960101	Geraldine	49.83	36.62	46.34	51.33	0.00	46.72	46.86	49.90	52.28	52.01	49.00	10	48.24
SK 76333	Harrington	49.50	35.07	44.96	49.67	49.22	45.62	43.86	47.70	0.00	51.00	50.00	10	46.86
6B952482	Tradition	0.00	0.00	46.29	50.00	48.60	47.08	47.24	47.20	50.21	50.69	46.50	9	47.43
MT010158	Amsterdam	0.00	0.00	0.00	50.83	50.60	47.64	46.39	48.80	51.62	50.86	47.50	8	48.2
MT010160	MT920041/Harrington	0.00	0.00	0.00	51.00	50.45	45.68	46.30	49.10	51.55	51.15	49.50	8	48.25
2B965057	Conrad	0.00	0.00	0.00	0.00	50.01	48.00	48.36	48.10	53.63	50.83	50.00	7	48.92
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	49.62	48.21	47.17	47.40	51.91	49.33	48.50	7	47.97
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	51.48	49.12	47.93	50.00	52.78	50.98	49.50	7	49.32
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	51.75	49.45	47.76	50.10	53.11	50.66	49.50	7	49.4
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	51.07	48.54	47.70	49.20	0.00	52.68	51.00	6	49.47
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	51.01	49.63	48.58	49.70	0.00	51.49	49.00	6	49.37
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	50.00	47.53	49.90	52.50	51.67	50.50	6	49.65
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	49.99	49.08	49.30	53.41	51.85	50.00	6	49.91
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	50.75	48.49	50.10	54.10	51.67	51.00	6	50.31
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	49.46	51.20	53.55	53.18	52.00	5	50.99
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	47.19	49.60	53.43	51.35	49.50	5	49.33
TR232	Metcalfe	0.00	0.00	0.00	0.00	50.02	0.00	45.82	47.90	0.00	51.49	50.00	5	48.34
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.80	53.26	50.15	49.50	4	48.83
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	53.75	50.82	51.00	4	49.52
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.73	50.84	50.50	3	49.19
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.06	50.17	50.00	3	48.92
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.48	50.86	49.00	3	48.63
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.85	50.82	49.00	3	48.42
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.17	50.00	2	48.96
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.84	48.50	2	48.55
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.98	50.00	2	49.35
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.68	51.00	2	50.17
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.84	49.50	2	49.04
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.66	50.00	2	48.71
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.19	49.50	2	48.73
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.83	50.00	2	48.8
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	50.50	2	48.88
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.64	49.50	2	48.46
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.34	50.00	2	49.04
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	48.06
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	46.6
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	1	47.57
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	48.54
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	46.6
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	50.49
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	48.54
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	1	47.57
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	1	47.57
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	46.6
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	48.54
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	49.51
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.50	1	55.83
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.50	1	47.09
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	1	49.51
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	1	49.03
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	46.6
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	48.54
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.50	1	47.09
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	48.06
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	1	46.6
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	48.06
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.50	1	47.09
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	48.54
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.50	1	48.06
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	1	48.54
AVERAGE		50.33	38.72	46.84	51.33	50.60	48.51	47.36	49.23	52.79	51.26	49.80	11	48.76

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	83.00	38.00	83.00	92.00	96.00	86.00	68.33	72.00	93.84	90.00	90.00	11	81.11
MT910189	Hockett	77.00	31.00	65.00	92.00	97.00	95.00	74.00	77.00	93.06	92.00	88.00	11	79.53
MT970116	Craft	84.00	32.00	72.00	94.00	96.00	94.00	76.67	82.00	95.05	91.00	91.00	11	82.08
PI568246	Baronesse	88.00	31.00	83.00	85.00	91.00	79.00	74.00	84.00	95.25	84.00	92.00	11	80.27
MT960101	Geraldine	79.00	22.00	71.00	85.00	0.00	67.00	71.67	69.00	87.80	86.00	83.00	10	72.26
SK 76333	Harrington	82.00	26.00	86.00	91.00	95.00	82.00	76.67	79.00	0.00	92.00	91.00	10	80.24
6B952482	Tradition	0.00	0.00	89.00	94.00	97.00	93.00	71.33	75.00	89.45	95.00	82.00	9	82.83
MT010158	Amsterdam	0.00	0.00	0.00	91.00	95.00	90.00	69.67	84.00	91.67	92.00	85.00	8	82.68
MT010160	MT920041/Harrington	0.00	0.00	0.00	88.00	82.00	76.00	73.33	86.00	88.15	91.00	84.00	8	79.54
2B965057	Conrad	0.00	0.00	0.00	0.00	97.00	95.00	73.00	89.00	95.20	91.00	90.00	7	86.26
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	73.00	80.00	76.67	76.00	92.56	84.00	82.00	7	77.62
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	95.00	90.00	76.67	81.00	92.30	90.00	88.00	7	83.94
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	91.00	77.00	77.00	80.00	93.36	85.00	80.00	7	80.06
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	92.00	88.00	81.00	80.00	0.00	90.00	92.00	6	85.17
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	86.00	89.00	68.33	83.00	0.00	90.00	83.00	6	81.18
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	83.00	71.67	72.00	89.53	91.00	90.00	6	80.82
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	92.00	78.33	79.00	95.40	87.00	89.00	6	84.97
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	91.00	72.33	77.00	95.35	86.00	91.00	6	83.39
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	69.67	76.00	94.35	89.00	89.00	5	82.05
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	68.33	72.00	92.33	88.00	88.00	5	80.12
TR232	Metcalfe	0.00	0.00	0.00	0.00	93.00	0.00	71.67	76.00	0.00	88.00	91.00	5	82.11
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	94.77	84.00	89.00	4	81.98
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00	94.91	85.00	90.00	4	83.03
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.25	83.00	89.00	3	78.53
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.29	89.00	88.00	3	80.62
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.92	87.00	88.00	3	79.92
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.88	88.00	89.00	3	79.35
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	87.00	2	80.66
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	87.00	2	81.11
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	89.00	2	81.56
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	90.00	2	81.11
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	95.00	2	83.81
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	89.00	2	80.66
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	91.00	2	82.01
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	93.00	2	83.81
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	91.00	2	81.56
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	90.00	2	82.01
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	91.00	2	80.21
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	83.81
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	82.01
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.00	1	77.5
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.00	1	80.21
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.00	1	77.5
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	82.01
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1	81.11
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.00	1	80.21
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	1	79.3
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	1	76.6
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	1	79.3
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	83.81
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	1	79.3
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	1	78.4
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	1	84.71
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	82.01
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.00	1	69.39
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1	81.11
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	1	79.3
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1	81.11
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.00	1	80.21
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	1	82.01
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1	81.11
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.00	1	82.91
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.00	1	84.71
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	1	83.81
AVERAGE		82.17	30.00	78.43	90.22	91.73	85.94	73.35	78.74	92.99	89.18	88.88	11	79.6

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	164.29	179.68	186.23	174.20	175.95	172.58	172.34	175.30	177.97	176.12	180.68	11	175.94
MT910189	Hockett	161.00	179.54	186.77	171.29	174.20	173.16	172.95	177.00	175.27	173.95	182.03	11	175.17
MT970116	Craft	164.02	180.57	185.99	174.13	176.76	172.83	173.68	176.00	176.18	177.36	181.99	11	176.32
PI568246	Baronesse	166.36	182.12	187.24	176.08	180.86	174.23	175.37	178.40	179.70	177.93	182.34	11	178.25
MT960101	Geraldine	167.66	183.14	189.53	178.99	0.00	175.65	176.02	180.10	179.75	178.81	183.31	10	179.31
SK 76333	Harrington	166.32	182.67	188.33	176.91	179.68	175.38	175.35	178.30	0.00	177.22	181.99	10	178.43
6B952482	Tradition	0.00	0.00	184.76	171.67	175.59	171.51	171.28	175.70	176.38	175.37	180.70	9	175.01
MT010158	Amsterdam	0.00	0.00	0.00	174.39	177.02	174.13	174.98	177.40	175.14	175.52	182.33	8	176.67
MT010160	MT920041/Harrington	0.00	0.00	0.00	175.41	180.01	174.49	176.01	177.70	178.57	177.41	182.31	8	178.05
2B965057	Conrad	0.00	0.00	0.00	0.00	177.79	174.91	174.70	178.90	177.22	177.34	182.68	7	177.75
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	172.43	169.97	170.69	174.70	174.35	172.59	180.34	7	173.67
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	179.23	174.32	175.05	179.00	178.92	177.98	183.01	7	178.31
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	176.26	172.97	173.33	175.40	175.70	174.40	180.98	7	175.68
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	180.11	173.42	174.66	178.50	0.00	176.56	182.00	6	177.99
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	176.18	173.35	172.36	175.50	0.00	174.85	181.30	6	176.04
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	173.46	173.71	178.70	175.46	174.76	181.36	6	176.36
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	173.52	175.30	179.00	178.84	178.14	183.32	6	178.13
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	172.94	174.34	177.50	178.16	176.05	181.66	6	176.89
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	173.99	177.20	178.62	176.98	181.34	5	177.09
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	174.65	179.10	179.08	178.49	182.35	5	178.19
TR232	Metcalfe	0.00	0.00	0.00	0.00	178.86	0.00	173.95	177.60	0.00	176.51	182.32	5	177.71
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.20	179.03	177.52	182.69	4	177.77
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.90	179.75	178.32	182.67	4	178.32
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.94	177.84	182.67	3	177.48
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.40	177.69	182.98	3	177.35
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.01	175.81	181.99	3	175.62
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.09	177.96	182.65	3	177.56
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.28	181.34	2	175.84
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.50	181.31	2	176.44
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.41	182.33	2	177.39
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.28	183.02	2	177.66
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.07	181.32	2	176.23
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.03	180.99	2	175.55
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.88	181.34	2	176.14
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.11	181.35	2	175.76
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.68	181.67	2	175.7
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.92	181.03	2	175.51
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.29	181.96	2	177.15
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.03	1	178.23
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.01	1	179.18
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	1	178.2
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.00	1	179.17
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	1	178.2
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.98	1	178.18
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.68	1	178.86
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.63	1	177.84
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.00	1	177.23
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.36	1	177.58
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.65	1	177.86
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.99	1	178.19
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.64	1	177.85
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.32	1	177.54
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.34	1	176.58
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.67	1	177.88
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.02	1	176.27
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.64	1	175.9
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.67	1	176.9
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.66	1	176.89
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	1	175.93
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.67	1	176.9
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.32	1	176.56
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.67	1	176.9
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	1	175.93
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.99	1	178.19
AVERAGE		164.94	181.29	186.98	174.79	177.40	173.49	174.03	177.57	177.68	176.45	182.08	11	176.97

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	32.64	30.10	25.86	39.76	34.98	33.54	30.64	26.40	31.53	26.59	28.37	11	30.95
MT910189	Hockett	29.82	28.80	22.40	34.91	31.20	31.34	28.49	25.70	34.73	26.20	30.25	11	29.53
MT970116	Craft	35.32	32.42	26.12	40.68	35.04	35.61	32.57	32.80	36.01	28.48	31.27	11	33.41
PI568246	Baronesse	29.50	27.91	23.62	35.70	31.52	30.11	29.91	27.70	32.70	25.08	28.22	11	29.38
MT960101	Geraldine	30.97	27.40	22.94	35.04	0.00	30.21	28.05	27.40	30.70	26.47	27.42	10	29.14
SK 76333	Harrington	31.86	27.45	24.95	37.66	32.36	32.02	31.09	30.30	0.00	27.29	30.92	10	30.82
6B952482	Tradition	0.00	0.00	26.22	37.27	37.45	34.38	33.11	29.50	35.84	28.47	29.29	9	32.61
MT010158	Amsterdam	0.00	0.00	0.00	36.09	33.81	29.31	27.02	27.30	32.28	24.55	26.11	8	29.13
MT010160	MT920041/Harrington	0.00	0.00	0.00	37.27	33.54	32.52	32.57	29.90	35.35	25.41	29.92	8	31.69
2B965057	Conrad	0.00	0.00	0.00	0.00	31.87	29.42	30.43	27.60	32.57	24.05	26.92	7	29.68
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	31.64	32.46	30.26	28.20	35.58	25.76	28.82	7	31.13
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	34.36	36.17	32.56	31.80	34.06	25.99	30.50	7	32.98
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	33.43	31.49	30.20	28.40	34.46	25.05	28.22	7	30.88
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	34.44	33.43	30.09	27.30	0.00	25.79	29.89	6	31.05
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	35.54	31.37	30.21	27.80	0.00	25.90	28.94	6	30.87
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	29.49	27.44	27.20	32.85	25.20	27.11	6	29.66
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	34.62	32.98	31.40	34.70	27.83	30.80	6	33.68
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	33.77	29.05	28.00	34.17	27.30	29.06	6	31.72
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	29.67	28.60	31.89	25.92	29.11	5	31.34
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	28.45	27.50	33.49	25.66	28.98	5	31.06
TR232	Metcalfe	0.00	0.00	0.00	0.00	33.61	0.00	30.42	28.20	0.00	27.21	30.91	5	31.78
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.60	35.45	26.67	28.53	4	32.62
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.90	33.12	30.56	30.75	4	35.05
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.49	26.24	27.15	3	30.68
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.93	24.51	28.66	3	30.05
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.43	25.25	28.97	3	31.59
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.04	24.41	26.72	3	30.32
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.02	30.09	2	32.72
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.03	28.14	2	27
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.11	30.24	2	32.27
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.16	29.08	2	31.08
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.85	28.78	2	28.99
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.41	28.23	2	29.6
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.98	27.51	2	29.54
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.59	28.53	2	29.29
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.63	28.27	2	29.75
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.24	26.62	2	28.62
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.79	29.49	2	31.67
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.30	1	33.05
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.63	1	30.14
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.21	1	28.59
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.40	1	29.89
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.39	1	32.06
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.26	1	28.64
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.61	1	31.21
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.52	1	30.02
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.52	1	27.84
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.53	1	31.12
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.45	1	29.94
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.24	1	30.8
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.14	1	33.97
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.69	1	31.3
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.19	1	32.93
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.51	1	32.19
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.33	1	29.81
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.67	1	30.18
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.02	1	31.66
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.47	1	29.96
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.71	1	29.14
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.85	1	29.29
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.77	1	31.38
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.44	1	28.84
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.30	1	30.87
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.93	1	31.56
AVERAGE		31.68	29.01	24.59	37.15	33.65	32.29	30.25	28.72	33.62	25.81	28.54	11	30.56

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	13.80	14.90	14.40	11.82	11.43	12.99	12.25	12.40	11.29	13.69	12.66	11	12.88
MT910189	Hockett	13.90	15.00	13.40	11.46	11.40	12.38	13.23	12.10	11.82	12.97	11.99	11	12.71
MT970116	Craft	14.00	15.10	14.00	11.59	11.63	12.55	12.73	11.50	10.59	13.03	12.36	11	12.64
PI568246	Baronesse	12.50	14.70	14.10	10.65	12.77	13.38	12.52	11.50	11.34	13.65	12.78	11	12.74
MT960101	Geraldine	13.40	14.80	14.30	10.57	0.00	13.47	12.19	11.70	10.35	13.00	12.85	10	12.5
SK 76333	Harrington	14.20	14.90	13.90	11.38	12.10	14.44	12.94	12.00	0.00	12.94	12.34	10	12.97
6B952482	Tradition	0.00	0.00	14.40	11.51	12.57	12.92	12.45	12.40	12.27	13.18	12.56	9	13.06
MT010158	Amsterdam	0.00	0.00	0.00	10.75	12.13	12.90	12.60	12.70	11.05	12.92	12.99	8	12.82
MT010160	MT920041/Harrington	0.00	0.00	0.00	11.41	12.43	13.17	12.21	12.50	12.66	13.36	12.85	8	13.17
2B965057	Conrad	0.00	0.00	0.00	0.00	12.53	13.55	13.57	12.60	12.61	14.33	13.57	7	13.79
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	12.67	13.03	12.15	11.90	12.75	12.96	12.03	7	13.04
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	11.87	14.04	12.09	12.60	11.93	12.92	12.61	7	13.09
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	12.03	13.59	12.00	12.20	11.18	13.63	12.97	7	13.01
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	12.73	13.51	12.96	12.90	0.00	13.71	13.29	6	13.53
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	12.90	13.56	11.87	12.60	0.00	13.80	13.23	6	13.33
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	11.96	12.42	11.60	10.36	12.44	11.78	6	12.07
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	12.82	12.24	11.90	12.01	12.87	12.64	6	12.76
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	12.63	12.79	12.50	10.86	13.17	12.45	6	12.73
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	11.49	12.60	11.66	13.55	13.03	5	12.89
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	12.27	11.40	12.14	13.41	12.47	5	12.77
TR232	Metcalfe	0.00	0.00	0.00	0.00	11.57	0.00	13.22	12.40	0.00	13.24	13.24	5	13.14
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	10.99	12.58	11.74	4	12.17
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	10.10	12.60	11.72	4	11.81
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.81	13.51	13.00	3	13.13
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.52	13.30	12.88	3	12.15
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.98	13.32	13.36	3	12.88
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.48	13.97	13.27	3	14
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.34	13.09	2	12.93
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.26	13.11	2	12.43
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.26	13.00	2	12.85
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.57	12.60	2	12.79
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.40	13.50	2	13.17
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.69	12.86	2	12.51
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.82	13.00	2	12.64
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.43	12.74	2	12.79
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.88	12.68	2	12.5
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.37	12.71	2	12.75
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.17	11.36	2	11.5
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.75	1	11.95
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.71	1	13.94
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.16	1	13.38
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33	1	13.56
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.67	1	13.9
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.78	1	14.01
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.91	1	12.11
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.82	1	14.06
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.81	1	14.05
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.62	1	13.85
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.51	1	13.74
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.48	1	13.71
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.38	1	16.66
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.92	1	13.14
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.58	1	13.81
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.08	1	13.3
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	1	13.02
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.94	1	12.14
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.57	1	12.78
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.43	1	12.64
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.27	1	12.48
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.81	1	13.03
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.65	1	12.87
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01	1	13.23
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.37	1	11.56
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.15	1	13.37
AVERAGE		13.63	14.90	14.07	11.24	12.18	13.16	12.49	12.15	11.47	13.19	12.87	11	12.86

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	59.8	9	52.02	8	44.53	9	179.34	8	29.06	9	13.87
MT910189	Hockett	9	53.96	9	49.96	8	60.63	9	179.18	8	28.88	9	14.66
MT970116	Craft	9	57.67	9	51.38	8	83.2	9	178.9	8	31.07	9	14.8
PI568246	Baronesse	9	57.26	9	48.3	8	45.86	9	183.09	8	27.04	9	15.06
6B952482	Tradition	8	52.21	8	48.89	7	61.62	8	179.24	7	30.17	8	14.43
MT960101	Geraldine	8	52.96	8	49.17	7	30.28	8	185.59	8	26.35	8	15.27
SK 76333	Harrington	8	50.67	8	47.56	7	53.02	8	182.33	7	27.77	8	15.27
MT010158	Amsterdam	7	56.34	7	49.17	6	75.76	7	180.71	6	28.11	7	15.94
MT010160	MT920041/Harrington	7	56.19	7	49.09	6	74.64	7	181.31	6	29.6	7	15.44
2B965057	Conrad	6	56.45	6	49.4	6	74.26	6	181.88	5	26.53	6	16.04
MT020155	MT960225/H1851195	6	60.25	6	50.06	6	60.89	6	175.89	5	29.93	6	15.16
MT020162	MT960225/H1851195	6	60.14	6	50.74	6	66.26	6	181.77	5	29.15	6	15.56
MT020204	MTLB 32/H1851195	6	58.18	6	50.27	6	37.34	6	178.4	5	28.95	6	14.98
MT020167	MT960225/H3860224	5	62.7	5	51.06	5	57.29	5	180.14	4	29.32	5	15.51
MT020205	MTLB 32/H1851195	5	57.43	5	50.65	5	61.18	5	178.68	4	30.52	5	16.88
MT030042	MT910189/MT960099	5	59.58	5	51.08	5	57.82	5	179.84	5	26.14	5	15.05
MT030063	MT950155/Harrington	5	67.09	5	52.32	5	110.92	5	181.02	5	31.29	5	15.39
MT030079	MT950186/MT960225	5	64.71	5	51.83	5	50.57	5	180.23	5	28.12	5	14.2
MT040073	MT960045/Harrington	4	63.29	4	51.98	4	66.26	4	180.97	4	27.75	4	14.49
MT040209	MT960228/MT950186	4	57.52	4	50.95	4	67.82	4	182.24	4	27.54	4	15.58
TR232	Metcalfe	4	56.57	4	49.08	4	56.76	4	180.05	3	30.16	4	16.02
MT050030	GS 1750/Bearpaw	3	63.96	3	51.28	3	97	3	180.84	3	28.91	3	13.81
MT050062	Harrington/MT960225	3	67.13	3	51.38	3	117.5	3	181.98	3	31.64	3	15.61
MT061032	Baronesse/MT981210	2	59.21	2	49.08	2	42.56	2	181.65	2	26.91	2	14.63
MT061035	Baronesse/MT981210	2	60.13	2	48.81	2	52.48	2	182.06	2	27.94	2	16.3
MT061104	Harrington/MT970229	2	57.6	2	49.93	2	146.78	2	180.31	2	28.27	2	14.35
MT061169	MT960101/Coors 37	2	60.84	2	50.43	2	74.36	2	182.01	2	26.1	2	15.14
COPELAND	Copeland	1	62.7	1	49.89	1	45.12	1	182.31	1	31.67	1	13
EM090117	03013-25	1	62.06	1	48.7	1	46.06	1	187.17	1	24.22	1	13
EM090128	03021-03	1	66.57	1	51.1	1	43.8	1	184.28	1	26	1	14.16
EM090130	03021-35	1	68.32	1	51.64	1	46.94	1	187.2	1	24.33	1	14.16
EM090134	03021-74	1	62.18	1	50.39	1	45.76	1	185.22	1	26.89	1	14.88
MT070063	MT010178/MT970116	1	61.49	1	50.35	1	46.45	1	179.61	1	34.12	1	13.87
MT070086	MT970148/Coors37	1	59.21	1	50.1	1	47.34	1	185.92	1	21.69	1	14.74
MT070111	MT010178/Harrington	1	66.23	1	50.57	1	28.07	1	180.58	1	28.81	1	13.29
MT070125	MT981210/MT970116	1	70.6	1	50.27	1	45.42	1	180.97	1	32.29	1	15.31
MT070148	MT990172/Metcalfe	1	71.87	1	49.43	1	45.62	1	180.3	1	28.54	1	13.29
MT070156	MT970148/Klages	1	68.4	1	50.55	1	43.94	1	180.68	1	28.24	1	13.73
MT070157	MT970148/Klages	1	62.18	1	51.51	1	42.47	1	180.7	1	28.45	1	12.71
MT070158	MT970148/Klages	1	65.43	1	51.7	1	45.86	1	180.63	1	27.12	1	14.88
MT070159	MT970148/Klages	1	61.79	1	50.99	1	45.66	1	180.3	1	26.42	1	13.87
MT070161	MT970148/Klages	1	67.66	1	52.25	1	44.88	1	179.32	1	27.49	1	13.15
MT070175	LK644///Hockett F5	1	67.9	1	51.36	1	47.83	1	178.96	1	32.39	1	13.58
MT080001	Amulet/Metcalfe	1	61.73	1	51.24	1	48.12	1	183.26	1	25.63	1	18.78
MT080017	Amulet/MT960101	1	63.67	1	50.69	1	45.81	1	182.27	1	30.63	1	12.57
MT080077	Coors/Kendall	1	47.52	1	51.02	1	47.14	1	182.98	1	26.47	1	17.19
MT080081	Coors/Metcalfe	1	52.04	1	50.64	1	48.37	1	183.89	1	25.48	1	16.33
MT080083	Coors/Metcalfe	1	62.15	1	51.15	1	48.12	1	182.6	1	27.61	1	18.93
MT080084	Coors/Metcalfe	1	46.21	1	51.28	1	48.17	1	183.93	1	26.07	1	18.2
MT080085	Coors/Metcalfe	1	70.36	1	51.61	1	45.27	1	183.3	1	29.01	1	16.47
MT080100	Karma	1	44.86	1	60.68	1	0.49	1	180.99	1	34.59	1	17.77
MT080172	Klages/Stratus	1	68.72	1	51.13	1	38.68	1	179.33	1	32.99	1	17.19
MT080179	Metcalfe/MT990106	1	56.79	1	51.6	1	47.97	1	179.64	1	31.27	1	15.03
MT080243	MT960101/MT981210	1	63.58	1	49.51	1	35.64	1	181.3	1	30	1	12.57
MT080261	MT970026/MT981091	1	67.86	1	51.39	1	44.83	1	178.33	1	32.1	1	17.63
MT080274	MT970148/Conlon	1	71.12	1	52.36	1	47.38	1	179.64	1	29.99	1	12.86
MT080277	MT970148/Merit	1	65.88	1	50.48	1	40.65	1	180.31	1	28.38	1	14.3
MT080279	MT970148/MT970116	1	73.89	1	50.81	1	45.91	1	180.62	1	28.94	1	14.88
MT080281	MT970148/MT970116	1	66.15	1	50.27	1	46.55	1	180.91	1	27.35	1	12.71
MT080283	MT970148MT970116	1	70.63	1	50.35	1	46.35	1	179.93	1	27.89	1	13.44
MT080284	MT970148/MT970116	1	66.83	1	50.44	1	46.06	1	180.67	1	27.17	1	13.73
MT080285	MT970148/MT970116	1	62.48	1	49.62	1	42.96	1	183.94	1	25.58	1	12.71
PI643354	Pinnacle	1	63.94	1	50.27	1	48.27	1	179.62	1	28.93	1	13.58
SCARLETT	Scarlett	1	63.82	1	49.94	1	46.3	1	184.94	1	23.69	1	13.87
AVERAGE		9	56.21	9	49.8	8	59.1	9	180.94	8	28.38	9	14.87

ID	PEDIGREE	2001	2002	2003	2004	2005	2006	2007	2008	2010	# Yrs	Comp Ave
MT950186	Haxby	77.40	56.63	34.84	77.68	49.99	65.11	70.80	48.90	56.86	9	59.8
MT910189	Hockett	67.41	44.84	32.65	67.99	45.75	60.68	58.65	44.30	60.48	9	53.96
MT970116	Craft	69.94	48.63	33.00	71.85	45.95	61.55	75.36	54.70	56.70	9	57.67
PI568246	Baronesse	71.70	51.76	31.95	72.39	56.21	52.89	64.15	49.30	61.25	9	57.26
6B952482	Tradition	0.00	44.96	27.51	66.45	42.87	54.35	67.57	46.00	54.50	8	52.21
MT960101	Geraldine	65.97	48.22	24.16	0.00	53.27	56.88	60.34	45.40	55.02	8	52.96
SK 76333	Harrington	62.84	43.34	22.19	63.34	46.07	55.25	60.08	0.00	64.26	8	50.67
MT010158	Amsterdam	0.00	0.00	30.51	63.38	50.37	59.22	62.22	49.80	61.92	7	56.34
MT010160	MT920041/Harrington	0.00	0.00	24.23	68.91	47.75	58.58	71.00	47.50	66.27	7	56.19
2B965057	Conrad	0.00	0.00	0.00	65.63	47.83	57.65	63.54	47.40	63.11	6	56.45
MT020155	MT960225/H1851195	0.00	0.00	0.00	74.44	48.23	62.42	69.88	52.80	62.32	6	60.25
MT020162	MT960225/H1851195	0.00	0.00	0.00	80.21	52.70	64.05	57.85	49.90	64.01	6	60.14
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	67.73	54.21	62.67	62.61	45.00	63.33	6	58.18
MT020167	MT960225/H3860224	0.00	0.00	0.00	83.94	54.25	60.82	73.71	0.00	62.64	5	62.7
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	72.63	49.63	61.09	60.28	0.00	61.63	5	57.43
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	47.14	63.02	68.01	51.60	60.00	5	59.58
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	56.57	71.00	66.98	57.70	71.72	5	67.09
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	57.85	65.62	74.15	53.20	63.11	5	64.71
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	62.78	70.65	61.20	57.97	4	63.29
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	59.02	61.34	49.10	60.87	4	57.52
TR232	Metcalfe	0.00	0.00	0.00	66.63	0.00	59.61	58.27	0.00	67.53	4	56.57
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	63.51	56.30	65.98	3	63.96
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	66.64	63.90	63.67	3	67.13
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.20	58.87	2	59.21
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.10	59.57	2	60.13
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.30	58.03	2	57.6
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.40	62.91	2	60.84
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.62	1	62.7
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.01	1	62.06
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.30	1	66.57
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.96	1	68.32
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.12	1	62.18
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.47	1	61.49
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.30	1	59.21
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.97	1	66.23
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.13	1	70.6
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.34	1	71.87
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.04	1	68.4
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.12	1	62.18
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.21	1	65.43
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.75	1	61.79
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.33	1	67.66
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.56	1	67.9
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.69	1	61.73
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.54	1	63.67
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.18	1	47.52
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.48	1	52.04
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.09	1	62.15
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.94	1	46.21
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.90	1	70.36
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.65	1	44.86
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.34	1	68.72
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	1	56.79
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.45	1	63.58
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.52	1	67.86
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.62	1	71.12
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.64	1	65.88
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.26	1	73.89
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.90	1	66.15
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.16	1	70.63
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.54	1	66.83
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.41	1	62.48
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.80	1	63.94
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.68	1	63.82
AVERAGE		69.21	48.34	29.00	70.88	50.37	60.68	65.55	50.30	60.99	9	56.21

ID	PEDIGREE	2001	2002	2003	2004	2005	2006	2007	2008	2010	# Yrs	Comp Ave
MT950186	Haxby	50.92	52.00	46.70	51.80	53.15	54.27	55.48	50.30	53.58	9	52.02
MT910189	Hockett	47.04	49.97	43.27	48.45	52.00	52.86	54.54	48.10	53.80	9	49.96
MT970116	Klages/Baronesse	49.05	48.13	46.33	52.40	51.90	53.98	56.01	51.40	53.26	9	51.38
PI568246	Baronesse	45.93	49.93	41.27	46.95	47.15	52.88	51.98	47.50	51.48	9	48.3
6B952482	Tradition	0.00	50.73	39.60	48.85	47.70	53.46	52.80	49.00	50.53	8	48.89
MT960101	Manley/Baronesse	46.47	51.60	43.00	0.00	47.55	51.68	53.07	48.30	52.11	8	49.17
SK 76333	Harrington	44.77	49.77	41.40	45.90	47.50	49.91	51.51	0.00	51.61	8	47.56
MT010158	Amsterdam	0.00	0.00	43.10	49.10	49.35	51.84	52.64	47.80	51.58	7	49.17
MT010160	MT920041/Harrington	0.00	0.00	42.80	46.20	50.15	52.45	53.86	47.70	51.88	7	49.09
2B965057	Conrad	0.00	0.00	0.00	48.15	49.50	51.99	53.56	48.10	51.29	6	49.4
MT020155	MT960225/H1851195	0.00	0.00	0.00	50.30	50.10	52.20	53.85	47.40	52.80	6	50.06
MT020162	MT960225/H1851195	0.00	0.00	0.00	51.85	52.20	52.46	53.93	48.60	51.63	6	50.74
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	51.00	51.15	51.31	53.65	48.10	52.65	6	50.27
MT020167	MT960225/H3860224	0.00	0.00	0.00	52.30	50.55	52.03	55.07	0.00	53.36	5	51.06
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	49.45	50.90	53.88	54.19	0.00	52.84	5	50.65
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	50.50	52.75	55.19	49.90	53.63	5	51.08
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	51.95	55.13	55.62	51.90	53.65	5	52.32
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	52.25	54.79	55.76	50.50	52.49	5	51.83
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	54.87	54.87	50.50	53.21	4	51.98
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	53.20	54.56	49.40	52.07	4	50.95
TR232	Metcalfe	0.00	0.00	0.00	46.25	0.00	52.65	50.98	0.00	53.15	4	49.08
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	54.83	49.60	52.66	3	51.28
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	54.24	50.30	52.80	3	51.38
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.10	50.93	2	49.08
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.30	51.22	2	48.81
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.70	52.05	2	49.93
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	53.17	2	50.43
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.38	1	49.89
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.16	1	48.7
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.63	1	51.1
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.19	1	51.64
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.90	1	50.39
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.86	1	50.35
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.60	1	50.1
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.08	1	50.57
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	1	50.27
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.91	1	49.43
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.06	1	50.55
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.05	1	51.51
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.25	1	51.7
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.52	1	50.99
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.81	1	52.25
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	1	51.36
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.77	1	51.24
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.21	1	50.69
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.55	1	51.02
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.16	1	50.64
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.68	1	51.15
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.82	1	51.28
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.16	1	51.61
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.50	1	60.68
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.66	1	51.13
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.15	1	51.6
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.99	1	49.51
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.93	1	51.39
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.93	1	52.36
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.99	1	50.48
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.33	1	50.81
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	1	50.27
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.86	1	50.35
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.95	1	50.44
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.11	1	49.62
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.78	1	50.27
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.44	1	49.94
AVERAGE		47.36	50.30	43.05	49.26	50.31	52.89	54.01	48.83	52.49	9	49.8

ID	PEDIGREE	2001	2002	2004	2005	2006	2007	2008	2010	# Yrs	Comp Ave
MT950186	Haxby	35.22	64.70	25.00	61.00	33.35	37.00	9.40	90.60	8	44.53
MT910189	Hockett	19.81	60.10	70.50	54.80	30.58	57.40	20.70	91.60	8	60.63
MT970116	Craft	29.17	74.40	59.00	56.60	39.61	75.20	50.60	97.60	8	83.2
PI568246	Baronesse	19.82	76.80	29.20	44.30	36.39	42.50	12.20	95.70	8	45.86
6B952482	Tradition	0.00	34.10	57.10	24.30	32.09	52.80	29.10	89.80	7	61.62
MT960101	Geraldine	15.37	52.60	0.00	17.60	23.70	24.70	7.80	91.80	7	30.28
SK 76333	Harrington	25.83	64.40	61.90	55.40	30.36	48.30	0.00	91.10	7	53.02
2B965057	Conrad	0.00	0.00	35.30	44.90	42.79	55.00	37.60	98.50	6	74.26
MT010158	Amsterdam	0.00	0.00	53.10	70.70	27.25	48.10	35.70	91.40	6	75.76
MT010160	MT920041/Harrington	0.00	0.00	72.70	49.50	35.05	44.50	29.30	87.50	6	74.64
MT020155	MT960225/H1851195	0.00	0.00	22.00	48.60	41.88	55.00	25.90	93.30	6	60.89
MT020162	MT960225/H1851195	0.00	0.00	50.60	65.30	22.54	47.20	27.10	90.40	6	66.26
MT020204	MTLB 32/H1851195	0.00	0.00	11.60	53.80	25.41	33.80	9.30	92.40	6	37.34
MT020167	MT960225/H3860224	0.00	0.00	34.60	67.80	31.22	73.30	0.00	92.40	5	57.29
MT020205	MTLB 32/H1851195	0.00	0.00	68.40	50.10	33.49	46.00	0.00	96.40	5	61.18
MT030042	MT910189/MT960099	0.00	0.00	0.00	36.10	44.29	47.00	21.20	94.80	5	57.82
MT030063	MT950155/Harrington	0.00	0.00	0.00	61.40	64.09	78.40	59.50	97.50	5	110.92
MT030079	MT950186/MT960225	0.00	0.00	0.00	57.60	21.21	23.10	23.30	90.10	5	50.57
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	45.66	21.80	28.30	89.00	4	66.26
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	34.80	52.00	25.40	85.20	4	67.82
TR232	Metcalfe	0.00	0.00	39.80	0.00	51.81	34.80	0.00	91.70	4	56.76
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	61.70	35.90	94.90	3	97
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	55.00	50.40	96.70	3	117.5
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	8.60	90.30	2	42.56
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	12.60	92.10	2	52.48
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	51.90	97.00	2	146.78
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	21.40	96.30	2	74.36
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	1	45.12
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.70	1	46.06
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.10	1	43.8
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	1	46.94
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.10	1	45.76
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.50	1	46.45
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.30	1	47.34
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.10	1	28.07
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.40	1	45.42
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	1	45.62
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.40	1	43.94
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.40	1	42.47
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.30	1	45.86
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.90	1	45.66
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.30	1	44.88
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.30	1	47.83
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.90	1	48.12
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.20	1	45.81
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.90	1	47.14
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.40	1	48.37
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.90	1	48.12
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.00	1	48.17
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.10	1	45.27
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1	0.49
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.70	1	38.68
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	1	47.97
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.50	1	35.64
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.20	1	44.83
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.40	1	47.38
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.70	1	40.65
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.40	1	45.91
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.70	1	46.55
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.30	1	46.35
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.70	1	46.06
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.40	1	42.96
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.20	1	48.27
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.20	1	46.3
AVERAGE		24.20	61.01	46.05	51.10	35.60	48.46	27.53	90.66	8	59.1

ID	PEDIGREE	2001	2002	2003	2004	2005	2006	2007	2008	2010	# Yrs	Comp Ave
MT950186	Haxby	186.00	180.82	178.80	182.33	178.49	169.35	173.78	182.80	181.69	9	179.34
MT910189	Hockett	186.00	181.70	179.95	179.60	177.16	169.48	174.17	183.10	181.37	9	179.18
MT970116	Craft	187.00	181.08	178.86	180.93	176.82	168.17	173.66	183.00	180.63	9	178.9
PI568246	Baronesse	188.00	188.63	185.22	183.66	180.30	174.16	177.51	184.80	185.33	9	183.09
6B952482	Tradition	0.00	182.31	181.43	181.14	177.11	168.18	173.97	182.80	180.37	8	179.24
MT960101	Geraldine	190.00	189.13	188.75	0.00	181.41	175.15	181.24	188.40	187.39	8	185.59
SK 76333	Harrington	188.00	184.02	183.20	184.00	180.28	172.78	178.43	0.00	184.26	8	182.33
MT010158	Amsterdam	0.00	0.00	183.09	182.33	179.63	169.87	176.30	183.90	181.61	7	180.71
MT010160	MT920041/Harrington	0.00	0.00	182.09	183.15	180.03	171.67	177.80	183.70	182.34	7	181.31
2B965057	Conrad	0.00	0.00	0.00	183.33	180.32	173.03	177.28	185.80	183.66	6	181.88
MT020155	MT960225/H1851195	0.00	0.00	0.00	177.00	174.38	165.11	170.98	180.50	179.99	6	175.89
MT020162	MT960225/H1851195	0.00	0.00	0.00	182.34	180.27	172.93	177.76	185.10	184.36	6	181.77
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	180.66	177.01	169.57	172.57	182.30	180.66	6	178.4
MT020167	MT960225/H3860224	0.00	0.00	0.00	181.33	178.27	172.85	174.61	0.00	182.32	5	180.14
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	180.67	177.40	169.22	174.03	0.00	180.98	5	178.68
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	177.70	169.92	174.58	183.70	182.70	5	179.84
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	179.72	171.97	177.00	184.00	181.60	5	181.02
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	179.03	171.91	174.44	183.30	181.69	5	180.23
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	171.44	175.26	183.60	183.71	4	180.97
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	173.50	176.23	184.90	184.36	4	182.24
TR232	Metcalfe	0.00	0.00	0.00	183.33	0.00	169.39	175.62	0.00	181.62	4	180.05
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	175.53	183.50	183.71	3	180.84
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	178.24	183.90	183.96	3	181.98
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.50	183.68	2	181.65
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.70	185.32	2	182.06
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.40	183.06	2	180.31
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.60	184.32	2	182.01
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.70	1	182.31
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.62	1	187.17
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.69	1	184.28
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.65	1	187.2
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.65	1	185.22
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.96	1	179.61
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.36	1	185.92
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.95	1	180.58
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.34	1	180.97
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.66	1	180.3
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.05	1	180.68
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.07	1	180.7
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.00	1	180.63
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.66	1	180.3
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.67	1	179.32
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.30	1	178.96
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.66	1	183.26
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.66	1	182.27
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.38	1	182.98
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.30	1	183.89
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184.99	1	182.6
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.34	1	183.93
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.70	1	183.3
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.36	1	180.99
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.68	1	179.33
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.99	1	179.64
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.68	1	181.3
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.67	1	178.33
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.99	1	179.64
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.67	1	180.31
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.99	1	180.62
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.28	1	180.91
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182.29	1	179.93
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.04	1	180.67
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.35	1	183.94
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.97	1	179.62
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.36	1	184.94
AVERAGE		187.50	183.96	182.38	181.72	178.63	170.94	175.70	184.01	183.62	9	180.94

ID	PEDIGREE	2001	2002	2003	2005	2006	2007	2008	2010	# Yrs	Comp Ave
MT950186	Haxby	30.68	24.74	25.19	32.18	30.32	38.72	24.50	26.14	8	29.06
MT910189	Hockett	28.90	24.08	26.94	31.91	29.61	37.85	23.60	27.60	8	28.88
MT960101	Geraldine	27.51	21.90	21.40	29.36	30.04	35.44	21.90	23.81	8	26.35
MT970116	Craft	32.40	25.89	26.64	35.89	30.96	40.39	25.30	30.89	8	31.07
PI568246	Baronesse	29.09	23.43	23.17	29.59	27.03	36.60	23.70	23.67	8	27.04
6B952482	Tradition	0.00	24.58	25.19	29.56	32.41	40.13	26.50	30.54	7	30.17
SK 76333	Harrington	30.41	22.65	23.51	28.51	27.93	36.83	0.00	28.50	7	27.77
MT010158	Amsterdam	0.00	0.00	23.72	29.68	28.95	37.57	23.30	27.83	6	28.11
MT010160	MT920041/Harrington	0.00	0.00	24.93	30.83	31.99	38.68	25.00	28.46	6	29.6
2B965057	Conrad	0.00	0.00	0.00	29.48	27.69	35.55	21.30	24.80	5	26.53
MT020155	MT960225/H1851195	0.00	0.00	0.00	33.10	29.67	38.23	26.10	28.49	5	29.93
MT020162	MT960225/H1851195	0.00	0.00	0.00	32.66	32.88	36.98	23.20	26.51	5	29.15
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	31.21	30.31	39.97	23.10	27.09	5	28.95
MT030042	MT910189/MT960099	0.00	0.00	0.00	19.67	29.78	36.88	23.30	26.14	5	26.14
MT030063	MT950155/Harrington	0.00	0.00	0.00	31.94	35.68	39.90	26.00	29.36	5	31.29
MT030079	MT950186/MT960225	0.00	0.00	0.00	30.45	28.95	36.67	23.40	27.07	5	28.12
MT020167	MT960225/H3860224	0.00	0.00	0.00	32.42	30.69	37.91	0.00	27.12	4	29.32
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	34.98	32.38	37.34	0.00	28.28	4	30.52
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	27.83	34.68	25.30	25.46	4	27.75
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	28.60	35.69	23.90	24.86	4	27.54
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	36.79	24.10	27.47	3	28.91
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	39.03	27.70	29.47	3	31.64
TR232	Metcalfe	0.00	0.00	0.00	0.00	31.62	36.44	0.00	29.53	3	30.16
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	23.50	23.34	2	26.91
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	23.50	25.19	2	27.94
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	21.70	27.70	2	28.27
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	21.00	24.56	2	26.1
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.49	1	31.67
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.79	1	24.22
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.39	1	26
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.89	1	24.33
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.19	1	26.89
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.69	1	34.12
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.51	1	21.69
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.92	1	28.81
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.05	1	32.29
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.67	1	28.54
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.40	1	28.24
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.59	1	28.45
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.40	1	27.12
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.77	1	26.42
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.73	1	27.49
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.14	1	32.39
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.06	1	25.63
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.55	1	30.63
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.81	1	26.47
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.92	1	25.48
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.84	1	27.61
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.45	1	26.07
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.10	1	29.01
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.12	1	34.59
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.68	1	32.99
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.13	1	31.27
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.99	1	30
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.88	1	32.1
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.98	1	29.99
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.53	1	28.38
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.03	1	28.94
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.60	1	27.35
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.09	1	27.89
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.44	1	27.17
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.01	1	25.58
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.02	1	28.93
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.31	1	23.69
AVERAGE		29.83	23.90	24.52	30.75	30.25	37.58	23.95	26.14	8	28.38

ID	PEDIGREE	2001	2002	2003	2004	2005	2006	2007	2008	2010	# Yrs	Comp Ave
BASE AVE		17.00	14.93	18.40	15.60	14.90	11.30	9.80	13.30	9.60	9	13.87
MT910189	Hockett	17.90	14.47	19.10	16.50	14.00	11.72	13.60	13.70	9.60	9	14.66
MT950186	Haxby	17.00	14.93	18.40	15.60	14.90	11.30	9.80	13.30	9.60	9	13.87
MT970116	Craft	17.20	14.85	18.90	15.10	15.90	11.66	12.70	14.10	11.00	9	14.8
PI568246	Baronesse	15.30	14.96	20.30	18.10	14.70	11.10	13.60	15.40	10.50	9	15.06
6B952482	Tradition	0.00	14.48	19.80	12.70	16.50	11.02	13.00	13.60	9.90	8	14.43
MT960101	Geraldine	16.50	14.15	20.70	0.00	17.20	11.14	14.60	15.50	9.30	8	15.27
SK 76333	Harrington	17.80	14.53	21.50	18.00	16.10	11.99	13.50	0.00	9.10	8	15.27
MT010158	Amsterdam	0.00	0.00	20.40	16.40	15.70	12.17	13.10	15.50	12.00	7	15.94
MT010160	MT920041/Harrington	0.00	0.00	20.40	17.40	16.10	11.47	13.20	14.40	10.00	7	15.44
2B965057	Conrad	0.00	0.00	0.00	16.80	16.50	11.46	13.80	15.20	11.40	6	16.04
MT020155	MT960225/H1851195	0.00	0.00	0.00	16.70	15.10	11.46	12.50	14.10	10.80	6	15.16
MT020162	MT960225/H1851195	0.00	0.00	0.00	15.80	15.70	12.42	14.50	15.00	9.20	6	15.56
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	15.50	16.00	12.50	12.80	14.70	8.60	6	14.98
MT020167	MT960225/H3860224	0.00	0.00	0.00	15.50	15.90	12.57	13.70	0.00	9.80	5	15.51
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	19.20	17.40	11.27	14.00	0.00	12.10	5	16.88
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	16.00	11.05	12.00	13.60	10.80	5	15.05
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	14.40	11.26	12.90	13.70	11.90	5	15.39
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	14.20	12.13	11.70	12.90	8.90	5	14.2
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	10.89	11.40	14.00	9.60	4	14.49
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	11.74	14.10	13.80	9.40	4	15.58
TR232	Metcalfe	0.00	0.00	0.00	17.30	0.00	11.41	13.80	0.00	10.50	4	16.02
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	9.90	13.00	9.60	3	13.81
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	12.80	13.40	10.20	3	15.61
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	8.70	2	14.63
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.60	11.30	2	16.3
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.80	9.90	2	14.35
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.60	9.70	2	15.14
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	1	13
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	1	13
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	1	14.16
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	1	14.16
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	1	14.88
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	1	13.87
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	1	14.74
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	1	13.29
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.60	1	15.31
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	1	13.29
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50	1	13.73
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	1	12.71
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	1	14.88
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	1	13.87
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.10	1	13.15
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	1	13.58
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	1	18.78
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.70	1	12.57
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	17.19
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.30	1	16.33
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.10	1	18.93
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60	1	18.2
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	1	16.47
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.30	1	17.77
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	1	17.19
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	1	15.03
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.70	1	12.57
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.20	1	17.63
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.90	1	12.86
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.90	1	14.3
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	1	14.88
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	1	12.71
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	1	13.44
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50	1	13.73
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	1	12.71
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	1	13.58
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	1	13.87
AVERAGE		16.95	14.62	19.94	16.44	15.68	11.61	12.91	14.34	10.14	9	14.87

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/bu)	# Yrs	Plump (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)	# Yrs	Protein (%)
MT950186	Haxby	11	61.28	10	51.73	11	63.62	10	154.37	11	26.82	11	13.49
MT910189	Hockett	11	61.25	10	50.24	11	74.16	10	150.09	11	26.73	11	13.5
MT970116	Craft	11	60.67	10	50.72	11	72.19	10	149.48	11	28.94	11	13.88
PI568246	Baronesse	11	64.76	10	48.75	11	56.97	10	155.97	11	24.92	11	14.39
MT960101	Geraldine	10	60.18	9	47.82	10	49.31	9	177.88	10	24.8	10	13.29
SK 76333	Harrington	10	50.68	9	48.19	10	69.72	9	156.25	10	25.95	10	13.91
6B952482	Tradition	9	56.11	9	48.2	9	68.57	8	144.85	9	27.85	9	13.73
MT010158	Amsterdam	8	58.05	8	50.07	8	79.9	8	152.4	8	25.71	8	14.69
MT010160	MT920041/Harrington	8	61.91	8	49.61	8	71.47	8	154.45	8	27.83	8	13.93
2B965057	Conrad	7	64.95	7	49.18	7	69.73	7	157.18	7	25.46	7	14.56
MT020155	MT960225/H1851195	7	65.62	7	49.4	7	65.65	7	139.24	7	28.38	7	13.25
MT020162	MT960225/H1851195	7	62.03	7	50.17	7	67.97	7	163.33	7	27.53	7	14.06
MT020204	MTLB 32/H1851195	7	62.27	7	50.31	7	65	7	168.23	7	26.82	7	13.85
MT020167	MT960225/H3860224	6	60.59	6	50.56	6	74.84	6	146.98	6	27.37	6	14.18
MT020205	MTLB 32/H1851195	6	61.75	6	49.94	6	67.68	6	151.37	6	27.39	6	13.74
MT030042	MT910189/MT960099	6	63.81	6	51.09	6	61.82	6	157.45	6	25.95	6	12.97
MT030063	MT950155/Harrington	6	62.37	6	50.8	6	68.22	6	152.2	6	28.26	6	13.6
MT030079	MT950186/MT960225	6	62	6	51.13	6	56.99	6	156.26	6	26.14	6	13.64
MT040073	MT960045/Harrington	5	61.83	5	50.63	5	62.81	5	160.33	5	26.43	5	13.86
MT040209	MT960228/MT950186	5	68.09	5	50.31	5	62.69	5	162.45	5	25.84	5	13.58
MT050030	GS 1750/Bearpaw	4	71.36	4	49.47	4	62.99	4	156.25	4	26.18	4	13.32
MT050062	Harrington/MT960225	4	60.46	4	50.85	4	65.08	4	156.18	4	27.27	4	12.42
TR232	Metcalfe	4	56.15	4	49.73	4	64.96	4	153.93	4	26.04	4	14.29
MT061032	Baronesse/MT981210	3	75.75	3	49.11	3	57.96	3	157.18	3	24.64	3	13.28
MT061035	Baronesse/MT981210	3	75.04	3	48.55	3	57.51	3	156.12	3	25.26	3	12.97
MT061104	Harrington/MT970229	3	60.75	3	50.75	3	67.37	3	154.31	3	27.06	3	13.82
MT061169	MT960101/Coors 37	3	70.52	3	50.25	3	62.45	3	156.39	3	24.99	3	13.35
MT070063	MT010178/MT970116	2	62.69	2	51.68	2	65.18	2	153.63	2	27.91	2	12.73
MT070086	MT970148/Coors37	2	62.26	2	48.71	2	57.9	2	157.92	2	20.22	2	12.53
MT070111	MT010178/Harrington	2	69.09	2	50.53	2	62.3	2	156.21	2	25.58	2	12.81
MT070125	MT981210/MT970116	2	74.25	2	51.17	2	64.84	2	157.13	2	27.5	2	13.02
MT070148	MT990172/Metcalfe	2	66.62	2	50.92	2	65.99	2	155.62	2	25.64	2	13.46
MT070156	MT970148/Klages	2	71.89	2	50.37	2	64.14	2	156.68	2	24.99	2	12.99
MT070157	MT970148/Klages	2	71.86	2	51.14	2	65.21	2	156.82	2	24.82	2	13.08
MT070158	MT970148/Klages	2	62.9	2	50.58	2	65.07	2	157.75	2	23.73	2	12.9
MT070159	MT970148/Klages	2	74.06	2	50.57	2	64.87	2	155.01	2	24.34	2	13.11
MT070161	MT970148/Klages	2	71.55	2	50.71	2	65.46	2	156.2	2	24.63	2	13.27
MT070175	LK644///Hockett F5	2	71.37	2	49.96	2	63.23	2	155.14	2	27.36	2	12.93
COPELAND	Copeland	1	64.6	1	49.36	1	65.34	1	154.98	1	28.01	1	12.78
EM090117	03013-25	1	61.04	1	48.77	1	58.62	1	159.06	1	22.12	1	13.25
EM090128	03021-03	1	62.03	1	48.33	1	44.25	1	159.29	1	21.29	1	13.11
EM090130	03021-35	1	59.57	1	49.9	1	56.22	1	160.28	1	21.02	1	13.51
EM090134	03021-74	1	51.31	1	47.38	1	55.45	1	160.52	1	22.77	1	13.14
MT080001	Amulet/Metcalfe	1	55.32	1	49.14	1	63.04	1	155.34	1	20.15	1	12.8
MT080017	Amulet/MT960101	1	69.1	1	51.03	1	65.99	1	156.51	1	27.28	1	13.18
MT080077	Coors/Kendall	1	58.67	1	48.94	1	58.29	1	158.04	1	22.57	1	13.02
MT080081	Coors/Metcalfe	1	59.99	1	48.58	1	57.39	1	158.4	1	22.62	1	13.02
MT080083	Coors/Metcalfe	1	63.07	1	48.99	1	59.71	1	158.74	1	22.17	1	13.05
MT080084	Coors/Metcalfe	1	61.28	1	48.22	1	56.08	1	157.8	1	22.6	1	13.31
MT080085	Coors/Metcalfe	1	65.86	1	51.67	1	60.28	1	158.37	1	24.06	1	13.03
MT080100	Karma	1	28.95	1	58.74	1	54.64	1	155.89	1	28.33	1	19.62
MT080172	Klages/Stratus	1	64.42	1	48.67	1	55.76	1	155.31	1	27.58	1	13.71
MT080179	Metcalfe/MT990106	1	59.18	1	51.05	1	65.81	1	152.82	1	27.8	1	13.67
MT080243	MT960101/MT981210	1	63.07	1	50.18	1	58.85	1	156.21	1	26.89	1	12.68
MT080261	MT970026/MT981091	1	53.84	1	51.36	1	61.72	1	153.16	1	25.25	1	13.42
MT080274	MT970148/Conlon	1	73.65	1	50.59	1	66.93	1	154.05	1	24.65	1	12.58
MT080277	MT970148/Merit	1	65.32	1	49.97	1	60.95	1	158.96	1	23.6	1	13.15
MT080279	MT970148/MT970116	1	67.28	1	50	1	62.16	1	158.4	1	23.98	1	12.22
MT080281	MT970148/MT970116	1	67.06	1	49.83	1	63.54	1	158.03	1	23.09	1	12.26
MT080283	MT970148MT970116	1	69.3	1	50.16	1	62.97	1	154.42	1	23.71	1	12.59
MT080284	MT970148/MT970116	1	72.74	1	50.36	1	62.78	1	155.92	1	24.22	1	12.51
MT080285	MT970148/MT970116	1	76.5	1	49.72	1	63.31	1	156.26	1	22.88	1	12.56
PI643354	Pinnacle	1	63.41	1	50.38	1	65.97	1	153.46	1	26.99	1	12.22
SCARLETT	Scarlett	1	56.74	1	49.36	1	61.67	1	159	1	21.38	1	13.63
AVERAGE		11	60.74	10	49.71	11	66.99	10	155.25	11	26.43	11	13.7

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	32.95	47.21	26.61	61.64	53.26	75.21	62.61	93.50	75.84	58.40	86.85	11	61.28
MT910189	Hockett	48.75	33.74	23.83	60.25	46.23	70.85	55.43	90.60	82.54	67.60	88.34	11	61.25
MT970116	Craft	32.51	35.38	29.42	63.12	51.05	69.45	55.78	84.10	85.23	73.04	84.95	11	60.67
PI568246	Baronesse	34.41	48.18	23.08	61.67	48.02	65.27	67.34	96.10	90.62	84.11	102.77	11	64.76
MT960101	Geraldine	63.19	44.02	9.59	50.30	0.00	59.58	60.55	82.70	73.41	62.98	95.82	10	60.18
SK 76333	Harrington	35.26	39.30	11.56	53.47	37.16	62.27	52.41	80.70	0.00	52.05	82.45	10	50.68
6B952482	Tradition	0.00	0.00	23.93	52.39	45.21	67.93	60.88	77.30	66.37	61.18	88.42	9	56.11
MT010158	Amsterdam	0.00	0.00	0.00	53.63	40.70	70.86	61.76	81.60	69.61	70.82	87.92	8	58.05
MT010160	MT920041/Harrington	0.00	0.00	0.00	62.52	44.94	65.96	62.23	83.70	85.38	76.04	89.44	8	61.91
2B965057	Conrad	0.00	0.00	0.00	0.00	49.43	67.99	64.41	91.90	89.68	81.60	86.53	7	64.95
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	57.19	75.90	67.94	86.20	84.44	68.41	97.32	7	65.62
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	45.30	82.95	60.23	87.70	85.31	66.78	83.70	7	62.03
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	53.51	73.08	64.86	86.00	84.78	64.34	83.49	7	62.27
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	50.01	71.81	61.26	80.50	0.00	65.29	93.90	6	60.59
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	55.93	70.85	69.15	83.30	0.00	63.90	83.75	6	61.75
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	65.62	62.43	84.30	97.42	63.22	96.38	6	63.81
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	73.61	63.64	81.40	86.34	61.96	90.45	6	62.37
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	76.03	64.44	80.40	87.05	58.33	88.90	6	62
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	62.70	84.20	84.27	62.11	84.10	5	61.83
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	58.63	100.00	85.86	78.96	92.54	5	68.09
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.80	90.76	84.39	98.20	4	71.36
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.90	82.55	51.49	87.19	4	60.46
TR232	Metcalfe	0.00	0.00	0.00	0.00	40.53	0.00	0.00	84.20	0.00	58.26	87.35	4	56.15
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.18	72.08	109.30	3	75.75
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.89	77.68	101.72	3	75.04
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.04	52.86	88.01	3	60.75
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.08	74.49	88.20	3	70.52
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.92	85.61	2	62.69
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.66	84.79	2	62.26
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.27	88.36	2	69.09
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.69	91.94	2	74.25
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.29	90.24	2	66.62
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.40	96.11	2	71.89
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.86	102.77	2	71.86
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.96	93.59	2	62.9
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.74	94.31	2	74.06
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.19	90.98	2	71.55
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.35	82.82	2	71.37
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.56	1	64.6
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.51	1	61.04
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.91	1	62.03
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.43	1	59.57
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.72	1	51.31
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.40	1	55.32
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.93	1	69.1
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.15	1	58.67
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.02	1	59.99
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.38	1	63.07
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.85	1	61.28
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.34	1	65.86
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.03	1	28.95
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.30	1	64.42
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.88	1	59.18
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.39	1	63.07
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.30	1	53.84
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.38	1	73.65
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.58	1	65.32
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.35	1	67.28
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.04	1	67.06
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.21	1	69.3
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.09	1	72.74
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.42	1	76.5
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.87	1	63.41
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.42	1	56.74
AVERAGE		41.18	41.31	21.15	57.67	47.90	70.29	61.93	85.83	84.20	68.02	89.62	11	60.74

ID	PEDIGREE	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	52.03	43.00	53.90	54.02	48.89	53.80	54.40	53.59	51.58	52.06	10	51.73
MT910189	Hockett	52.15	39.30	53.15	53.66	46.69	49.45	52.50	52.85	51.14	52.01	10	50.24
MT970116	Craft	52.54	40.80	52.78	54.74	47.14	50.71	53.00	52.87	50.82	52.10	10	50.72
PI568246	Baronesse	50.78	37.80	51.24	53.80	43.62	48.89	52.60	48.61	50.97	49.93	10	48.75
6B952482	Tradition	0.00	37.80	51.44	50.27	44.53	50.03	50.50	50.94	50.15	48.47	9	48.2
MT960101	Geraldine	50.60	38.90	50.36	0.00	43.95	46.92	50.10	46.28	50.18	51.04	9	47.82
SK 76333	Harrington	51.53	37.40	51.06	51.84	43.34	47.34	50.40	0.00	48.89	50.89	9	48.19
MT010158	Amsterdam	0.00	0.00	52.70	52.56	47.67	49.48	52.60	51.93	50.53	51.13	8	50.07
MT010160	MT920041/Harrington	0.00	0.00	51.66	52.43	44.75	49.56	52.90	50.99	51.08	51.71	8	49.61
2B965057	Conrad	0.00	0.00	0.00	52.87	44.50	47.90	52.70	50.87	50.48	51.01	7	49.18
MT020155	MT960225/H1851195	0.00	0.00	0.00	51.40	47.55	49.71	51.80	50.82	50.02	50.31	7	49.4
MT020162	MT960225/H1851195	0.00	0.00	0.00	54.03	48.75	48.60	51.80	52.01	50.71	51.19	7	50.17
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	53.83	47.37	48.91	53.30	51.48	51.41	51.89	7	50.31
MT020167	MT960225/H3860224	0.00	0.00	0.00	54.70	47.91	49.82	52.20	0.00	51.17	51.77	6	50.56
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	53.90	45.76	49.61	52.70	0.00	50.35	51.66	6	49.94
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	48.26	50.72	53.70	53.36	51.55	52.76	6	51.09
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	48.98	50.61	53.20	53.34	50.99	51.42	6	50.8
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	48.66	51.29	53.80	53.43	51.60	51.81	6	51.13
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	50.55	53.10	52.90	51.45	51.75	5	50.63
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	50.31	52.60	51.63	51.16	52.38	5	50.31
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	52.00	50.09	50.05	50.20	4	49.47
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	52.40	52.22	51.23	52.13	4	50.85
TR232	Metcalfe	0.00	0.00	0.00	53.47	0.00	0.00	50.80	0.00	49.62	49.97	4	49.73
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.13	50.59	49.48	3	49.11
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.70	50.22	49.56	3	48.55
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.56	50.75	51.93	3	50.75
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.81	50.44	51.46	3	50.25
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.70	51.85	2	51.68
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.20	48.39	2	48.71
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.40	50.85	2	50.53
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.58	51.95	2	51.17
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.96	51.07	2	50.92
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.05	50.87	2	50.37
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.17	51.30	2	51.14
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.49	50.86	2	50.58
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.67	50.64	2	50.57
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.62	50.98	2	50.71
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.06	50.04	2	49.96
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.68	1	49.36
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.08	1	48.77
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.64	1	48.33
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.22	1	49.9
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.69	1	47.38
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.46	1	49.14
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.36	1	51.03
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.26	1	48.94
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.89	1	48.58
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.31	1	48.99
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.53	1	48.22
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	1	51.67
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.12	1	58.74
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.98	1	48.67
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.38	1	51.05
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	1	50.18
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.69	1	51.36
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.92	1	50.59
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.29	1	49.97
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.32	1	50
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.15	1	49.83
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.48	1	50.16
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.68	1	50.36
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.04	1	49.72
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.70	1	50.38
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.68	1	49.36
AVERAGE		51.60	39.29	52.03	53.17	46.57	49.71	52.40	51.28	50.66	50.78	10	49.71

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	70.39	91.66	0.90	31.72	92.47	40.72	25.29	79.90	82.63	93.21	90.97	11	63.62
MT910189	Hockett	92.87	95.71	0.37	76.87	96.50	50.68	25.39	89.00	94.26	96.60	94.59	11	74.16
MT970116	Craft	89.63	96.22	0.73	60.61	97.37	44.17	26.73	88.20	89.57	95.60	93.46	11	72.19
PI568246	Baronesse	73.39	91.00	0.20	40.36	95.33	21.47	24.03	84.00	64.73	96.03	86.08	11	56.97
MT960101	Geraldine	73.90	83.78	0.53	17.60	0.00	26.82	24.12	55.40	37.90	89.93	83.16	10	49.31
SK 76333	Harrington	80.37	94.47	0.93	55.61	81.57	45.52	23.54	86.50	0.00	91.13	91.77	10	69.72
6B952482	Tradition	0.00	0.00	0.97	58.50	88.13	22.89	29.91	88.00	79.30	96.46	89.51	9	68.57
MT010158	Amsterdam	0.00	0.00	0.00	56.48	89.07	83.05	25.01	91.90	89.13	95.12	93.28	8	79.9
MT010160	MT920041/Harrington	0.00	0.00	0.00	52.65	87.33	47.05	28.01	86.20	83.35	94.87	92.22	8	71.47
2B965057	Conrad	0.00	0.00	0.00	0.00	92.30	56.96	24.07	93.60	89.84	95.99	94.14	7	69.73
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	81.73	50.13	26.42	85.70	82.16	94.35	89.54	7	65.65
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	96.97	60.13	24.57	78.50	82.49	94.06	90.24	7	67.97
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	87.77	47.83	25.81	86.20	74.99	94.94	91.18	7	65
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	96.73	74.74	25.71	87.50	0.00	95.21	94.91	6	74.84
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	94.30	49.16	25.70	88.60	0.00	95.34	91.62	6	67.68
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	39.35	23.52	80.60	81.23	89.64	89.14	6	61.82
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	47.32	27.31	83.40	90.58	95.78	93.13	6	68.22
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	21.14	24.41	82.20	75.79	93.22	85.90	6	56.99
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	26.16	82.00	77.89	89.36	88.63	5	62.81
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	27.11	80.10	74.71	94.77	84.74	5	62.69
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.50	76.91	94.42	88.38	4	62.99
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.40	85.16	96.11	90.86	4	65.08
TR232	Metcalfe	0.00	0.00	0.00	0.00	95.13	0.00	0.00	85.30	0.00	92.12	90.91	4	64.96
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.84	95.23	77.70	3	57.96
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.33	95.06	81.97	3	57.51
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.88	96.30	94.95	3	67.37
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.09	90.88	91.01	3	62.45
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.33	92.38	2	65.18
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.01	75.78	2	57.9
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.21	90.12	2	62.3
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.28	92.43	2	64.84
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.83	94.21	2	65.99
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.25	91.43	2	64.14
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.47	93.30	2	65.21
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.28	94.05	2	65.07
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	92.29	2	64.87
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.21	95.24	2	65.46
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.50	87.61	2	63.23
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.43	1	65.34
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.82	1	58.62
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.27	1	44.25
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.39	1	56.22
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.29	1	55.45
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.13	1	63.04
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.36	1	65.99
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.34	1	58.29
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.06	1	57.39
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.38	1	59.71
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.19	1	56.08
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.19	1	60.28
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.13	1	54.64
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.73	1	55.76
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.10	1	65.81
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.15	1	58.85
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.25	1	61.72
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.70	1	66.93
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.15	1	60.95
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.88	1	62.16
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.85	1	63.54
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.03	1	62.97
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.77	1	62.78
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.52	1	63.31
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.33	1	65.97
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.17	1	61.67
AVERAGE		80.09	92.14	0.66	50.04	91.51	46.06	25.64	83.86	79.12	94.25	88.51	11	66.99

ID	PEDIGREE	2000	2001	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	166.98	167.33	178.34	175.17	172.11	13.71	162.40	172.33	168.30	166.99	10	154.37
MT910189	Hockett	165.84	166.33	179.00	176.10	173.24	9.90	163.90	170.71	169.67	165.33	10	150.09
MT970116	Craft	168.71	160.67	176.97	172.70	171.98	10.43	162.80	170.67	167.30	165.00	10	149.48
PI568246	Baronesse	169.00	167.67	179.71	180.60	181.10	12.55	167.40	173.41	172.35	170.67	10	155.97
MT960101	Geraldine	170.63	168.67	180.31	0.00	182.95	29.51	170.20	174.11	173.43	171.32	9	177.88
SK 76333	Harrington	167.72	166.67	178.95	171.32	174.90	14.50	165.40	0.00	171.98	169.29	9	156.25
6B952482	Tradition	0.00	0.00	165.36	170.15	170.13	9.03	160.20	169.69	167.66	165.96	8	144.85
MT010158	Amsterdam	0.00	0.00	178.94	174.12	174.57	11.68	163.50	172.26	171.32	168.70	8	152.4
MT010160	MT920041/Harrington	0.00	0.00	177.72	172.69	173.32	13.31	166.00	172.03	170.66	168.65	8	154.45
2B965057	Conrad	0.00	0.00	0.00	179.76	181.65	13.51	167.10	173.33	171.30	168.36	7	157.18
MT020155	MT960225/H1851195	0.00	0.00	0.00	168.78	168.90	5.72	160.80	169.41	164.73	166.98	7	139.24
MT020162	MT960225/H1851195	0.00	0.00	0.00	174.09	174.29	18.28	166.60	172.79	171.35	170.35	7	163.33
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	175.68	170.56	22.83	162.00	170.31	167.61	165.00	7	168.23
MT020167	MT960225/H3860224	0.00	0.00	0.00	179.01	179.49	8.28	167.50	0.00	169.06	168.38	6	146.98
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	175.69	172.57	12.10	162.30	0.00	167.99	166.65	6	151.37
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	174.85	14.65	166.20	172.27	169.05	168.30	6	157.45
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	179.38	11.02	167.30	173.21	170.69	170.35	6	152.2
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	173.69	14.11	166.20	171.97	169.28	168.34	6	156.26
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	16.12	165.10	172.35	169.33	166.05	5	160.33
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	16.16	166.50	173.71	172.33	171.32	5	162.45
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	167.40	172.68	171.30	166.67	4	156.25
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	167.10	172.99	171.36	166.34	4	156.18
TR232	Metcalfe	0.00	0.00	0.00	173.88	0.00	0.00	162.40	0.00	166.97	167.65	4	153.93
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.56	172.61	169.67	3	157.18
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.99	171.40	168.98	3	156.12
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.05	168.68	167.68	3	154.31
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.93	171.02	170.29	3	156.39
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.00	166.68	2	153.63
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.33	168.69	2	157.92
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.62	169.66	2	156.21
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.30	170.00	2	157.13
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.35	168.67	2	155.62
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.63	169.68	2	156.68
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.30	170.32	2	156.82
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.00	170.65	2	157.75
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.04	166.65	2	155.01
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.94	169.33	2	156.2
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.00	167.96	2	155.14
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.65	1	154.98
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.07	1	159.06
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.32	1	159.29
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.39	1	160.28
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.65	1	160.52
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.04	1	155.34
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.31	1	156.51
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.96	1	158.04
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.35	1	158.4
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.72	1	158.74
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.70	1	157.8
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.32	1	158.37
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.64	1	155.89
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.01	1	155.31
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.32	1	152.82
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.98	1	156.21
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.68	1	153.16
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.65	1	154.05
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.96	1	158.96
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.35	1	158.4
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.95	1	158.03
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.05	1	154.42
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.67	1	155.92
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.04	1	156.26
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.01	1	153.46
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.00	1	159
AVERAGE		168.15	166.22	177.26	174.65	174.98	13.87	165.06	172.25	170.06	168.91	10	155.25

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	27.04	18.92	22.04	27.40	19.58	36.35	8.08	31.50	34.98	32.46	36.72	11	26.82
MT910189	Hockett	29.08	17.90	22.30	25.91	17.09	38.40	8.71	31.00	34.83	32.83	36.09	11	26.73
MT970116	Craft	29.17	19.53	25.55	29.83	21.74	41.74	8.23	33.00	37.38	34.78	38.30	11	28.94
PI568246	Baronesse	23.40	16.99	20.68	23.43	15.60	35.05	8.29	32.50	34.11	29.78	34.91	11	24.92
MT960101	Geraldine	24.74	16.98	21.33	22.14	0.00	32.14	8.43	31.20	30.79	29.30	35.13	10	24.8
SK 76333	Harrington	24.95	19.01	21.10	25.78	18.37	32.86	8.56	32.90	0.00	31.40	34.36	10	25.95
6B952482	Tradition	0.00	0.00	21.72	29.48	19.68	40.63	8.01	33.30	35.14	34.97	37.85	9	27.85
MT010158	Amsterdam	0.00	0.00	0.00	23.68	17.49	37.34	8.33	30.20	34.74	31.78	33.85	8	25.71
MT010160	MT920041/Harrington	0.00	0.00	0.00	27.49	20.04	37.10	8.57	34.10	35.66	34.17	38.04	8	27.83
2B965057	Conrad	0.00	0.00	0.00	0.00	17.70	34.73	8.38	28.90	34.62	29.79	33.92	7	25.46
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	19.42	41.42	8.80	32.50	37.47	33.71	38.32	7	28.38
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	21.96	37.76	8.31	32.60	35.38	32.20	35.17	7	27.53
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	17.96	38.74	8.30	30.70	37.45	31.78	35.38	7	26.82
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	20.94	39.40	8.46	30.00	0.00	31.15	37.07	6	27.37
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	18.24	38.77	8.35	32.30	0.00	33.94	37.63	6	27.39
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	36.87	8.66	29.80	35.06	28.31	32.99	6	25.95
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	39.32	8.47	33.90	36.53	34.34	37.19	6	28.26
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	36.59	8.28	29.70	34.43	29.77	35.66	6	26.14
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	8.35	30.60	34.48	30.97	36.07	5	26.43
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	8.53	30.10	32.49	29.73	35.28	5	25.84
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.10	35.14	31.00	36.32	4	26.18
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.80	34.95	31.06	38.11	4	27.27
TR232	Metcalfe	0.00	0.00	0.00	0.00	18.74	0.00	0.00	32.80	0.00	30.11	35.12	4	26.04
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.93	28.48	33.34	3	24.64
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.45	29.72	33.95	3	25.26
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.04	31.39	37.79	3	27.06
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.83	29.30	33.98	3	24.99
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.54	38.46	2	27.91
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.98	25.98	2	20.22
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.43	34.47	2	25.58
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.74	37.13	2	27.5
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.56	35.63	2	25.64
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.86	34.64	2	24.99
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.27	34.85	2	24.82
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.09	33.20	2	23.73
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.04	32.65	2	24.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.90	33.60	2	24.63
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.72	37.90	2	27.36
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.34	1	28.01
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.28	1	22.12
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.14	1	21.29
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.78	1	21.02
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.17	1	22.77
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.59	1	20.15
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.34	1	27.28
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.90	1	22.57
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.96	1	22.62
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.35	1	22.17
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.94	1	22.6
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.93	1	24.06
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.78	1	28.33
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.75	1	27.58
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.06	1	27.8
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.81	1	26.89
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.56	1	25.25
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.74	1	24.65
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.30	1	23.6
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.82	1	23.98
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.61	1	23.09
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.46	1	23.71
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.16	1	24.22
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.32	1	22.88
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.95	1	26.99
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.27	1	21.38
AVERAGE		26.40	18.22	22.10	26.13	18.97	37.51	8.40	31.63	34.95	31.14	34.46	11	26.43

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	15.40	15.80	18.40	19.40	10.90	14.90	12.40	9.00	11.37	10.69	10.09	11	13.49
MT910189	Hockett	14.50	14.50	18.80	18.80	11.50	14.60	12.70	9.50	12.44	10.33	9.98	11	13.5
MT970116	Craft	16.58	16.00	18.50	17.90	11.20	16.20	13.00	9.30	12.28	10.75	10.28	11	13.88
PI568246	Baronesse	18.47	16.50	19.00	19.80	12.40	17.50	12.90	9.60	13.43	10.06	9.08	11	14.39
MT960101	Geraldine	15.92	12.10	17.40	17.50	0.00	16.70	13.10	9.60	12.69	9.37	9.76	10	13.29
SK 76333	Harrington	16.70	14.30	18.80	18.50	12.50	15.90	13.10	9.70	0.00	10.68	10.12	10	13.91
6B952482	Tradition	0.00	0.00	17.80	18.30	12.50	16.70	12.20	9.50	10.72	10.89	9.90	9	13.73
MT010158	Amsterdam	0.00	0.00	0.00	18.90	12.60	15.60	13.50	10.20	13.37	11.98	10.29	8	14.69
MT010160	MT920041/Harrington	0.00	0.00	0.00	17.40	12.20	16.10	12.80	9.40	12.13	11.37	9.68	8	13.93
2B965057	Conrad	0.00	0.00	0.00	0.00	13.10	16.60	14.10	10.10	11.15	11.17	9.67	7	14.56
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	9.70	14.20	12.20	9.30	11.69	10.80	9.87	7	13.25
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	12.20	15.10	13.00	9.60	11.69	11.02	9.99	7	14.06
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	9.70	16.70	13.00	9.70	11.61	11.40	9.72	7	13.85
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	12.50	16.50	12.50	10.00	0.00	10.53	9.59	6	14.18
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	10.60	15.80	12.40	9.70	0.00	10.76	10.06	6	13.74
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	13.70	11.90	8.80	12.42	9.76	9.15	6	12.97
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	15.40	12.00	9.30	12.16	10.63	9.59	6	13.6
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	14.70	12.40	10.10	12.43	10.32	9.10	6	13.64
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	12.60	9.60	11.29	11.11	10.33	5	13.86
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	13.20	9.50	10.74	10.29	10.15	5	13.58
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	12.16	9.95	9.26	4	13.32
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.10	10.23	9.30	9.11	4	12.42
TR232	Metcalfe	0.00	0.00	0.00	0.00	12.70	0.00	0.00	9.70	0.00	10.85	9.89	4	14.29
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.24	10.04	9.46	3	13.28
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.38	9.58	9.09	3	12.97
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.29	10.74	9.97	3	13.82
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.12	11.18	9.54	3	13.35
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.11	9.51	2	12.73
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	9.31	2	12.53
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.43	9.33	2	12.81
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.17	9.89	2	13.02
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.42	10.30	2	13.46
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14	9.86	2	12.99
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.24	9.90	2	13.08
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.17	9.71	2	12.9
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.69	9.53	2	13.11
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.86	9.60	2	13.27
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.33	9.60	2	12.93
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.56	1	12.78
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.91	1	13.25
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.81	1	13.11
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.11	1	13.51
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.83	1	13.14
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.58	1	12.8
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.86	1	13.18
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.74	1	13.02
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.74	1	13.02
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.76	1	13.05
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.96	1	13.31
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.75	1	13.03
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.68	1	19.62
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.26	1	13.71
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.23	1	13.67
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.49	1	12.68
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.04	1	13.42
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.41	1	12.58
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.84	1	13.15
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.14	1	12.22
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.17	1	12.26
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.42	1	12.59
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.36	1	12.51
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	1	12.56
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.14	1	12.22
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	1	13.63
AVERAGE		16.26	14.87	18.39	18.50	11.75	15.72	12.75	9.55	11.91	10.50	9.79	11	13.7

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/bu)	# Yrs	Plump (%0	# Yrs	Protein (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)
MT950186	Haxby	10	121.93	10	53.36	10	91.24	10	11.42	10	167.02	10	37.62
MT910189	Hockett	10	126.2	10	52.48	10	90.78	10	11.9	10	166.44	10	35.98
MT970116	Craft	10	121.02	10	52.84	10	93.59	10	11.67	10	166.78	10	38.94
PI568246	Baronesse	10	137.53	10	51.91	10	87.59	10	11.15	10	169.86	10	34.7
MT960101	Geraldine	9	124.01	9	51.7	9	82.85	9	10.96	9	171.98	9	35.07
SK 76333	Harrington	9	116.76	9	50.74	9	87.65	9	11.45	9	170.03	9	36.64
6B952482	Tradition	8	121.02	8	50.54	8	90.64	8	12.15	8	164.44	8	39.21
MT010158	Amsterdam	7	125.61	7	52.62	7	92.34	7	11.99	7	167.4	7	36.2
MT010160	MT920041/Harrington	7	123.72	7	52.66	7	89.3	7	11.94	7	168.09	7	38.02
2B965057	Conrad	6	132.11	6	52.45	6	92.14	6	12.3	6	168.81	6	36.12
MT020155	MT960225/H1851195	6	139.15	6	52.23	6	88.11	6	12.03	6	164.09	6	38.47
MT020162	MT960225/H1851195	6	136.65	6	52.72	6	91.17	6	12.22	6	169.23	6	37.7
MT020204	MTLB 32/H1851195	6	135.03	6	52.97	6	88.3	6	12.09	6	166.03	6	37.13
MT020167	MT960225/H3860224	5	121.07	5	53.11	5	92.12	5	11.72	5	169.87	5	35.86
MT020205	MTLB 32/H1851195	5	130.64	5	52.86	5	89.03	5	12.09	5	165.99	5	37.67
MT030042	MT910189/MT960099	5	140.2	5	54.02	5	89.2	5	11.02	5	167.21	5	36.03
MT030063	MT950155/Harrington	5	131.68	5	53.1	5	92.47	5	11.92	5	168.95	5	39.47
MT030079	MT950186/MT960225	5	133.21	5	54.24	5	93.98	5	11.14	5	168.47	5	36.8
MT040073	MT960045/Harrington	4	127.66	4	53.69	4	89.7	4	12.6	4	168.27	4	37.18
MT040209	MT960228/MT950186	4	145.86	4	52.64	4	85.94	4	12.58	4	169.41	4	36.5
MT050030	GS 1750/Bearpaw	4	130.26	4	52.7	4	92.06	4	10.58	4	168.87	4	35.83
MT050062	Harrington/MT960225	4	136.02	4	52.93	4	90.59	4	10.83	4	169.82	4	39.7
TR232	Metcalfe	4	123.93	4	51.8	4	90.38	4	11.84	4	168.07	4	36.9
MT061032	Baronesse/MT981210	3	149.36	3	52.2	3	88.4	3	11.3	3	169.95	3	34.39
MT061035	Baronesse/MT981210	3	154.76	3	52.06	3	88.31	3	11.48	3	169.44	3	36.44
MT061104	Harrington/MT970229	3	126.99	3	52.98	3	91.75	3	12.21	3	166.13	3	38.5
MT061169	MT960101/Coors 37	3	136.36	3	52.63	3	90.54	3	11.82	3	169.44	3	35.63
MT070063	MT010178/MT970116	2	139.06	2	53.13	2	87.81	2	11.77	2	165.99	2	59.87
MT070086	MT970148/Coors37	2	160.28	2	52.34	2	90.07	2	10.28	2	171.64	2	26.04
MT070111	MT010178/Harrington	2	132.64	2	53.36	2	89.55	2	10.78	2	169.53	2	36.47
MT070125	MT981210/MT970116	2	134	2	53.37	2	92.12	2	11.14	2	168.31	2	36.8
MT070148	MT990172/Metcalfe	2	146.21	2	54.24	2	95.37	2	11.61	2	167.52	2	35.87
MT070156	MT970148/Klages	2	149.49	2	52.92	2	91.08	2	10.86	2	167.37	2	34.21
MT070157	MT970148/Klages	2	150.32	2	53.25	2	91.35	2	11	2	167.35	2	34.84
MT070158	MT970148/Klages	2	152.23	2	53.1	2	90.96	2	11.15	2	167.48	2	35.07
MT070159	MT970148/Klages	2	155.32	2	52.39	2	88.68	2	11.31	2	167.68	2	34.56
MT070161	MT970148/Klages	2	159.56	2	53.26	2	91.25	2	10.85	2	166.69	2	33.46
MT070175	LK644///Hockett F5	2	142.09	2	52.1	2	91.38	2	10.41	2	167.53	2	39.04
COPELAND	Copeland	1	125.88	1	52.08	1	89.46	1	10.56	1	170.01	1	40.95
EM090117	03013-25	1	131.87	1	53.35	1	96.52	1	11.4	1	175.08	1	32.31
EM090128	03021-03	1	139.71	1	52.9	1	93.01	1	10.73	1	173.63	1	30.95
EM090130	03021-35	1	144.04	1	54.62	1	95.03	1	10.83	1	175.69	1	28.5
EM090134	03021-74	1	127.71	1	53.13	1	91.65	1	10.93	1	174.02	1	33.12
MT080001	Amulet/Metcalfe	1	126.85	1	54.7	1	96.27	1	11.75	1	171.67	1	31.79
MT080017	Amulet/MT960101	1	135.54	1	54.8	1	95.82	1	10.75	1	172.13	1	38.47
MT080077	Coors/Kendall	1	131.34	1	53.34	1	95.57	1	10.72	1	173.32	1	32.17
MT080081	Coors/Metcalfe	1	128.23	1	53.11	1	93.8	1	11.34	1	174.04	1	34.41
MT080083	Coors/Metcalfe	1	126.56	1	53.26	1	95.36	1	11	1	172.37	1	33.02
MT080084	Coors/Metcalfe	1	129.07	1	53.45	1	95.09	1	11.25	1	173.65	1	34.3
MT080085	Coors/Metcalfe	1	136.53	1	54.47	1	93.56	1	10.5	1	171.74	1	33.99
MT080100	Karma	1	45.82	1	59.7	1	85.48	1	14.95	1	168.39	1	36.35
MT080172	Klages/Stratus	1	113.61	1	52.25	1	85.67	1	11.86	1	167.02	1	34.93
MT080179	Metcalfe/MT990106	1	116.88	1	53.51	1	94.97	1	11.09	1	167.68	1	38.92
MT080243	MT960101/MT981210	1	118.06	1	52.81	1	88.79	1	11.39	1	169.46	1	38.43
MT080261	MT970026/MT981091	1	127.16	1	52.64	1	85.68	1	11.53	1	166.1	1	33.66
MT080274	MT970148/Conlon	1	139.18	1	52.13	1	90.15	1	10.97	1	166.47	1	32.71
MT080277	MT970148/Merit	1	133.82	1	52.91	1	93.08	1	11.11	1	169.42	1	33.59
MT080279	MT970148/MT970116	1	143.27	1	52.87	1	90.25	1	10.57	1	168.25	1	33.25
MT080281	MT970148/MT970116	1	138.77	1	53.42	1	92.01	1	10.37	1	168.44	1	31.84
MT080283	MT970148MT970116	1	149.48	1	53.38	1	92.86	1	10.31	1	168.31	1	30.17
MT080284	MT970148/MT970116	1	143.03	1	53.59	1	93.19	1	10.1	1	167	1	32.15
MT080285	MT970148/MT970116	1	132.86	1	53.69	1	95.02	1	10	1	168.02	1	32.15
PI643354	Pinnacle	1	115	1	52.65	1	95.59	1	9.47	1	164.7	1	38.85
SCARLETT	Scarlett	1	134.79	1	53.06	1	96.26	1	10.99	1	173.68	1	30.99
AVERAGE		10	126.38	10	52.16	10	89.87	10	11.53	10	168.24	10	36.63

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	120.54	163.34	164.56	133.33	137.98	85.23	123.80	103.21	72.10	115.22	10	121.93
MT910189	Hockett	131.69	164.12	161.83	141.84	121.10	97.61	112.70	128.88	73.00	116.46	10	126.2
MT970116	Craft	117.48	173.86	154.82	120.93	136.49	89.93	124.60	96.95	79.00	109.74	10	121.02
PI568246	Baronesse	135.33	158.44	141.59	137.40	153.72	94.01	142.30	136.39	105.40	132.02	10	137.53
MT960101	Geraldine	142.05	129.41	142.12	116.03	0.00	89.86	120.50	115.49	87.10	126.03	9	124.01
SK 76333	Harrington	130.69	131.48	135.92	124.18	128.99	85.76	113.10	0.00	74.50	124.85	9	116.76
6B952482	Tradition	0.00	0.00	135.72	119.75	146.04	98.39	104.80	130.64	63.50	116.56	8	121.02
MT010158	Amsterdam	0.00	0.00	0.00	136.25	111.84	105.77	121.70	102.45	83.60	115.55	7	125.61
MT010160	MT920041/Harrington	0.00	0.00	0.00	130.72	134.99	92.55	118.40	99.57	79.30	119.50	7	123.72
2B965057	Conrad	0.00	0.00	0.00	0.00	125.90	93.99	125.00	119.57	85.70	130.05	6	132.11
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	145.18	95.37	136.00	131.63	86.10	127.69	6	139.15
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	137.97	97.84	134.90	127.54	86.80	120.65	6	136.65
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	127.39	101.93	123.40	130.08	88.90	119.31	6	135.03
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	119.27	85.78	116.50	0.00	79.70	120.70	5	121.07
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	126.03	93.43	132.20	0.00	84.80	127.15	5	130.64
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	103.78	124.80	108.23	96.90	130.29	5	140.2
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	90.29	129.40	118.49	82.90	114.93	5	131.68
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	100.53	129.50	99.63	87.90	121.28	5	133.21
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	124.70	107.37	90.30	102.32	4	127.66
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	145.30	130.61	94.30	119.61	4	145.86
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	125.50	103.65	84.30	125.14	4	130.26
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	128.20	114.43	90.00	123.23	4	136.02
TR232	Metcalfe	0.00	0.00	0.00	0.00	134.02	0.00	123.60	0.00	79.90	113.80	4	123.93
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.91	103.10	133.73	3	149.36
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.04	103.60	129.12	3	154.76
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.95	76.10	125.69	3	126.99
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.48	91.10	122.11	3	136.36
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.40	116.75	2	139.06
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.00	141.52	2	160.28
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.80	113.56	2	132.64
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.40	119.97	2	134
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.20	130.59	2	146.21
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.20	135.18	2	149.49
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.40	126.85	2	150.32
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.40	136.85	2	152.23
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.90	135.49	2	155.32
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.90	137.12	2	159.56
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.50	120.72	2	142.09
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.95	1	125.88
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.61	1	131.87
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.02	1	139.71
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	136.11	1	144.04
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.68	1	127.71
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.87	1	126.85
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.08	1	135.54
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.11	1	131.34
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.17	1	128.23
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.59	1	126.56
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.97	1	129.07
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.02	1	136.53
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.30	1	45.82
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.36	1	113.61
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.45	1	116.88
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.56	1	118.06
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.16	1	127.16
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131.52	1	139.18
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	126.45	1	133.82
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.38	1	143.27
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131.13	1	138.77
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.25	1	149.48
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.16	1	143.03
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.55	1	132.86
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.67	1	115
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.37	1	134.79
AVERAGE		129.63	153.44	148.08	128.94	132.46	94.56	125.26	115.36	87.95	122.64	10	126.38

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	54.01	51.17	53.69	56.19	54.78	49.76	54.60	54.85	51.50	53.01	10	53.36
MT910189	Hockett	53.09	48.86	51.07	54.74	53.50	50.71	53.90	53.39	51.90	53.43	10	52.48
MT970116	Craft	53.76	50.43	50.76	54.28	53.96	51.10	54.30	54.19	51.40	54.03	10	52.84
PI568246	Baronesse	53.08	49.59	49.98	53.93	52.65	49.13	53.90	53.63	49.80	53.36	10	51.91
MT960101	Geraldine	52.77	48.83	49.20	54.04	0.00	49.85	53.20	52.33	49.80	53.78	9	51.7
SK 76333	Harrington	51.61	47.64	49.07	52.10	52.44	45.97	52.90	0.00	51.00	52.53	9	50.74
6B952482	Tradition	0.00	0.00	50.88	52.88	50.62	47.17	51.40	50.79	49.70	52.20	8	50.54
MT010158	Amsterdam	0.00	0.00	0.00	54.43	53.11	49.99	54.20	53.63	51.30	52.70	7	52.62
MT010160	MT920041/Harrington	0.00	0.00	0.00	54.06	53.18	49.46	54.10	54.17	51.60	53.07	7	52.66
2B965057	Conrad	0.00	0.00	0.00	0.00	52.48	49.13	53.90	53.16	51.30	53.00	6	52.45
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	52.03	49.30	53.30	53.39	51.20	52.41	6	52.23
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	53.31	50.58	53.90	53.89	49.80	53.14	6	52.72
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	53.41	49.90	54.40	53.81	50.90	53.69	6	52.97
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	53.29	50.13	54.30	0.00	50.90	53.74	5	53.11
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	53.04	49.47	54.80	0.00	51.10	52.74	5	52.86
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	51.65	54.70	54.72	51.80	54.01	5	54.02
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	51.01	53.50	53.96	50.60	53.25	5	53.1
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	51.71	55.20	54.73	52.00	54.33	5	54.24
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	54.90	55.21	52.00	53.20	4	53.69
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	53.60	54.23	50.40	52.86	4	52.64
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	53.70	53.51	51.10	52.97	4	52.7
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	53.70	53.89	50.40	54.27	4	52.93
TR232	Metcalfe	0.00	0.00	0.00	0.00	52.17	0.00	53.20	0.00	50.10	52.16	4	51.8
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.45	49.90	52.57	3	52.2
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.23	49.30	52.98	3	52.06
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.77	50.80	53.66	3	52.98
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.75	51.30	53.09	3	52.63
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.70	53.39	2	53.13
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10	52.43	2	52.34
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.50	53.01	2	53.36
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.20	53.35	2	53.37
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.20	54.05	2	54.24
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	53.18	2	52.92
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.90	53.42	2	53.25
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.90	53.12	2	53.1
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.90	52.74	2	52.39
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.80	53.53	2	53.26
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.70	52.37	2	52.1
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.74	1	52.08
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	1	53.35
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.56	1	52.9
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.27	1	54.62
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.79	1	53.13
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.35	1	54.7
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.44	1	54.8
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.99	1	53.34
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.77	1	53.11
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.91	1	53.26
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.10	1	53.45
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.12	1	54.47
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.31	1	59.7
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.91	1	52.25
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.16	1	53.51
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.47	1	52.81
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.30	1	52.64
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.79	1	52.13
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.57	1	52.91
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.53	1	52.87
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.07	1	53.42
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.03	1	53.38
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.24	1	53.59
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.34	1	53.69
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.31	1	52.65
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.72	1	53.06
AVERAGE		53.05	49.42	50.66	54.07	52.93	49.78	53.90	53.68	50.82	53.18	10	52.16

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	87.64	88.04	85.93	93.84	98.08	80.23	93.60	98.08	96.50	90.49	10	91.24
MT910189	Hockett	92.18	84.57	83.15	94.65	97.35	86.80	83.60	95.04	96.40	92.73	10	90.78
MT970116	Craft	92.88	90.74	89.04	92.71	98.03	87.72	95.70	98.69	96.40	92.45	10	93.59
PI568246	Baronesse	93.86	85.56	73.52	90.19	95.57	67.61	96.70	95.11	88.70	90.61	10	87.59
MT960101	Geraldine	87.80	71.88	75.94	87.73	0.00	68.23	83.60	86.97	86.70	91.04	9	82.85
SK 76333	Harrington	92.19	82.31	76.82	84.83	94.33	71.12	96.70	0.00	95.60	89.49	9	87.65
6B952482	Tradition	0.00	0.00	87.22	93.00	96.62	74.84	94.50	95.52	97.30	93.36	8	90.64
MT010158	Amsterdam	0.00	0.00	0.00	91.39	97.83	85.77	97.50	98.26	95.70	91.26	7	92.34
MT010160	MT920041/Harrington	0.00	0.00	0.00	91.51	95.60	73.93	96.10	97.54	97.20	86.06	7	89.3
2B965057	Conrad	0.00	0.00	0.00	0.00	95.20	83.53	98.40	97.38	96.00	91.25	6	92.14
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	92.75	75.93	93.10	94.23	96.10	86.04	6	88.11
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	97.45	84.96	96.80	93.53	92.90	89.81	6	91.17
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	95.76	72.24	96.20	93.51	93.00	89.12	6	88.3
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	97.20	84.06	94.80	0.00	93.60	92.87	5	92.12
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	95.28	75.98	96.90	0.00	94.50	85.60	5	89.03
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	81.48	89.60	96.07	93.70	87.28	5	89.2
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	86.62	92.80	98.13	94.80	91.67	5	92.47
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	89.61	94.40	97.62	96.60	93.06	5	93.98
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	94.60	97.52	93.40	86.83	4	89.7
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	88.60	96.43	88.90	82.93	4	85.94
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	96.10	97.22	96.90	91.73	4	92.06
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	92.70	97.28	92.50	93.25	4	90.59
TR232	Metcalfe	0.00	0.00	0.00	0.00	94.11	0.00	96.90	0.00	94.30	89.60	4	90.38
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.03	90.50	88.63	3	88.4
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.77	89.60	90.37	3	88.31
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.64	96.00	92.88	3	91.75
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.62	95.40	89.85	3	90.54
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.40	88.46	2	87.81
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.70	90.79	2	90.07
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	88.72	2	89.55
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.00	91.76	2	92.12
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	96.81	2	95.37
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.10	92.41	2	91.08
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.60	92.49	2	91.35
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.90	91.43	2	90.96
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	89.82	2	88.68
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.70	92.19	2	91.25
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	91.61	2	91.38
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.72	1	89.46
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.72	1	96.52
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.24	1	93.01
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.25	1	95.03
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.89	1	91.65
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.48	1	96.27
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.03	1	95.82
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.78	1	95.57
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.03	1	93.8
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.57	1	95.36
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.31	1	95.09
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.79	1	93.56
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.77	1	85.48
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.96	1	85.67
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.19	1	94.97
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.06	1	88.79
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.97	1	85.68
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.41	1	90.15
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.31	1	93.08
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.51	1	90.25
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.25	1	92.01
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.09	1	92.86
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.42	1	93.19
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.24	1	95.02
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.80	1	95.59
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.47	1	96.26
AVERAGE		91.09	83.85	81.66	91.09	96.08	79.48	93.91	96.18	94.22	91.05	10	89.87

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	11.39	12.60	12.60	12.40	10.50	13.80	9.90	9.34	10.00	11.70	10	11.42
MT910189	Hockett	11.13	12.90	13.00	12.50	10.83	13.50	9.70	12.52	10.70	11.38	10	11.9
MT970116	Craft	10.15	13.00	13.30	13.00	10.97	14.80	9.70	10.06	10.30	11.50	10	11.67
PI568246	Baronesse	9.12	11.40	13.50	11.80	10.43	13.20	8.20	11.50	10.80	10.99	10	11.15
MT960101	Geraldine	9.50	11.10	13.80	11.10	0.00	13.20	9.20	10.70	10.00	10.50	9	10.96
SK 76333	Harrington	10.58	11.40	13.00	13.40	11.12	15.10	9.60	0.00	9.90	11.29	9	11.45
6B952482	Tradition	0.00	0.00	14.30	11.90	11.03	13.80	10.10	11.87	11.00	11.39	8	12.15
MT010158	Amsterdam	0.00	0.00	0.00	13.10	10.27	14.10	9.70	11.09	11.10	11.86	7	11.99
MT010160	MT920041/Harrington	0.00	0.00	0.00	13.40	10.72	14.30	9.50	10.42	10.60	12.21	7	11.94
2B965057	Conrad	0.00	0.00	0.00	0.00	11.42	14.30	10.40	11.09	10.80	11.90	6	12.3
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	11.14	12.80	10.00	12.34	10.10	11.56	6	12.03
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	11.65	13.40	9.80	11.18	11.60	11.61	6	12.22
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	10.28	14.00	9.70	12.13	10.90	11.56	6	12.09
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	10.03	14.60	10.50	0.00	10.60	11.65	5	11.72
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	10.79	14.30	10.00	0.00	11.50	12.49	5	12.09
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	12.90	9.20	10.19	9.60	10.63	5	11.02
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	14.40	9.80	11.33	10.20	11.11	5	11.92
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	12.80	9.70	9.76	9.90	10.94	5	11.14
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	10.50	11.09	10.80	12.68	4	12.6
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	11.70	11.09	10.50	11.55	4	12.58
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	8.80	8.88	9.40	10.81	4	10.58
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	9.50	9.12	9.90	10.15	4	10.83
TR232	Metcalfe	0.00	0.00	0.00	0.00	11.03	0.00	10.30	0.00	10.70	11.54	4	11.84
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.31	10.10	11.23	3	11.3
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.86	10.40	10.75	3	11.48
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.59	10.90	11.49	3	12.21
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.95	10.30	11.82	3	11.82
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.90	11.36	2	11.77
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.10	10.41	2	10.28
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.40	11.08	2	10.78
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	11.13	2	11.14
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.70	11.27	2	11.61
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.55	2	10.86
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.84	2	11
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	10.91	2	11.15
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	11.00	2	11.31
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.80	10.76	2	10.85
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50	10.22	2	10.41
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.82	1	10.56
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.68	1	11.4
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.99	1	10.73
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.09	1	10.83
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	1	10.93
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.03	1	11.75
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.01	1	10.75
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.98	1	10.72
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.62	1	11.34
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.27	1	11
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	1	11.25
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.75	1	10.5
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.31	1	14.95
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.15	1	11.86
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.36	1	11.09
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.67	1	11.39
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.81	1	11.53
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.24	1	10.97
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.38	1	11.11
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.83	1	10.57
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.62	1	10.37
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.56	1	10.31
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.35	1	10.1
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.24	1	10
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70	1	9.47
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.26	1	10.99
AVERAGE		10.31	12.07	13.36	12.51	10.81	13.85	9.80	10.67	10.33	11.27	10	11.53

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	157.58	164.81	171.41	174.00	163.06	169.33	162.70	170.33	170.00	166.99	10	167.02
MT910189	Hockett	159.02	165.83	169.97	166.67	163.71	170.00	163.70	170.33	169.00	165.69	10	166.44
MT970116	Craft	160.01	166.91	171.82	168.67	162.31	169.00	162.70	169.98	168.70	167.35	10	166.78
PI568246	Baronesse	160.69	171.51	172.29	176.00	164.98	172.67	165.30	172.01	172.00	170.97	10	169.86
MT960101	Geraldine	162.70	175.03	174.21	176.33	0.00	175.00	168.70	173.68	173.30	172.58	9	171.98
SK 76333	Harrington	159.70	173.37	171.93	171.33	170.99	172.33	165.10	0.00	171.40	170.30	9	170.03
6B952482	Tradition	0.00	0.00	169.79	166.67	162.01	167.00	160.00	169.01	167.00	165.38	8	164.44
MT010158	Amsterdam	0.00	0.00	0.00	169.67	164.97	171.00	164.00	170.25	169.70	169.23	7	167.4
MT010160	MT920041/Harrington	0.00	0.00	0.00	170.33	165.00	172.00	164.60	171.03	171.00	169.73	7	168.09
2B965057	Conrad	0.00	0.00	0.00	0.00	164.05	170.67	165.00	172.02	171.40	170.00	6	168.81
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	162.92	166.33	160.00	167.35	163.40	164.71	6	164.09
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	164.31	172.33	165.60	171.69	171.70	170.04	6	169.23
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	162.00	169.67	162.70	169.69	167.30	165.09	6	166.03
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	165.34	174.33	165.70	0.00	171.30	169.60	5	169.87
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	162.64	169.00	161.60	0.00	168.40	165.27	5	165.99
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	169.67	164.00	171.31	168.70	166.60	5	167.21
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	171.67	165.00	171.64	171.70	169.00	5	168.95
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	170.33	164.60	171.03	171.00	169.64	5	168.47
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	164.00	171.66	170.60	168.77	4	168.27
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	164.70	172.30	172.30	170.30	4	169.41
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	165.30	171.67	171.70	168.72	4	168.87
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	167.00	170.71	172.70	170.73	4	169.82
TR232	Metcalfe	0.00	0.00	0.00	0.00	164.94	0.00	163.70	0.00	170.60	167.66	4	168.07
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.96	172.30	170.94	3	169.95
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.30	172.00	170.34	3	169.44
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.69	168.30	165.63	3	166.13
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.34	171.30	171.00	3	169.44
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.60	166.30	2	165.99
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.60	171.70	2	171.64
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.70	170.33	2	169.53
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.30	168.29	2	168.31
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.70	168.28	2	167.52
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.00	167.69	2	167.37
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.30	168.33	2	167.35
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.30	168.60	2	167.48
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.00	169.30	2	167.68
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.60	167.71	2	166.69
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.30	167.72	2	167.53
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.98	1	170.01
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.05	1	175.08
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.60	1	173.63
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.66	1	175.69
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.99	1	174.02
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.64	1	171.67
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.10	1	172.13
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.29	1	173.32
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.01	1	174.04
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.34	1	172.37
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.62	1	173.65
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.71	1	171.74
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.36	1	168.39
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.99	1	167.02
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.65	1	167.68
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.43	1	169.46
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.07	1	166.1
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.44	1	166.47
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	169.39	1	169.42
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.22	1	168.25
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.41	1	168.44
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.28	1	168.31
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.97	1	167
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.99	1	168.02
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164.67	1	164.7
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.65	1	173.68
AVERAGE		159.95	169.58	171.63	171.07	164.22	170.68	164.16	171.13	170.29	169.31	10	168.24

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	31.65	33.52	40.30	34.60	38.97	44.23	39.40	34.70	39.50	39.30	10	37.62
MT910189	Hockett	29.42	32.51	36.34	35.42	35.12	43.74	35.30	35.74	38.34	37.49	10	35.98
MT970116	Craft	33.53	34.70	40.25	34.23	41.18	45.84	39.90	36.65	40.83	42.21	10	38.94
PI568246	Baronesse	25.42	30.71	33.73	33.63	37.15	42.97	34.90	37.03	37.40	34.24	10	34.7
MT960101	Geraldine	29.19	31.50	34.66	32.06	0.00	42.20	35.70	34.82	37.65	36.35	9	35.07
SK 76333	Harrington	29.78	32.32	38.33	37.38	38.73	42.78	35.70	0.00	37.98	39.31	9	36.64
6B952482	Tradition	0.00	0.00	37.49	34.15	41.34	47.56	41.30	38.92	43.50	39.85	8	39.21
MT010158	Amsterdam	0.00	0.00	0.00	35.85	33.50	43.56	36.80	34.05	39.55	36.92	7	36.2
MT010160	MT920041/Harrington	0.00	0.00	0.00	37.80	38.22	44.80	37.60	37.76	38.12	38.53	7	38.02
2B965057	Conrad	0.00	0.00	0.00	0.00	36.85	43.08	36.60	34.12	38.45	37.56	6	36.12
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	38.48	46.34	37.70	39.75	40.08	38.65	6	38.47
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	40.91	44.17	37.70	35.77	40.83	37.09	6	37.7
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	35.81	44.06	36.00	37.11	40.66	39.12	6	37.13
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	34.51	42.69	38.50	0.00	39.01	37.39	5	35.86
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	38.19	46.36	37.60	0.00	41.30	38.46	5	37.67
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	43.75	36.30	35.24	38.08	35.32	5	36.03
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	44.66	40.00	40.53	41.43	39.48	5	39.47
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	42.44	38.40	35.13	38.62	38.02	5	36.8
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	39.30	34.79	38.80	38.18	4	37.18
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	38.80	35.08	35.68	38.58	4	36.5
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	35.60	33.91	36.49	39.53	4	35.83
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	39.90	37.33	41.86	42.16	4	39.7
TR232	Metcalfe	0.00	0.00	0.00	0.00	39.17	0.00	37.60	0.00	39.55	37.85	4	36.9
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.51	36.59	35.69	3	34.39
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.47	37.98	36.25	3	36.44
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.50	41.90	38.77	3	38.5
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.24	37.33	36.89	3	35.63
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.45	83.86	2	59.87
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.89	27.65	2	26.04
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.56	38.84	2	36.47
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.93	36.16	2	36.8
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.33	36.81	2	35.87
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.02	37.63	2	34.21
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.45	35.53	2	34.84
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.82	35.66	2	35.07
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.11	36.28	2	34.56
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.49	33.60	2	33.46
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.90	40.88	2	39.04
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.78	1	40.95
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.76	1	32.31
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.33	1	30.95
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.77	1	28.5
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.60	1	33.12
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.21	1	31.79
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.19	1	38.47
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.61	1	32.17
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.95	1	34.41
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.50	1	33.02
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.83	1	34.3
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.51	1	33.99
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.98	1	36.35
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.49	1	34.93
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.66	1	38.92
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.15	1	38.43
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.17	1	33.66
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.17	1	32.71
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.09	1	33.59
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.74	1	33.25
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.26	1	31.84
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.52	1	30.17
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.59	1	32.15
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.59	1	32.15
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.59	1	38.85
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.38	1	30.99
AVERAGE		29.83	32.54	37.30	35.01	37.88	44.18	37.68	35.83	38.56	37.40	10	36.63

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	109.61	10	53.81	10	70.74	10	178.85	10	30.83	10	12.96
MT910189	Hockett	10	102.44	10	52.47	10	81.58	10	177.92	10	30.85	10	13.14
MT970116	Craft	10	108.43	10	52.83	10	74.42	10	178.59	10	33.68	10	13.37
PI568246	Baronesse	10	109.83	10	51.18	10	62.26	10	180.9	10	29.9	10	13.49
SK 76333	Harrington	10	97.39	10	49.55	10	63.74	10	180.82	10	30.96	10	13.7
MT960101	Geraldine	9	101.36	9	50.35	9	49.62	9	182.22	9	29.84	9	13.74
6B952482	Tradition	8	100.42	8	50.46	8	62.1	8	177.73	8	34.43	8	13.39
MT010158	Amsterdam	7	105.44	7	52.1	7	74.43	7	179.22	7	30.36	7	13.77
MT010160	MT920041/Harrington	7	105.88	7	51.75	7	66.85	7	180.81	7	32.06	7	13.54
2B965057	Conrad	6	109.63	6	51.25	6	74.18	6	181.66	6	29.39	6	13.99
MT020155	MT960225/H1851195	6	110.07	6	52.2	6	72.24	6	176.72	6	31.54	6	13.1
MT020162	MT960225/H1851195	6	113.35	6	52.67	6	77.61	6	181.47	6	32.63	6	13.49
MT020167	MT960225/H3860224	6	98.36	6	51.81	6	75.82	6	179.93	6	30.57	6	13.92
MT020204	MTLB 32/H1851195	6	112.62	6	52.91	6	70.69	6	178.89	6	31.89	6	13.48
MT020205	MTLB 32/H1851195	6	111.69	6	52.52	6	77.14	6	178.56	6	32.33	6	13.6
MT030042	MT910189/MT960099	5	101.22	5	52.31	5	61.39	5	180.16	5	29.9	5	12.25
MT030063	MT950155/Harrington	5	112.48	5	53.73	5	83.36	5	182.03	5	33.45	5	12.73
MT030079	MT950186/MT960225	5	106.74	5	52.93	5	68.33	5	180.49	5	30.72	5	13.26
TR232	Metcalfe	5	101.52	5	51.16	5	67.89	5	179.97	5	32.79	5	13.87
MT040073	MT960045/Harrington	4	110.22	4	53.31	4	71.54	4	180.26	4	30.91	4	13.64
MT040209	MT960228/MT950186	4	116.57	4	52.13	4	68.93	4	182	4	30.04	4	13.06
MT050030	GS 1750/Bearpaw	3	119.96	3	52.13	3	74	3	182.51	3	31.48	3	12.57
MT050062	Harrington/MT960225	3	113.8	3	52.9	3	72.38	3	182.95	3	34.22	3	12.49
MT061032	Baronesse/MT981210	2	125.5	2	52.11	2	72.8	2	182.55	2	31.94	2	13.19
MT061035	Baronesse/MT981210	2	127.94	2	52.8	2	71.79	2	181.63	2	33.4	2	12.81
MT061104	Harrington/MT970229	2	118.3	2	52.19	2	74.49	2	180.04	2	32.37	2	12.79
MT061169	MT960101/Coors 37	2	122.55	2	51.83	2	68.13	2	182.1	2	30.11	2	13.12
MT070063	MT010178/MT970116	2	123.76	2	53	2	71.9	2	179.76	2	34.78	2	12.46
MT070086	MT970148/Coors37	2	123.32	2	52.46	2	73.66	2	183.93	2	24.96	2	12.9
MT070111	MT010178/Harrington	2	121.21	2	52.74	2	71.61	2	180.99	2	32.84	2	12.42
MT070125	MT981210/MT970116	2	118.4	2	52.82	2	71.83	2	181.77	2	32.55	2	12.73
MT070148	MT990172/Metcalfe	2	112.01	2	52.4	2	74.75	2	179.7	2	31.05	2	13.06
MT070156	MT970148/Klages	2	126.99	2	52.34	2	72.86	2	180.06	2	30.63	2	12.39
MT070157	MT970148/Klages	2	129.45	2	52.17	2	74.53	2	180.23	2	30.24	2	12.41
MT070158	MT970148/Klages	2	122.55	2	52.41	2	73.92	2	179.98	2	30.76	2	12.88
MT070159	MT970148/Klages	2	121.34	2	52.41	2	73.15	2	180.54	2	29.37	2	12.59
MT070161	MT970148/Klages	2	123.59	2	52.15	2	74.99	2	180.36	2	30.76	2	12.95
MT070175	LK644///Hockett F5	2	114.98	2	51.65	2	73.16	2	180.44	2	31.34	2	11.77
COPELAND	Copeland	1	125.92	1	51	1	73.35	1	181.41	1	36.64	1	11.92
EM090117	03013-25	1	135.09	1	52.24	1	76.39	1	186.84	1	29.48	1	13.09
EM090128	03021-03	1	143.65	1	52.39	1	74.77	1	185.24	1	28.45	1	12.39
EM090130	03021-35	1	130.16	1	52.24	1	75.71	1	186.2	1	27.46	1	12.63
EM090134	03021-74	1	127.29	1	50.98	1	73.98	1	185.88	1	30.77	1	12.92
MT080001	Amulet/Metcalfe	1	125.85	1	51.89	1	74.89	1	184.29	1	28.78	1	14.25
MT080017	Amulet/MT960101	1	126.7	1	51.3	1	74.09	1	183.01	1	33.9	1	12.55
MT080077	Coors/Kendall	1	130.4	1	52.3	1	76.13	1	183.97	1	29.97	1	12.67
MT080081	Coors/Metcalfe	1	141.92	1	52.75	1	76.27	1	183.33	1	30.51	1	13.03
MT080083	Coors/Metcalfe	1	130.44	1	52.49	1	76.42	1	183.97	1	29.28	1	13.22
MT080084	Coors/Metcalfe	1	132.35	1	52.49	1	76.27	1	183.97	1	29.93	1	13.03
MT080085	Coors/Metcalfe	1	118.21	1	50.75	1	68.24	1	183.01	1	30.78	1	11.87
MT080100	Karma	1	68.24	1	55.87	1	72.83	1	181.41	1	35.53	1	15.69
MT080172	Klages/Stratus	1	121.38	1	51.66	1	68.9	1	181.09	1	31.49	1	12.49
MT080179	Metcalfe/MT990106	1	119.18	1	53.1	1	73.86	1	179.49	1	34.88	1	13.11
MT080243	MT960101/MT981210	1	114.48	1	53.01	1	68.2	1	180.78	1	35.26	1	12.51
MT080261	MT970026/MT981091	1	115.59	1	50.94	1	61.9	1	178.86	1	30.35	1	13.08
MT080274	MT970148/Conlon	1	123.34	1	51.77	1	71.81	1	179.82	1	30.22	1	11.89
MT080277	MT970148/Merit	1	120.94	1	50.33	1	70.12	1	179.5	1	29.28	1	12.66
MT080279	MT970148/MT970116	1	128	1	51.11	1	72.72	1	179.82	1	29.63	1	12.25
MT080281	MT970148/MT970116	1	123.67	1	51.07	1	71.25	1	179.82	1	30.76	1	11.9
MT080283	MT970148MT970116	1	126.81	1	50.86	1	72.87	1	179.82	1	29.83	1	12.15
MT080284	MT970148/MT970116	1	131.46	1	51.59	1	72.64	1	179.5	1	29.88	1	12.44
MT080285	MT970148/MT970116	1	126.75	1	52.04	1	72.53	1	179.49	1	29.85	1	12.43
PI643354	Pinnacle	1	100.87	1	50.24	1	72.37	1	179.18	1	32.07	1	11.95
SCARLETT	Scarlett	1	119.91	1	52.53	1	75.84	1	183.34	1	28.62	1	13.49
AVERAGE		10	106.04	10	51.76	10	68.44	10	179.69	10	31.16	10	13.46

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	133.29	113.06	76.87	84.10	135.61	99.28	124.88	93.50	127.86	107.65	10	109.61
MT910189	Hockett	120.75	114.90	59.90	78.13	128.70	95.65	112.09	90.60	124.35	103.73	10	102.44
MT970116	Craft	129.14	115.62	75.92	77.31	137.97	102.59	118.72	84.10	134.23	112.32	10	108.43
PI568246	Baronesse	129.68	117.60	68.33	80.83	133.97	88.26	117.21	96.10	140.25	131.02	10	109.83
SK 76333	Harrington	118.72	104.51	52.61	72.11	124.84	78.04	102.43	80.70	128.21	122.21	10	97.39
MT960101	Geraldine	128.66	115.77	61.43	69.39	0.00	88.19	107.17	82.70	128.79	115.32	9	101.36
6B952482	Tradition	0.00	0.00	65.44	85.98	133.51	81.93	120.52	77.30	122.90	96.15	8	100.42
MT010158	Amsterdam	0.00	0.00	0.00	71.37	136.07	94.26	118.31	81.60	131.08	117.01	7	105.44
MT010160	MT920041/Harrington	0.00	0.00	0.00	75.92	129.74	92.59	119.05	83.70	128.70	120.00	7	105.88
2B965057	Conrad	0.00	0.00	0.00	0.00	128.88	92.58	115.36	91.90	132.05	126.89	6	109.63
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	133.23	103.75	128.35	86.20	126.07	114.32	6	110.07
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	140.66	100.65	122.98	87.70	134.61	126.81	6	113.35
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	130.37	95.59	108.36	80.50	107.68	95.72	6	98.36
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	134.01	92.69	124.55	86.00	138.58	133.72	6	112.62
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	134.33	100.72	121.33	83.30	141.64	122.56	6	111.69
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	95.37	116.01	84.30	109.44	104.44	5	101.22
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	103.58	125.76	81.40	135.80	123.57	5	112.48
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	95.69	118.97	80.40	132.45	113.75	5	106.74
TR232	Metcalfe	0.00	0.00	0.00	0.00	117.89	0.00	115.78	84.20	120.24	106.96	5	101.52
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	116.25	84.20	129.79	126.58	4	110.22
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	114.48	100.00	144.58	122.40	4	116.57
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.80	151.70	130.40	3	119.96
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.90	135.59	116.49	3	113.8
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139.20	129.31	2	125.5
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.66	134.56	2	127.94
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	136.05	117.82	2	118.3
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	133.52	128.30	2	122.55
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.06	125.18	2	123.76
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	133.23	130.05	2	123.32
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.82	118.68	2	121.21
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	136.78	117.41	2	118.4
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122.54	116.85	2	112.01
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.30	130.47	2	126.99
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146.05	131.30	2	129.45
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.51	127.47	2	122.55
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.44	125.15	2	121.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.44	124.51	2	123.59
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.53	111.74	2	114.98
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.67	1	125.92
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.67	1	135.09
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.08	1	143.65
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.83	1	130.16
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.01	1	127.29
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.60	1	125.85
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.43	1	126.7
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.07	1	130.4
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139.38	1	141.92
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128.11	1	130.44
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.98	1	132.35
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.10	1	118.21
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.02	1	68.24
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.21	1	121.38
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.05	1	119.18
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.43	1	114.48
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.52	1	115.59
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.13	1	123.34
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.78	1	120.94
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.71	1	128
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.46	1	123.67
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.54	1	126.81
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.11	1	131.46
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.48	1	126.75
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.07	1	100.87
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.77	1	119.91
AVERAGE		126.71	113.58	65.79	77.24	131.99	94.52	117.55	85.83	133.18	120.47	10	106.04

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	57.10	53.15	51.75	50.85	55.20	52.75	54.43	54.40	54.21	54.28	10	53.81
MT910189	Hockett	56.95	51.45	51.40	47.50	55.70	52.40	53.58	52.50	52.64	50.75	10	52.47
MT970116	Craft	55.75	52.25	51.05	47.45	55.60	52.15	53.63	53.00	54.26	53.30	10	52.83
PI568246	Baronesse	54.40	50.75	48.40	44.65	53.90	48.70	51.84	52.60	54.12	52.80	10	51.18
SK 76333	Harrington	53.20	49.05	46.95	42.45	52.65	46.70	50.55	50.40	52.66	51.32	10	49.55
MT960101	Geraldine	54.00	51.30	48.30	43.15	0.00	48.95	50.81	50.10	54.25	51.30	9	50.35
6B952482	Tradition	0.00	0.00	46.70	46.30	53.45	47.70	52.64	50.50	53.00	51.19	8	50.46
MT010158	Amsterdam	0.00	0.00	0.00	46.00	55.60	50.60	54.04	52.60	53.69	51.90	7	52.1
MT010160	MT920041/Harrington	0.00	0.00	0.00	43.45	56.15	49.70	53.23	52.90	54.12	52.61	7	51.75
2B965057	Conrad	0.00	0.00	0.00	0.00	53.25	49.50	50.91	52.70	53.04	50.42	6	51.25
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	54.80	51.75	53.80	51.80	52.13	51.24	6	52.2
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	54.15	52.25	53.26	51.80	54.69	52.17	6	52.67
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	55.00	50.65	51.94	52.20	52.89	50.52	6	51.81
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	55.95	50.60	53.45	53.30	54.03	52.55	6	52.91
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	55.10	51.55	53.43	52.70	52.74	51.93	6	52.52
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	51.65	52.07	53.70	53.40	51.68	5	52.31
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	53.35	54.37	53.20	54.59	54.12	5	53.73
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	51.75	53.41	53.80	54.07	52.63	5	52.93
TR232	Metcalfe	0.00	0.00	0.00	0.00	52.25	0.00	52.05	50.80	53.12	50.86	5	51.16
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	53.57	53.10	54.53	54.09	4	53.31
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	51.87	52.60	54.15	51.89	4	52.13
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.00	54.09	51.72	3	52.13
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.40	54.95	52.77	3	52.9
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.28	51.77	2	52.11
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.49	52.95	2	52.8
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.57	51.65	2	52.19
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.77	51.72	2	51.83
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.14	52.71	2	53
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.25	53.52	2	52.46
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.30	52.02	2	52.74
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.48	52.01	2	52.82
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.27	52.38	2	52.4
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.61	52.91	2	52.34
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.44	51.73	2	52.17
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.15	51.51	2	52.41
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32	52.35	2	52.41
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32	51.82	2	52.15
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.26	50.86	2	51.65
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.44	1	51
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.69	1	52.24
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.85	1	52.39
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.69	1	52.24
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.42	1	50.98
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.34	1	51.89
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.75	1	51.3
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.75	1	52.3
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.21	1	52.75
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.95	1	52.49
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.95	1	52.49
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.19	1	50.75
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.36	1	55.87
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.11	1	51.66
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.56	1	53.1
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.47	1	53.01
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.38	1	50.94
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.22	1	51.77
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.77	1	50.33
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.55	1	51.11
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.51	1	51.07
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.30	1	50.86
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.04	1	51.59
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.49	1	52.04
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.68	1	50.24
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.99	1	52.53
AVERAGE		55.23	51.33	49.22	45.76	54.58	50.71	52.80	52.40	53.61	52.20	10	51.76

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	72.10	69.20	67.70	34.60	85.45	47.60	73.01	79.90	86.95	90.88	10	70.74
MT910189	Hockett	90.00	78.40	82.95	43.55	90.50	67.20	85.26	89.00	85.12	85.06	10	81.58
MT970116	Craft	72.30	65.80	68.75	41.25	80.70	60.80	73.68	88.20	90.03	89.83	10	74.42
PI568246	Baronesse	58.75	54.25	66.75	20.10	72.40	33.75	70.40	84.00	90.56	92.89	10	62.26
SK 76333	Harrington	51.65	67.15	61.55	33.10	67.10	27.55	73.53	86.50	87.40	90.82	10	63.74
MT960101	Geraldine	48.20	55.05	47.15	15.25	0.00	22.15	52.56	55.40	80.37	82.56	9	49.62
6B952482	Tradition	0.00	0.00	42.25	22.65	74.90	22.25	89.69	88.00	91.40	92.60	8	62.1
MT010158	Amsterdam	0.00	0.00	0.00	28.20	89.35	50.10	89.50	91.90	89.99	94.61	7	74.43
MT010160	MT920041/Harrington	0.00	0.00	0.00	21.75	77.70	41.50	79.28	86.20	89.57	91.82	7	66.85
2B965057	Conrad	0.00	0.00	0.00	0.00	81.35	46.50	80.63	93.60	91.04	94.49	6	74.18
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	84.25	55.80	79.55	85.70	76.56	84.21	6	72.24
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	87.70	67.20	78.53	78.50	91.58	93.91	6	77.61
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	84.95	63.40	76.07	87.50	86.68	88.22	6	75.82
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	88.80	38.15	78.22	86.20	90.83	87.30	6	70.69
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	87.90	60.70	82.46	88.60	88.73	89.12	6	77.14
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	34.00	62.96	80.60	75.14	80.88	5	61.39
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	74.55	87.19	83.40	92.68	92.90	5	83.36
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	44.75	63.03	82.20	87.81	89.75	5	68.33
TR232	Metcalfe	0.00	0.00	0.00	0.00	58.05	0.00	77.80	85.30	89.98	86.47	5	67.89
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	73.80	82.00	87.22	91.34	4	71.54
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	69.67	80.10	85.01	87.55	4	68.93
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.50	92.54	93.53	3	74
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.40	90.25	90.91	3	72.38
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.12	92.87	2	72.8
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.66	92.84	2	71.79
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.71	93.46	2	74.49
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.96	89.38	2	68.13
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.19	92.57	2	71.9
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.87	96.38	2	73.66
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.52	89.39	2	71.61
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.69	90.83	2	71.83
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.99	94.87	2	74.75
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.17	94.02	2	72.86
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.36	96.01	2	74.53
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.73	95.11	2	73.92
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.45	93.41	2	73.15
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.30	96.22	2	74.99
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.45	94.48	2	73.16
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.24	1	73.35
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.14	1	76.39
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.06	1	74.77
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.27	1	75.71
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.04	1	73.98
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.21	1	74.89
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.19	1	74.09
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.81	1	76.13
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.98	1	76.27
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.18	1	76.42
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.99	1	76.27
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.67	1	68.24
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.56	1	72.83
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.52	1	68.9
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.89	1	73.86
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.62	1	68.2
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.52	1	61.9
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.26	1	71.81
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.08	1	70.12
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.42	1	72.72
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.54	1	71.25
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.62	1	72.87
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.32	1	72.64
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.18	1	72.53
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.98	1	72.37
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.43	1	75.84
AVERAGE		65.50	64.97	62.44	28.94	80.74	47.66	76.04	83.86	88.54	92.14	10	68.44

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	170.43	175.31	182.69	181.67	179.00	184.68	173.44	162.40	192.23	186.66	10	178.85
MT910189	Hockett	167.06	173.69	180.58	181.00	177.00	182.90	173.02	163.90	193.38	186.66	10	177.92
MT970116	Craft	168.96	175.68	181.98	181.67	177.00	184.41	174.01	162.80	192.42	187.00	10	178.59
PI568246	Baronesse	170.00	177.00	183.38	183.00	181.00	187.82	175.21	167.40	195.73	188.34	10	180.9
SK 76333	Harrington	170.88	176.99	183.58	183.00	180.33	185.85	176.07	165.40	195.41	190.67	10	180.82
MT960101	Geraldine	172.08	177.99	184.18	184.00	0.00	187.18	176.37	170.20	197.49	190.00	9	182.22
6B952482	Tradition	0.00	0.00	181.44	181.33	178.00	183.42	170.20	160.20	191.80	187.67	8	177.73
MT010158	Amsterdam	0.00	0.00	0.00	181.33	177.33	184.27	175.61	163.50	193.55	187.01	7	179.22
MT010160	MT920041/Harrington	0.00	0.00	0.00	182.67	179.33	185.74	175.69	166.00	196.31	188.00	7	180.81
2B965057	Conrad	0.00	0.00	0.00	0.00	180.00	185.26	175.92	167.10	197.61	189.34	6	181.66
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	175.33	181.93	169.39	160.80	191.65	186.67	6	176.72
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	179.00	186.64	174.76	166.60	197.21	189.99	6	181.47
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	177.67	184.97	173.61	167.50	193.02	187.67	6	179.93
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	177.33	184.30	173.62	162.00	193.88	187.67	6	178.89
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	176.67	183.85	173.21	162.30	193.39	187.33	6	178.56
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	185.64	173.60	166.20	193.22	187.00	5	180.16
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	186.93	175.42	167.30	196.56	189.00	5	182.03
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	185.02	173.74	166.20	193.11	189.34	5	180.49
TR232	Metcalfe	0.00	0.00	0.00	0.00	180.00	0.00	173.58	162.40	194.59	189.00	5	179.97
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	174.18	165.10	192.90	188.00	4	180.26
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	174.38	166.50	197.11	189.33	4	182
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.40	195.01	189.67	3	182.51
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.10	196.11	190.33	3	182.95
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.77	189.00	2	182.55
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.48	188.34	2	181.63
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.09	187.33	2	180.04
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.81	189.00	2	182.1
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.15	187.66	2	179.76
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198.67	191.00	2	183.93
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.77	188.66	2	180.99
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.72	190.33	2	181.77
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.36	187.33	2	179.7
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.14	187.33	2	180.06
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.50	187.34	2	180.23
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.96	187.34	2	179.98
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.83	187.67	2	180.54
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.74	188.34	2	180.36
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.24	189.00	2	180.44
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.33	1	181.41
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.00	1	186.84
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.33	1	185.24
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.33	1	186.2
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.00	1	185.88
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.34	1	184.29
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.00	1	183.01
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.00	1	183.97
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.33	1	183.33
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.00	1	183.97
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.00	1	183.97
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.00	1	183.01
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.33	1	181.41
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00	1	181.09
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.33	1	179.49
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188.67	1	180.78
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.67	1	178.86
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.67	1	179.82
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.34	1	179.5
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.67	1	179.82
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.67	1	179.82
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.67	1	179.82
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.34	1	179.5
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.33	1	179.49
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	187.00	1	179.18
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.34	1	183.34
AVERAGE		169.90	176.11	182.55	182.19	178.33	185.04	174.05	165.06	194.68	189.03	10	179.69

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	37.16	28.10	33.25	26.41	33.93	34.76	29.36	31.50	26.48	27.30	10	30.83
MT910189	Hockett	35.63	28.26	33.51	26.83	33.32	33.65	30.33	31.00	27.78	27.36	10	30.85
MT970116	Craft	39.89	31.82	34.57	29.70	36.16	36.81	32.97	33.00	30.28	30.54	10	33.68
PI568246	Baronesse	34.16	25.60	32.97	24.89	31.69	32.00	29.03	32.50	27.49	27.87	10	29.9
SK 76333	Harrington	38.20	28.27	35.18	25.87	32.24	32.85	28.99	32.90	26.97	28.02	10	30.96
MT960101	Geraldine	33.81	28.30	31.73	25.59	0.00	32.87	27.60	31.20	26.83	26.87	9	29.84
6B952482	Tradition	0.00	0.00	35.67	31.52	38.73	36.89	33.89	33.30	29.91	30.76	8	34.43
MT010158	Amsterdam	0.00	0.00	0.00	26.10	32.21	31.91	29.85	30.20	28.37	27.09	7	30.36
MT010160	MT920041/Harrington	0.00	0.00	0.00	27.54	32.29	34.31	29.35	34.10	29.90	29.68	7	32.06
2B965057	Conrad	0.00	0.00	0.00	0.00	31.61	33.30	27.15	28.90	26.87	26.60	6	29.39
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	33.20	33.22	31.76	32.50	27.19	29.06	6	31.54
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	35.85	36.75	30.69	32.60	29.38	28.61	6	32.63
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	33.26	35.29	28.60	30.00	26.82	27.75	6	30.57
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	34.33	33.58	31.21	30.70	28.54	30.44	6	31.89
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	33.97	35.24	31.50	32.30	29.46	29.14	6	32.33
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	32.83	29.38	29.80	25.93	26.72	5	29.9
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	34.89	31.12	33.90	31.34	30.09	5	33.45
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	33.93	30.70	29.70	27.48	26.75	5	30.72
TR232	Metcalfe	0.00	0.00	0.00	0.00	31.81	0.00	32.42	32.80	31.14	28.91	5	32.79
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	29.61	30.60	27.34	27.25	4	30.91
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	27.96	30.10	26.69	26.81	4	30.04
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.10	28.28	28.39	3	31.48
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.80	31.53	29.13	3	34.22
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.69	26.99	2	31.94
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.76	29.51	2	33.4
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.12	28.34	2	32.37
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.57	26.98	2	30.11
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.72	30.97	2	34.78
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.82	21.72	2	24.96
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.96	28.31	2	32.84
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.98	28.81	2	32.55
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.24	26.92	2	31.05
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.02	26.40	2	30.63
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.74	26.00	2	30.24
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.58	27.08	2	30.76
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.99	25.22	2	29.37
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.93	26.72	2	30.76
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.15	27.53	2	31.34
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.45	1	36.64
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.11	1	29.48
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20	1	28.45
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.32	1	27.46
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.25	1	30.77
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.49	1	28.78
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.02	1	33.9
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.54	1	29.97
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.02	1	30.51
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.93	1	29.28
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.51	1	29.93
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.26	1	30.78
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.47	1	35.53
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.89	1	31.49
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.89	1	34.88
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.23	1	35.26
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.88	1	30.35
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.76	1	30.22
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.93	1	29.28
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.24	1	29.63
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.24	1	30.76
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.42	1	29.83
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.46	1	29.88
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.44	1	29.85
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.40	1	32.07
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.35	1	28.62
AVERAGE		36.48	28.39	33.84	27.16	33.64	34.17	30.17	31.63	27.88	27.66	10	31.16

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	13.85	11.19	15.50	16.30	12.90	15.45	11.95	9.00	11.54	11.89	10	12.96
MT910189	Hockett	13.65	12.15	15.35	16.45	13.90	14.75	12.21	9.50	11.43	11.54	10	13.14
MT970116	Craft	14.45	11.84	15.50	17.20	14.25	14.60	12.67	9.30	11.69	11.92	10	13.37
PI568246	Baronesse	14.80	12.08	16.15	16.90	13.15	16.10	12.68	9.60	11.73	11.64	10	13.49
SK 76333	Harrington	14.70	12.63	16.75	17.55	14.20	15.95	12.50	9.70	11.43	11.61	10	13.7
MT960101	Geraldine	14.95	12.89	16.25	18.15	0.00	15.75	13.12	9.60	12.05	10.97	9	13.74
6B952482	Tradition	0.00	0.00	16.65	16.95	12.95	16.05	11.98	9.50	12.28	11.74	8	13.39
MT010158	Amsterdam	0.00	0.00	0.00	17.80	13.70	16.05	12.46	10.20	12.24	12.00	7	13.77
MT010160	MT920041/Harrington	0.00	0.00	0.00	18.00	14.00	15.95	12.64	9.40	12.05	11.25	7	13.54
2B965057	Conrad	0.00	0.00	0.00	0.00	14.80	16.15	12.80	10.10	12.94	11.53	6	13.99
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	14.00	14.95	11.89	9.30	11.47	11.78	6	13.1
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	13.95	15.15	12.53	9.60	12.23	12.00	6	13.49
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	14.25	15.80	12.77	10.00	12.58	12.47	6	13.92
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	13.55	16.15	12.92	9.70	11.94	11.34	6	13.48
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	13.85	15.75	12.61	9.70	12.58	11.67	6	13.6
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	14.85	11.81	8.80	10.63	10.44	5	12.25
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	13.95	12.21	9.30	11.46	11.44	5	12.73
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	15.05	11.94	10.10	11.48	12.22	5	13.26
TR232	Metcalfe	0.00	0.00	0.00	0.00	15.05	0.00	12.69	9.70	12.28	11.69	5	13.87
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	12.49	9.60	12.04	12.57	4	13.64
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	12.25	9.50	11.59	11.27	4	13.06
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	10.88	11.10	3	12.57
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.10	10.97	11.05	3	12.49
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.99	11.85	2	13.19
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.73	11.43	2	12.81
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.68	11.44	2	12.79
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.02	11.70	2	13.12
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.37	11.15	2	12.46
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.46	11.86	2	12.9
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	11.04	2	12.42
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.77	11.24	2	12.73
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.78	11.84	2	13.06
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.38	11.02	2	12.39
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.64	10.79	2	12.41
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	11.84	2	12.88
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.78	10.97	2	12.59
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.85	11.56	2	12.95
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.38	10.90	2	11.77
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.94	1	11.92
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.01	1	13.09
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.37	1	12.39
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.59	1	12.63
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.86	1	12.92
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.08	1	14.25
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	1	12.55
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.63	1	12.67
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.96	1	13.03
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.13	1	13.22
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.96	1	13.03
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.89	1	11.87
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.40	1	15.69
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.46	1	12.49
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.03	1	13.11
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.48	1	12.51
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	1	13.08
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.91	1	11.89
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.62	1	12.66
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.24	1	12.25
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.92	1	11.9
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.15	1	12.15
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.42	1	12.44
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41	1	12.43
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.97	1	11.95
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.38	1	13.49
AVERAGE		14.40	12.13	16.02	17.26	13.90	15.47	12.43	9.55	11.72	11.60	10	13.46

ID	PEDIGREE	# Yrs	Yield (bu/ac)	# Yrs	Test Wt (lbs/bu)	# Yrs	Plump (%)	# Yrs	Protein (%)	# Yrs	Heading Date	# Yrs	Plant Ht (in)
MT950186	Haxby	10	126.34	10	54.22	10	85.74	10	11.96	9	183.56	10	31.89
MT910189	Hockett	10	116.85	10	53.56	10	87.66	10	12.29	9	181.88	10	31.79
MT970116	Craft	10	125.21	10	54.24	10	87.23	10	12.03	9	183.36	10	35.53
PI568246	Baronesse	10	127.23	10	52.52	10	80.33	10	12.47	9	185.02	10	30.78
SK 76333	Harrington	10	116.41	10	50.85	10	75.73	10	12.44	9	184.93	10	32.58
MT960101	Geraldine	9	126.27	9	52.34	9	69.36	9	12.21	8	185.36	9	31.42
6B952482	Tradition	8	108.94	8	51.66	8	91.69	8	12.53	7	182.41	8	35.77
MT010158	Amsterdam	7	122.95	7	53.52	7	87.96	7	12.52	6	183.48	7	32.46
MT010160	MT920041/Harrington	7	117.57	7	53.91	7	85.35	7	12.21	6	184.94	7	33.24
2B965057	Conrad	6	129.23	6	52.5	6	85.13	6	12.62	5	184.85	6	31.84
MT020155	MT960225/H1851195	6	123.19	6	52.72	6	83.07	6	12.19	5	180.99	6	32.32
MT020162	MT960225/H1851195	6	129.97	6	53.71	6	85.95	6	12.45	5	185.01	6	34.22
MT020167	MT960225/H3860224	6	114.18	6	52.83	6	84.88	6	12.62	5	183.74	6	32.96
MT020204	MTLB 32/H1851195	6	124.11	6	53.55	6	81.21	6	12.58	5	182.29	6	33.33
MT020205	MTLB 32/H1851195	6	128.51	6	53.25	6	85.4	6	12.32	5	182.21	6	33.33
MT030042	MT910189/MT960099	5	115.97	5	53.58	5	77.62	5	10.88	4	183.22	5	31.25
MT030063	MT950155/Harrington	5	129.61	5	54.32	5	89.52	5	11.69	4	185.31	5	34.56
MT030079	MT950186/MT960225	5	129.02	5	54.38	5	82.63	5	11.72	4	184.16	5	31.91
TR232	Metcalfe	5	110.99	5	51.85	5	80.28	5	12.54	4	184.02	5	33.9
MT040073	MT960045/Harrington	4	126	4	54.82	4	86.48	4	12.52	3	184.14	4	32.89
MT040209	MT960228/MT950186	4	133.94	4	53.32	4	80.99	4	11.93	3	184.72	4	32.53
MT050030	GS 1750/Bearpaw	3	135.52	3	53.29	3	87.08	3	11.32	3	185.83	3	34.28
MT050062	Harrington/MT960225	3	128.54	3	54.2	3	86.44	3	10.99	3	186.02	3	36.48
MT061032	Baronesse/MT981210	2	134.98	2	53.47	2	86.3	2	11.89	2	184.67	2	34.15
MT061035	Baronesse/MT981210	2	141.58	2	53.58	2	85.4	2	12.09	2	184.67	2	36.62
MT061104	Harrington/MT970229	2	124.59	2	53.66	2	88.71	2	11.85	2	184.07	2	34.7
MT061169	MT960101/Coors 37	2	131.95	2	54.18	2	82.21	2	12.53	2	184.86	2	33.22
MT070063	MT010178/MT970116	2	131.4	2	54.16	2	85.56	2	11.56	2	183.92	2	38.01
MT070086	MT970148/Coors37	2	131.09	2	52.98	2	85.78	2	11.89	2	185.58	2	26.87
MT070111	MT010178/Harrington	2	123.57	2	53.08	2	84.01	2	11.94	2	184.7	2	34.22
MT070125	MT981210/MT970116	2	127.75	2	53.95	2	86.62	2	11.67	2	185.8	2	35.4
MT070148	MT990172/Metcalfe	2	121.07	2	53.87	2	89.41	2	12.22	2	183.8	2	34.27
MT070156	MT970148/Klages	2	130.58	2	53.11	2	87.84	2	11.96	2	183.38	2	30.48
MT070157	MT970148/Klages	2	136.38	2	53.75	2	87.43	2	12.02	2	182.27	2	31.12
MT070158	MT970148/Klages	2	129.02	2	54.71	2	87.6	2	12.03	2	183.85	2	31.73
MT070159	MT970148/Klages	2	127.86	2	53.63	2	85.88	2	11.9	2	182.59	2	32.34
MT070161	MT970148/Klages	2	131.22	2	54.07	2	87.89	2	11.97	2	182.98	2	32.26
MT070175	LK644///Hockett F5	2	127.59	2	53.27	2	87.24	2	10.74	2	184.62	2	35.68
COPELAND	Copeland	1	128.82	1	53.27	1	88.47	1	11.34	1	185.02	1	37.56
EM090117	03013-25	1	149.04	1	54.44	1	91.2	1	11.92	1	189.03	1	30.87
EM090128	03021-03	1	148.35	1	53.41	1	85.59	1	11.29	1	187.8	1	28.7
EM090130	03021-35	1	138.37	1	54.88	1	90.9	1	11.35	1	188.34	1	27.24
EM090134	03021-74	1	138.19	1	53.02	1	86.82	1	11.68	1	187.24	1	31.41
MT080001	Amulet/Metcalfe	1	124.85	1	54	1	90.57	1	12.56	1	187.41	1	29.82
MT080017	Amulet/MT960101	1	130.63	1	54.92	1	88.67	1	11.39	1	186.55	1	36.04
MT080077	Coors/Kendall	1	146.58	1	54.83	1	90.13	1	11.76	1	187.23	1	32.43
MT080081	Coors/Metcalfe	1	137.04	1	54.88	1	88.38	1	12.23	1	187.89	1	32.19
MT080083	Coors/Metcalfe	1	141.62	1	54.96	1	89.94	1	11.83	1	186.3	1	32.04
MT080084	Coors/Metcalfe	1	131.71	1	54.36	1	90.64	1	11.95	1	187.57	1	29.25
MT080085	Coors/Metcalfe	1	129.6	1	52.24	1	80.36	1	11.51	1	184.78	1	33.26
MT080100	Karma	1	80.73	1	64.59	1	85.4	1	14.07	1	187.61	1	37.1
MT080172	Klages/Stratus	1	125.12	1	52.58	1	83.54	1	11.72	1	183.21	1	33.57
MT080179	Metcalfe/MT990106	1	125.12	1	55.44	1	89.2	1	12.21	1	184.27	1	38.43
MT080243	MT960101/MT981210	1	127.53	1	53.27	1	83.61	1	11.41	1	185.7	1	36.78
MT080261	MT970026/MT981091	1	117.48	1	54.2	1	78.75	1	11.63	1	184.1	1	31.63
MT080274	MT970148/Conlon	1	128.12	1	52.76	1	87.91	1	11.49	1	181.55	1	30.89
MT080277	MT970148/Merit	1	120.36	1	53.05	1	86.34	1	11.85	1	182.53	1	30.08
MT080279	MT970148/MT970116	1	133.56	1	53.93	1	86.36	1	11.44	1	182.92	1	29.63
MT080281	MT970148/MT970116	1	126.26	1	53.87	1	87.44	1	11.41	1	182.6	1	29.95
MT080283	MT970148MT970116	1	127.22	1	54.03	1	88.9	1	11.76	1	182.85	1	30.45
MT080284	MT970148/MT970116	1	136.17	1	54.44	1	86.62	1	11.61	1	182.86	1	30.99
MT080285	MT970148/MT970116	1	139.13	1	54.28	1	86.77	1	11.96	1	183.34	1	31.29
PI643354	Pinnacle	1	104.15	1	52.81	1	89.77	1	10.86	1	181.6	1	34.51
SCARLETT	Scarlett	1	140.55	1	53.6	1	89.95	1	11.91	1	187.05	1	30.6
AVERAGE		10	124.03	10	53.06	10	82.99	10	12.29	9	183.79	10	32.56

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	155.73	131.37	98.35	127.15	144.79	120.48	128.02	103.40	151.59	102.55	10	126.34
MT910189	Hockett	143.93	134.10	97.45	115.28	136.36	115.74	126.78	84.90	114.17	96.29	10	116.85
MT970116	Craft	156.43	143.29	102.07	121.25	138.74	119.13	121.16	105.90	141.36	99.80	10	125.21
PI568246	Baronesse	163.07	127.29	98.15	126.15	136.05	117.98	124.84	113.30	150.66	110.81	10	127.23
SK 76333	Harrington	139.57	138.40	90.65	120.44	125.62	99.36	115.45	92.90	144.02	97.66	10	116.41
MT960101	Geraldine	161.30	142.84	104.20	122.42	0.00	109.00	113.95	106.30	149.19	106.91	9	126.27
6B952482	Tradition	0.00	0.00	75.22	113.84	131.14	111.36	116.97	83.80	127.73	86.27	8	108.94
MT010158	Amsterdam	0.00	0.00	0.00	123.02	146.83	125.63	116.95	104.60	126.61	105.33	7	122.95
MT010160	MT920041/Harrington	0.00	0.00	0.00	123.93	144.85	119.84	114.85	94.40	128.74	90.71	7	117.57
2B965057	Conrad	0.00	0.00	0.00	0.00	147.82	114.84	121.65	110.10	144.55	122.48	6	129.23
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	142.35	120.91	129.03	101.80	148.20	91.64	6	123.19
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	145.38	126.55	127.15	108.50	150.64	110.93	6	129.97
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	136.48	113.50	115.21	87.20	129.41	96.46	6	114.18
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	144.26	114.80	124.28	108.20	143.39	100.65	6	124.11
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	147.60	115.78	126.18	113.80	146.17	109.96	6	128.51
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	120.11	115.69	103.30	131.89	84.06	5	115.97
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	124.23	124.70	106.40	156.68	108.86	5	129.61
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	124.05	131.79	102.20	156.09	105.52	5	129.02
TR232	Metcalfe	0.00	0.00	0.00	0.00	131.54	0.00	116.90	87.10	127.94	90.68	5	110.99
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	126.64	107.70	143.93	103.47	4	126
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	122.08	114.50	149.87	122.13	4	133.94
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.50	164.38	108.21	3	135.52
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.30	159.21	103.83	3	128.54
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.25	107.33	2	134.98
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.63	121.17	2	141.58
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	149.52	101.10	2	124.59
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.02	116.77	2	131.95
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.38	109.55	2	131.4
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.58	117.70	2	131.09
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.68	98.66	2	123.57
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.18	105.79	2	127.75
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139.89	101.91	2	121.07
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	151.89	109.23	2	130.58
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.76	111.28	2	136.38
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.54	112.34	2	129.02
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.61	110.41	2	127.86
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.59	113.18	2	131.22
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156.77	101.07	2	127.59
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.56	1	128.82
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.97	1	149.04
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.41	1	148.35
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.31	1	138.37
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.17	1	138.19
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.34	1	124.85
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.03	1	130.63
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.98	1	146.58
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.23	1	137.04
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.95	1	141.62
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.91	1	131.71
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.19	1	129.6
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.53	1	80.73
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.56	1	125.12
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.56	1	125.12
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.51	1	127.53
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.36	1	117.48
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.99	1	128.12
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.69	1	120.36
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.41	1	133.56
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.48	1	126.26
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.26	1	127.22
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.53	1	136.17
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.93	1	139.13
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.54	1	104.15
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.08	1	140.55
AVERAGE		153.34	136.21	95.16	121.50	139.99	117.40	121.92	102.35	145.97	105.21	10	124.03

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	55.65	55.00	55.05	53.40	55.75	53.25	55.62	54.30	53.52	50.71	10	54.22
MT910189	Hockett	54.85	52.35	54.00	54.75	55.10	52.70	54.63	53.90	52.37	50.82	10	53.56
MT970116	Craft	55.15	55.00	54.90	53.85	55.15	53.25	55.28	53.40	54.09	52.20	10	54.24
PI568246	Baronesse	54.15	51.90	53.05	52.25	52.10	50.45	53.57	53.50	52.91	51.06	10	52.52
SK 76333	Harrington	52.25	50.65	53.35	49.55	51.90	47.10	52.45	52.20	50.96	48.13	10	50.85
MT960101	Geraldine	54.00	53.40	53.60	52.10	0.00	49.35	53.21	51.20	52.96	49.71	9	52.34
6B952482	Tradition	0.00	0.00	51.80	52.10	52.60	48.80	52.33	53.30	51.03	49.18	8	51.66
MT010158	Amsterdam	0.00	0.00	0.00	54.15	55.05	51.45	54.83	53.30	52.22	50.62	7	53.52
MT010160	MT920041/Harrington	0.00	0.00	0.00	53.50	55.10	51.40	54.50	53.30	53.95	52.43	7	53.91
2B965057	Conrad	0.00	0.00	0.00	0.00	54.15	50.55	53.24	53.40	51.10	50.35	6	52.5
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	54.15	52.40	54.02	52.80	51.04	49.72	6	52.72
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	54.55	52.35	54.56	53.40	53.62	51.49	6	53.71
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	53.45	51.95	54.20	53.10	52.37	49.73	6	52.83
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	54.00	52.90	54.82	53.80	52.87	50.67	6	53.55
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	55.05	52.35	54.46	53.40	52.64	49.45	6	53.25
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	52.75	55.19	53.90	52.13	50.24	5	53.58
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	53.20	55.09	53.90	53.76	51.83	5	54.32
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	52.50	55.05	54.60	53.63	52.29	5	54.38
TR232	Metcalfe	0.00	0.00	0.00	0.00	52.05	0.00	52.70	52.60	51.22	49.38	5	51.85
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	55.19	54.40	54.10	52.70	4	54.82
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	53.33	53.90	52.34	50.91	4	53.32
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.70	53.30	49.78	3	53.29
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.90	53.93	50.62	3	54.2
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.51	49.31	2	53.47
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.79	50.20	2	53.58
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.47	49.70	2	53.66
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.48	51.62	2	54.18
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.72	51.35	2	54.16
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.20	50.58	2	52.98
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.55	50.44	2	53.08
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.90	50.79	2	53.95
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.66	50.86	2	53.87
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.12	50.90	2	53.11
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.64	51.61	2	53.75
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	51.55	2	54.71
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.27	50.78	2	53.63
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.25	51.62	2	54.07
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.40	49.99	2	53.27
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.82	1	53.27
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.91	1	54.44
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.95	1	53.41
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.32	1	54.88
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.58	1	53.02
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.50	1	54
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.36	1	54.92
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.28	1	54.83
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.32	1	54.88
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.40	1	54.96
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.84	1	54.36
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.85	1	52.24
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.40	1	64.59
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.17	1	52.58
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.85	1	55.44
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.82	1	53.27
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.69	1	54.2
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.34	1	52.76
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.61	1	53.05
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.43	1	53.93
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.38	1	53.87
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.53	1	54.03
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.91	1	54.44
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.76	1	54.28
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.39	1	52.81
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.13	1	53.6
AVERAGE		54.34	53.05	53.68	52.85	54.01	51.59	54.20	53.40	52.60	50.72	10	53.06

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	73.20	76.40	98.25	87.75	89.50	72.40	88.75	90.10	89.41	91.65	10	85.74
MT910189	Hockett	84.30	72.90	92.35	93.10	87.65	82.20	94.49	91.30	86.38	87.80	10	87.66
MT970116	Craft	79.25	82.55	97.35	85.60	91.50	74.85	90.99	85.90	89.17	92.72	10	87.23
PI568246	Baronesse	73.90	53.65	91.05	81.85	67.10	78.45	84.87	89.20	88.59	94.12	10	80.33
SK 76333	Harrington	60.15	64.55	92.65	66.85	77.60	51.75	86.85	82.50	87.29	92.42	10	75.73
MT960101	Geraldine	58.70	59.85	88.80	76.80	0.00	31.95	74.57	70.00	81.01	87.18	9	69.36
6B952482	Tradition	0.00	0.00	96.60	93.40	98.10	94.00	97.56	87.90	91.92	92.61	8	91.69
MT010158	Amsterdam	0.00	0.00	0.00	90.15	92.80	76.00	94.79	86.90	90.26	93.97	7	87.96
MT010160	MT920041/Harrington	0.00	0.00	0.00	88.25	91.25	68.25	91.08	84.20	90.55	94.09	7	85.35
2B965057	Conrad	0.00	0.00	0.00	0.00	88.30	67.30	90.50	90.60	90.00	92.52	6	85.13
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	82.75	72.95	89.61	88.40	81.73	89.43	6	83.07
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	91.70	71.20	89.96	84.90	90.71	94.98	6	85.95
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	78.65	77.40	89.70	90.70	87.93	90.83	6	84.88
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	70.75	67.50	91.06	88.00	86.46	90.79	6	81.21
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	86.70	75.35	92.28	88.90	86.16	89.48	6	85.4
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	64.60	85.71	85.10	75.54	80.59	5	77.62
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	76.75	94.27	94.10	91.24	94.68	5	89.52
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	61.75	85.91	89.50	88.05	93.45	5	82.63
TR232	Metcalfe	0.00	0.00	0.00	0.00	72.95	0.00	85.98	85.50	85.18	91.29	5	80.28
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	89.50	89.70	89.48	94.36	4	86.48
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	79.65	85.40	84.73	90.30	4	80.99
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	91.31	93.08	3	87.08
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.10	90.63	93.65	3	86.44
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.99	94.30	2	86.3
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.65	93.76	2	85.4
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.18	95.16	2	88.71
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.93	87.67	2	82.21
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.86	93.88	2	85.56
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.12	94.08	2	85.78
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.54	89.86	2	84.01
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.89	92.01	2	86.62
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.07	96.76	2	89.41
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.10	95.43	2	87.84
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.69	94.98	2	87.43
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.61	95.42	2	87.6
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.51	92.87	2	85.88
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.67	94.96	2	87.89
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.46	93.77	2	87.24
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.57	1	88.47
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.49	1	91.2
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.49	1	85.59
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.16	1	90.9
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.80	1	86.82
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.81	1	90.57
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.78	1	88.67
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.34	1	90.13
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.47	1	88.38
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.14	1	89.94
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.89	1	90.64
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.90	1	80.36
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.29	1	85.4
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.30	1	83.54
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.35	1	89.2
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.37	1	83.61
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.18	1	78.75
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.97	1	87.91
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.29	1	86.34
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.31	1	86.36
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.47	1	87.44
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.03	1	88.9
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.59	1	86.62
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.75	1	86.77
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.96	1	89.77
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.15	1	89.95
AVERAGE		71.58	68.32	93.86	84.86	84.49	70.26	88.96	87.34	88.16	92.81	10	82.99

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	176.00	177.00	182.96	182.36	182.22	186.64	181.80	192.00	191.10	9	183.56
MT910189	Hockett	171.67	176.00	181.07	181.30	179.77	185.32	181.50	192.10	188.30	9	181.88
MT970116	Craft	174.33	176.67	183.64	182.63	180.40	186.94	182.10	191.94	191.71	9	183.36
PI568246	Baronesse	176.67	178.00	184.62	183.36	183.30	189.16	183.50	193.33	193.31	9	185.02
SK 76333	Harrington	176.33	177.00	185.22	183.42	183.04	188.92	183.80	193.45	193.33	9	184.93
MT960101	Geraldine	176.00	178.33	185.29	184.62	0.00	189.28	184.10	193.88	192.80	8	185.36
6B952482	Tradition	0.00	0.00	182.05	181.12	179.57	185.24	181.90	189.67	191.38	7	182.41
MT010158	Amsterdam	0.00	0.00	0.00	182.04	180.39	187.04	183.70	192.40	190.04	6	183.48
MT010160	MT920041/Harrington	0.00	0.00	0.00	183.09	182.71	188.53	183.90	192.94	193.31	6	184.94
2B965057	Conrad	0.00	0.00	0.00	0.00	182.38	187.96	183.20	194.56	192.25	5	184.85
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	178.30	182.97	180.10	190.93	188.44	5	180.99
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	182.01	188.66	184.10	193.17	193.21	5	185.01
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	181.31	187.04	182.40	192.30	191.62	5	183.74
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	178.45	185.84	181.30	191.45	190.30	5	182.29
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	179.81	185.66	182.00	190.78	188.60	5	182.21
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	186.67	182.00	192.35	189.07	4	183.22
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	188.72	182.80	193.35	193.85	4	185.31
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	187.78	182.50	191.09	192.57	4	184.16
TR232	Metcalfe	0.00	0.00	0.00	0.00	182.35	0.00	182.70	192.49	191.44	4	184.02
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	183.40	191.87	191.33	3	184.14
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	182.90	193.29	192.27	3	184.72
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	184.00	193.84	194.04	3	185.83
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	185.00	192.75	194.67	3	186.02
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.68	192.73	2	184.67
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.87	192.53	2	184.67
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.16	191.99	2	184.07
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.51	192.30	2	184.86
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.78	192.06	2	183.92
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.04	193.26	2	185.58
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.85	192.61	2	184.7
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.07	194.70	2	185.8
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.67	191.92	2	183.8
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.75	189.96	2	183.38
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.91	188.49	2	182.27
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.52	191.17	2	183.85
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.10	188.97	2	182.59
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.20	189.68	2	182.98
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.42	192.88	2	184.62
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.62	1	185.02
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.79	1	189.03
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.51	1	187.8
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.07	1	188.34
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.93	1	187.24
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.10	1	187.41
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.21	1	186.55
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.92	1	187.23
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.60	1	187.89
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.95	1	186.3
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.27	1	187.57
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.37	1	184.78
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.31	1	187.61
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.73	1	183.21
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.83	1	184.27
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.32	1	185.7
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191.66	1	184.1
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.00	1	181.55
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.02	1	182.53
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.43	1	182.92
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.10	1	182.6
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.36	1	182.85
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.37	1	182.86
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.87	1	183.34
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.05	1	181.6
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.73	1	187.05
AVERAGE		175.17	177.17	183.55	182.66	181.07	187.13	182.81	192.49	192.18	9	183.79

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	37.66	28.73	34.51	30.57	38.67	35.06	32.10	29.60	24.66	27.30	10	31.89
MT910189	Hockett	38.06	28.06	31.03	31.62	35.42	32.81	33.87	30.90	26.09	28.44	10	31.79
MT970116	Craft	42.13	31.37	37.99	34.13	41.66	38.91	35.65	31.60	29.56	31.44	10	35.53
PI568246	Baronesse	35.56	26.66	32.61	29.41	36.55	30.32	31.91	31.30	24.95	27.35	10	30.78
SK 76333	Harrington	40.03	28.20	34.51	30.64	38.26	34.61	32.91	30.10	27.04	28.84	10	32.58
MT960101	Geraldine	35.70	29.55	33.63	29.94	0.00	32.61	32.50	27.10	25.62	28.43	9	31.42
6B952482	Tradition	0.00	0.00	37.17	35.25	43.51	40.32	33.71	32.90	28.11	31.89	8	35.77
MT010158	Amsterdam	0.00	0.00	0.00	31.85	37.10	34.54	31.73	30.50	27.02	28.00	7	32.46
MT010160	MT920041/Harrington	0.00	0.00	0.00	32.28	36.79	34.23	33.92	31.30	27.92	29.13	7	33.24
2B965057	Conrad	0.00	0.00	0.00	0.00	36.99	33.53	30.75	29.60	25.99	29.14	6	31.84
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	36.60	34.10	33.02	31.40	26.66	27.07	6	32.32
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	40.70	36.09	34.39	30.50	28.23	30.31	6	34.22
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	38.53	36.19	33.85	30.90	24.70	29.33	6	32.96
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	37.85	34.97	33.01	31.60	28.61	28.35	6	33.33
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	36.90	36.31	32.40	31.00	27.96	29.77	6	33.33
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	32.95	31.18	30.20	25.43	25.60	5	31.25
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	36.02	34.56	32.50	28.21	29.31	5	34.56
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	35.49	31.83	28.60	24.92	27.95	5	31.91
TR232	Metcalfe	0.00	0.00	0.00	0.00	38.70	0.00	32.87	30.60	29.16	29.33	5	33.9
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	30.91	31.40	26.05	28.56	4	32.89
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	31.21	28.70	26.37	29.19	4	32.53
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.20	27.40	28.93	3	34.28
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.80	30.41	30.70	3	36.48
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.32	28.23	2	34.15
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.38	30.18	2	36.62
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.43	27.94	2	34.7
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.73	28.40	2	33.22
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.40	32.54	2	38.01
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.41	23.41	2	26.87
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.07	27.52	2	34.22
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.44	30.24	2	35.4
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.78	29.03	2	34.27
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.56	25.01	2	30.48
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.15	26.55	2	31.12
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.18	26.46	2	31.73
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.98	26.61	2	32.34
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.58	26.92	2	32.26
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.34	29.73	2	35.68
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.16	1	37.56
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.43	1	30.87
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.57	1	28.7
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.32	1	27.24
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.89	1	31.41
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.53	1	29.82
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.86	1	36.04
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.77	1	32.43
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.56	1	32.19
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.43	1	32.04
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.04	1	29.25
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.48	1	33.26
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.76	1	37.1
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.74	1	33.57
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.90	1	38.43
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.49	1	36.78
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.08	1	31.63
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.45	1	30.89
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.75	1	30.08
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.37	1	29.63
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.64	1	29.95
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.07	1	30.45
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.53	1	30.99
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.79	1	31.29
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.55	1	34.51
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.20	1	30.6
AVERAGE		38.19	28.76	34.49	31.74	38.28	34.95	32.78	30.67	26.78	28.12	10	32.56

ID	PEDIGREE	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	# Yrs	Comp Ave
MT950186	Haxby	12.25	11.41	13.65	10.45	12.05	14.25	9.24	13.70	10.51	12.07	10	11.96
MT910189	Hockett	12.20	12.15	14.90	10.90	11.80	14.45	10.38	13.50	10.67	11.61	10	12.29
MT970116	Craft	11.90	11.70	14.25	11.00	11.80	14.05	9.64	13.50	10.44	11.86	10	12.03
PI568246	Baronesse	11.70	13.10	14.90	11.45	12.70	14.55	9.56	13.50	11.01	12.04	10	12.47
SK 76333	Harrington	11.95	12.13	14.35	12.80	12.40	14.35	9.92	13.60	10.42	12.02	10	12.44
MT960101	Geraldine	11.80	12.73	14.40	11.00	0.00	14.30	9.52	13.90	10.48	11.55	9	12.21
6B952482	Tradition	0.00	0.00	14.25	11.75	12.65	14.60	9.60	13.30	11.54	12.46	8	12.53
MT010158	Amsterdam	0.00	0.00	0.00	11.55	12.35	14.10	10.01	13.90	11.38	12.42	7	12.52
MT010160	MT920041/Harrington	0.00	0.00	0.00	11.55	11.75	14.55	9.53	13.50	10.79	12.12	7	12.21
2B965057	Conrad	0.00	0.00	0.00	0.00	12.85	14.90	9.93	14.10	11.42	12.41	6	12.62
MT020155	MT960225/H1851195	0.00	0.00	0.00	0.00	12.85	14.10	9.89	13.90	10.39	11.90	6	12.19
MT020162	MT960225/H1851195	0.00	0.00	0.00	0.00	12.85	14.70	9.96	14.00	11.12	11.99	6	12.45
MT020167	MT960225/H3860224	0.00	0.00	0.00	0.00	13.45	14.60	9.75	14.50	11.13	12.29	6	12.62
MT020204	MTLB 32/H1851195	0.00	0.00	0.00	0.00	13.80	14.70	10.11	13.70	11.01	11.98	6	12.58
MT020205	MTLB 32/H1851195	0.00	0.00	0.00	0.00	12.60	14.65	9.90	13.50	10.85	12.29	6	12.32
MT030042	MT910189/MT960099	0.00	0.00	0.00	0.00	0.00	12.60	8.84	12.80	9.60	10.40	5	10.88
MT030063	MT950155/Harrington	0.00	0.00	0.00	0.00	0.00	13.20	9.70	13.50	10.56	11.10	5	11.69
MT030079	MT950186/MT960225	0.00	0.00	0.00	0.00	0.00	13.45	9.45	13.20	10.70	11.47	5	11.72
TR232	Metcalfe	0.00	0.00	0.00	0.00	12.75	0.00	10.06	14.30	11.22	11.91	5	12.54
MT040073	MT960045/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	9.79	14.60	10.96	12.31	4	12.52
MT040209	MT960228/MT950186	0.00	0.00	0.00	0.00	0.00	0.00	10.24	13.20	10.42	11.19	4	11.93
MT050030	GS 1750/Bearpaw	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80	10.19	11.29	3	11.32
MT050062	Harrington/MT960225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90	9.86	10.60	3	10.99
MT061032	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.71	11.70	2	11.89
MT061035	Baronesse/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.88	11.91	2	12.09
MT061104	Harrington/MT970229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.66	11.68	2	11.85
MT061169	MT960101/Coors 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.35	12.27	2	12.53
MT070063	MT010178/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.30	11.51	2	11.56
MT070086	MT970148/Coors37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.87	11.51	2	11.89
MT070111	MT010178/Harrington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.77	11.73	2	11.94
MT070125	MT981210/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.68	11.30	2	11.67
MT070148	MT990172/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.02	12.01	2	12.22
MT070156	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.70	11.85	2	11.96
MT070157	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.74	11.93	2	12.02
MT070158	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	11.93	2	12.03
MT070159	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.68	11.75	2	11.9
MT070161	MT970148/Klages	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.73	11.85	2	11.97
MT070175	LK644///Hockett F5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.66	10.59	2	10.74
COPELAND	Copeland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	1	11.34
EM090117	03013-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.03	1	11.92
EM090128	03021-03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40	1	11.29
EM090130	03021-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.46	1	11.35
EM090134	03021-74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.79	1	11.68
MT080001	Amulet/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.68	1	12.56
MT080017	Amulet/MT960101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	1	11.39
MT080077	Coors/Kendall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.87	1	11.76
MT080081	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.34	1	12.23
MT080083	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.94	1	11.83
MT080084	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.06	1	11.95
MT080085	Coors/Metcalfe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.62	1	11.51
MT080100	Karma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.20	1	14.07
MT080172	Klages/Stratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.83	1	11.72
MT080179	Metcalfe/MT990106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.32	1	12.21
MT080243	MT960101/MT981210	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	1	11.41
MT080261	MT970026/MT981091	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.74	1	11.63
MT080274	MT970148/Conlon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.60	1	11.49
MT080277	MT970148/Merit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.96	1	11.85
MT080279	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.55	1	11.44
MT080281	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.52	1	11.41
MT080283	MT970148MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.87	1	11.76
MT080284	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	1	11.61
MT080285	MT970148/MT970116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.07	1	11.96
PI643354	Pinnacle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.96	1	10.86
SCARLETT	Scarlett	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.02	1	11.91
AVERAGE		11.97	12.20	14.39	11.38	12.58	14.23	9.76	13.63	10.72	11.81	10	12.29

2000-2010 Spring Barley T-Paired Results vs Haxby **Dryland Locations (1)**

Statewide

ID	NAME	Yield			Test Wt			Plump %			Heading Date			Plant Height			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
MT910189	Hockett	-1.9	-1.8	0.074	-1.5	-10	0	6.9	4.3	0	-0.6	-2.7	0.009	-0.3	-1.6	0.121	0	0.3	0.753
MT970116	Craft	-2	-2.4	0.018	-0.9	-6.3	0	7.8	4.8	0	-0.5	-2.7	0.01	2.4	9.1	0	0.4	3.9	0
PI568246	Baronesse	2	1.7	0.103	-2.9	-14	0	-3.1	-2.3	0.028	2.8	8	0	-1.6	-6.7	0	0.6	4.7	0
MT960101	Geraldine	-3	-2	0.055	-3	-12.3	0	-13.5	-7.9	0	4.6	10.5	0	-2.1	-7.4	0	0.5	2.7	0.009
SK 76333	Harrington	-6.1	-4.7	0	-3.9	-15.7	0	0.1	0.1	0.95	2	8.5	0	-0.6	-2.6	0.013	0.6	4.5	0
6B952482	Tradition	-5.7	-4.5	0	-3.4	-18	0	-1.5	-0.7	0.476	-1.5	-4.6	0	1.9	6.2	0	0.3	2.1	0.042
MT010158	Amsterdam	-3.5	-2.7	0.011	-2.1	-10.8	0	5.3	3.1	0.003	1	4.1	0	-1	-5.2	0	1	7.3	0
MT010160	MT920041/Harrington	-0.9	-0.6	0.527	-2.4	-10.1	0	0.9	0.5	0.608	1.5	6.4	0	0.6	2.3	0.029	0.6	4.1	0
2B965057	Conrad	0.4	0.3	0.793	-3	-14.2	0	3.3	2.6	0.015	3.1	7.5	0	-1.6	-6.7	0	0.9	6.4	0
MT020155	MT960225/H1851195	2.9	2.3	0.027	-2.3	-13.3	0	1.2	1.1	0.292	-2.9	-8.4	0	0.7	2.3	0.025	0.3	2.2	0.031
MT020162	MT960225/H1851195	1	0.8	0.447	-1.8	-9	0	2.5	1.9	0.063	2.3	8.6	0	0.7	2.4	0.023	0.6	3.9	0
MT020204	MTLB 32/H1851195	1.6	0.9	0.35	-1.4	-7.1	0	-0.8	-1	0.324	-0.1	-0.5	0.653	0.2	0.8	0.413	0.6	3.9	0
MT020167	MT960225/H3860224	-2.4	-1.6	0.121	-1.3	-6.2	0	6.2	3.7	0	1.4	3.3	0.003	0.1	0.4	0.665	0.6	3.5	0.001
MT020205	MTLB 32/H1851195	0.3	0.2	0.841	-1.6	-8.6	0	3.7	2.5	0.019	-0.3	-1.2	0.254	0.6	1.8	0.075	0.9	4.3	0
MT030042	MT910189/MT960099	0.5	0.3	0.763	-0.9	-5.2	0	-4.3	-2.5	0.017	0.9	3	0.006	-1.9	-4.3	0	-0.5	-2.9	0.007
MT030063	MT950155/Harrington	0.9	0.6	0.577	-0.5	-3.2	0.003	8.2	3.6	0.001	2.2	6.3	0	1.3	4.2	0	0.1	0.6	0.53
MT030079	MT950186/MT960225	0.1	0.1	0.958	-0.5	-4.5	0	-1.8	-1.4	0.16	1.3	6.5	0	-0.3	-1.1	0.267	0.1	0.5	0.62
MT040073	MT960045/Harrington	1.6	1.1	0.269	-0.4	-2.6	0.014	-0.4	-0.4	0.722	1.4	6.9	0	-0.8	-2.8	0.009	0.3	2.9	0.008
MT040209	MT960228/MT950186	3.3	1.6	0.117	-1.7	-8.1	0	-1.9	-1.3	0.197	2.9	9.8	0	-1.3	-4.4	0	0.2	1.1	0.301
TR232	Metcalfe	-3.8	-1.8	0.081	-2.5	-9.2	0	0.1	0.1	0.956	0.5	1.8	0.083	0.6	1.1	0.296	0.8	4.3	0
MT050030	GS 1750/Bearpaw	7	3	0.007	-2	-7.7	0	4	2.2	0.04	2.4	6.2	0	-0.1	-0.2	0.845	-0.4	-2.6	0.017
MT050062	Harrington/MT960225	3.4	2.3	0.031	-1	-5.2	0	5.6	2.3	0.031	2.7	7.5	0	1.9	4.5	0	-0.3	-1.5	0.157
MT061032	Baronesse/MT981210	11.3	3.5	0.003	-2.3	-6.2	0	-4.4	-2	0.065	3.2	6.4	0	-1.5	-2.4	0.033	0.5	1.9	0.072
MT061035	Baronesse/MT981210	11.7	3.3	0.005	-2.4	-5.6	0	-1.8	-1.1	0.277	2.4	6.4	0	-0.6	-1.2	0.254	0.3	1	0.336
MT061104	Harrington/MT970229	2.5	1.1	0.282	-1.7	-7.5	0	8.4	2.7	0.018	0.5	1.7	0.114	0.4	0.7	0.49	0.2	1.2	0.26
MT061169	MT960101/Coors 37	7	2.5	0.027	-1.6	-5.1	0	0.5	0.5	0.628	2.8	6.9	0	-1.8	-4.5	0	0.5	2.4	0.03
MT070063	MT010178/MT970116	1.8	0.7	0.513	-0.8	-2.9	0.018	1.3	2.1	0.064	-0.3	-0.9	0.415	2.6	5.5	0	-0.1	-0.5	0.641
MT070086	MT970148/Coors37	10.2	2.8	0.022	-1.8	-5.3	0	0	0	0.982	4.3	5.9	0	-5.8	-7.7	0	0.2	0.5	0.626
MT070111	MT010178/Harrington	10.8	3.3	0.009	-1.1	-4.5	0.002	-3.5	-1.1	0.321	2.1	3.9	0.004	0.8	1	0.335	-0.2	-1	0.366
MT070125	MT981210/MT970116	9.7	6.2	0	-1	-3.7	0.005	1.2	2.2	0.059	2.6	8	0	1.6	2.4	0.038	0.1	0.3	0.782
MT070148	MT990172/Metcalfe	6.7	2.4	0.041	-1.5	-7.6	0	3	4.6	0.001	1.2	3.3	0.009	-0.6	-1.1	0.306	0.1	0.7	0.478
MT070156	MT970148/Klages	11.2	2.7	0.025	-1.9	-5.5	0	-1	-0.8	0.43	1.5	5.5	0	-1.7	-2.3	0.044	-0.1	-0.7	0.523
MT070157	MT970148/Klages	12.8	3.2	0.011	-1.1	-4.1	0.003	1.3	1.4	0.195	1.8	5.8	0	-1	-1.9	0.091	-0.2	-0.9	0.369
MT070158	MT970148/Klages	10.1	2.4	0.04	-1.2	-4.4	0.002	1.7	2.1	0.063	2.1	4.8	0.001	-1.4	-2.4	0.041	0.1	0.3	0.772
MT070159	MT970148/Klages	9.7	2.4	0.043	-1.6	-6	0	0.6	0.6	0.535	1.4	3.3	0.009	-2.1	-3.7	0.005	-0.2	-1	0.352
MT070161	MT970148/Klages	11.3	3.1	0.013	-1.1	-4.1	0.003	2.2	2.5	0.035	1.3	3.2	0.011	-1.5	-3.9	0.003	0	0	0.983
MT070175	LK644///Hockett F5	9	2.3	0.049	-1.8	-7	0	2	2.4	0.039	1.1	4.5	0.002	1.4	3.6	0.006	-0.8	-4	0.003
The Mean of the Reference Variety Haxby is:		74.3 N=61			52.4 N=60			68.2 N=60			171.1 N=58			27.2 N=60			13.4 N=61		

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

2000-2010 Spring BarleyT-Paired Results vs Haxby **Dryland Locations (1)**

Yield

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	72.4	61	-1.9	-1.8	0.074
MT970116	Craft	72.3	61	-2	-2.4	0.018
PI568246	Baronesse	76.3	61	2	1.7	0.103
MT960101	Geraldine	69.6	56	-3	-2	0.055
SK 76333	Harrington	68.8	56	-6.1	-4.7	0
6B952482	Tradition	70	50	-5.7	-4.5	0
MT010158	Amsterdam	74.7	44	-3.5	-2.7	0.011
MT010160	MT920041/Harrington	77.4	44	-0.9	-0.6	0.527
2B965057	Conrad	81.4	38	0.4	0.3	0.793
MT020155	MT960225/H1851195	83.8	38	2.9	2.3	0.027
MT020162	MT960225/H1851195	82	38	1	0.8	0.447
MT020204	MTLB 32/H1851195	82.6	38	1.6	0.9	0.35
MT020167	MT960225/H3860224	80.6	33	-2.4	-1.6	0.121
MT020205	MTLB 32/H1851195	83.3	33	0.3	0.2	0.841
MT030042	MT910189/MT960099	79.5	33	0.5	0.3	0.763
MT030063	MT950155/Harrington	79.9	33	0.9	0.6	0.577
MT030079	MT950186/MT960225	79.1	33	0.1	0.1	0.958
MT040073	MT960045/Harrington	80.6	27	1.6	1.1	0.269
MT040209	MT960228/MT950186	82.3	27	3.3	1.6	0.117
TR232	Metcalfe	79.8	25	-3.8	-1.8	0.081
MT050030	GS 1750/Bearpaw	81.1	21	7	3	0.007
MT050062	Harrington/MT960225	77.5	21	3.4	2.3	0.031
MT061032	Baronesse/MT981210	83.5	15	11.3	3.5	0.003
MT061035	Baronesse/MT981210	84	15	11.7	3.3	0.005
MT061104	Harrington/MT970229	74.7	15	2.5	1.1	0.282
MT061169	MT960101/Coors 37	79.3	15	7	2.5	0.027
MT070063	MT010178/MT970116	76.4	10	1.8	0.7	0.513
MT070086	MT970148/Coors37	84.8	10	10.2	2.8	0.022
MT070111	MT010178/Harrington	85.5	10	10.8	3.3	0.009
MT070125	MT981210/MT970116	84.3	10	9.7	6.2	0
MT070148	MT990172/Metcalfe	81.3	10	6.7	2.4	0.041
MT070156	MT970148/Klages	85.8	10	11.2	2.7	0.025
MT070157	MT970148/Klages	87.4	10	12.8	3.2	0.011
MT070158	MT970148/Klages	84.7	10	10.1	2.4	0.04
MT070159	MT970148/Klages	84.3	10	9.7	2.4	0.043
MT070161	MT970148/Klages	85.9	10	11.3	3.1	0.013
MT070175	LK644///Hockett F5	83.6	10	9	2.3	0.049

TheMEAN FOR THE REFERENCE VARIETY HAXBY IS: 74.3 (N=61)

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

Test Wt

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	50.9	60	-1.5	-10	0
MT970116	Craft	51.5	60	-0.9	-6.3	0
PI568246	Baronesse	49.6	60	-2.9	-14	0
MT960101	Geraldine	49.3	55	-3	-12.3	0
SK 76333	Harrington	48.6	55	-3.9	-15.7	0
6B952482	Tradition	49	50	-3.4	-18	0
MT010158	Amsterdam	50.7	44	-2.1	-10.8	0
MT010160	MT920041/Harrington	50.3	44	-2.4	-10.1	0
2B965057	Conrad	50.1	38	-3	-14.2	0
MT020155	MT960225/H1851195	50.8	38	-2.3	-13.3	0
MT020162	MT960225/H1851195	51.3	38	-1.8	-9	0
MT020204	MTLB 32/H1851195	51.7	38	-1.4	-7.1	0
MT020167	MT960225/H3860224	51.9	33	-1.3	-6.2	0
MT020205	MTLB 32/H1851195	51.6	33	-1.6	-8.6	0
MT030042	MT910189/MT960099	52.1	33	-0.9	-5.2	0
MT030063	MT950155/Harrington	52.5	33	-0.5	-3.2	0.003
MT030079	MT950186/MT960225	52.5	33	-0.5	-4.5	0
MT040073	MT960045/Harrington	52.9	27	-0.4	-2.6	0.014
MT040209	MT960228/MT950186	51.6	27	-1.7	-8.1	0
TR232	Metcalfe	50.8	25	-2.5	-9.2	0
MT050030	GS 1750/Bearpaw	51	21	-2	-7.7	0
MT050062	Harrington/MT960225	51.9	21	-1	-5.2	0
MT061032	Baronesse/MT981210	50.4	15	-2.3	-6.2	0
MT061035	Baronesse/MT981210	50.4	15	-2.4	-5.6	0
MT061104	Harrington/MT970229	51	15	-1.7	-7.5	0
MT061169	MT960101/Coors 37	51.1	15	-1.6	-5.1	0
MT070063	MT010178/MT970116	52.1	10	-0.8	-2.9	0.018
MT070086	MT970148/Coors37	51.1	10	-1.8	-5.3	0
MT070111	MT010178/Harrington	51.7	10	-1.1	-4.5	0.002
MT070125	MT981210/MT970116	51.9	10	-1	-3.7	0.005
MT070148	MT990172/Metcalfe	51.4	10	-1.5	-7.6	0
MT070156	MT970148/Klages	51	10	-1.9	-5.5	0
MT070157	MT970148/Klages	51.8	10	-1.1	-4.1	0.003
MT070158	MT970148/Klages	51.7	10	-1.2	-4.4	0.002
MT070159	MT970148/Klages	51.3	10	-1.6	-6	0
MT070161	MT970148/Klages	51.8	10	-1.1	-4.1	0.003
MT070175	LK644///Hockett F5	51.1	10	-1.8	-7	0

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 52.4 (N=60)

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

2000-2010 Spring Barley T-Paired Results vs Haxby **Dryland Locations (1)**

Plump %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	76.2	59	6.9	4.3	0
MT970116	Craft	77.1	59	7.8	4.8	0
PI568246	Baronesse	66.2	59	-3.1	-2.3	0.028
MT960101	Geraldine	55.2	54	-13.5	-7.9	0
SK 76333	Harrington	69.8	54	0.1	0.1	0.95
6B952482	Tradition	68	48	-1.5	-0.7	0.476
MT010158	Amsterdam	74.5	43	5.3	3.1	0.003
MT010160	MT920041/Harrington	70.1	43	0.9	0.5	0.608
2B965057	Conrad	76.2	38	3.3	2.6	0.015
MT020155	MT960225/H1851195	74.1	38	1.2	1.1	0.292
MT020162	MT960225/H1851195	75.4	38	2.5	1.9	0.063
MT020204	MTLB 32/H1851195	72.1	38	-0.8	-1	0.324
MT020167	MT960225/H3860224	80.2	33	6.2	3.7	0
MT020205	MTLB 32/H1851195	77.7	33	3.7	2.5	0.019
MT030042	MT910189/MT960099	68	33	-4.3	-2.5	0.017
MT030063	MT950155/Harrington	80.5	33	8.2	3.6	0.001
MT030079	MT950186/MT960225	70.5	33	-1.8	-1.4	0.16
MT040073	MT960045/Harrington	73.1	27	-0.4	-0.4	0.722
MT040209	MT960228/MT950186	71.7	27	-1.9	-1.3	0.197
TR232	Metcalfe	79.4	25	0.1	0.1	0.956
MT050030	GS 1750/Bearpaw	82.7	21	4	2.2	0.04
MT050062	Harrington/MT960225	84.4	21	5.6	2.3	0.031
MT061032	Baronesse/MT981210	79.4	15	-4.4	-2	0.065
MT061035	Baronesse/MT981210	82	15	-1.8	-1.1	0.277
MT061104	Harrington/MT970229	92.1	15	8.4	2.7	0.018
MT061169	MT960101/Coors 37	84.3	15	0.5	0.5	0.628
MT070063	MT010178/MT970116	94.1	10	1.3	2.1	0.064
MT070086	MT970148/Coors37	92.8	10	0	0	0.982
MT070111	MT010178/Harrington	89.3	10	-3.5	-1.1	0.321
MT070125	MT981210/MT970116	94	10	1.2	2.2	0.059
MT070148	MT990172/Metcalfe	95.8	10	3	4.6	0.001
MT070156	MT970148/Klages	91.8	10	-1	-0.8	0.43
MT070157	MT970148/Klages	94.1	10	1.3	1.4	0.195
MT070158	MT970148/Klages	94.6	10	1.7	2.1	0.063
MT070159	MT970148/Klages	93.4	10	0.6	0.6	0.535
MT070161	MT970148/Klages	95	10	2.2	2.5	0.035
MT070175	LK644///Hockett F5	94.8	10	2	2.4	0.039

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 68.2 (N=60)

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

2000-2010 Spring Barley T-Paired Results vs Haxby **Dryland Locations(1)**

Heading Date

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	173.5	57	-0.6	-2.7	0.009
MT970116	Craft	173.5	57	-0.5	-2.7	0.01
PI568246	Baronesse	176.8	57	2.8	8	0
MT960101	Geraldine	175	53	4.6	10.5	0
SK 76333	Harrington	175.6	52	2	8.5	0
6B952482	Tradition	172.5	47	-1.5	-4.6	0
MT010158	Amsterdam	173.7	42	1	4.1	0
MT010160	MT920041/Harrington	174.2	42	1.5	6.4	0
MT020162	MT960225/H1851195	169.4	37	2.3	8.6	0
MT020204	MTLB 32/H1851195	166.9	37	-0.1	-0.5	0.653
2B965057	Conrad	174.8	36	3.1	7.5	0
MT020155	MT960225/H1851195	168.8	36	-2.9	-8.4	0
MT030042	MT910189/MT960099	166.2	32	0.9	3	0.006
MT020167	MT960225/H3860224	171.9	31	1.4	3.3	0.003
MT020205	MTLB 32/H1851195	170.2	31	-0.3	-1.2	0.254
MT030063	MT950155/Harrington	172.9	31	2.2	6.3	0
MT030079	MT950186/MT960225	172	31	1.3	6.5	0
MT040073	MT960045/Harrington	163.9	26	1.4	6.9	0
MT040209	MT960228/MT950186	171.9	25	2.9	9.8	0
TR232	Metcalfe	175.7	24	0.5	1.8	0.083
MT050030	GS 1750/Bearpaw	178.7	21	2.4	6.2	0
MT050062	Harrington/MT960225	179	21	2.7	7.5	0
MT061032	Baronesse/MT981210	182	15	3.2	6.4	0
MT061035	Baronesse/MT981210	181.2	15	2.4	6.4	0
MT061104	Harrington/MT970229	179.3	15	0.5	1.7	0.114
MT061169	MT960101/Coors 37	181.6	15	2.8	6.9	0
MT070063	MT010178/MT970116	178.4	10	-0.3	-0.9	0.415
MT070086	MT970148/Coors37	183	10	4.3	5.9	0
MT070111	MT010178/Harrington	180.7	10	2.1	3.9	0.004
MT070125	MT981210/MT970116	181.2	10	2.6	8	0
MT070148	MT990172/Metcalfe	179.9	10	1.2	3.3	0.009
MT070156	MT970148/Klages	180.2	10	1.5	5.5	0
MT070157	MT970148/Klages	180.4	10	1.8	5.8	0
MT070158	MT970148/Klages	180.8	10	2.1	4.8	0.001
MT070159	MT970148/Klages	180	10	1.4	3.3	0.009
MT070161	MT970148/Klages	180	10	1.3	3.2	0.011
MT070175	LK644///Hockett F5	179.8	10	1.1	4.5	0.002

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 171.1 (N=58)

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

Plant Ht

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	26.9	60	-0.3	-1.6	0.121
MT970116	Craft	29.6	60	2.4	9.1	0
PI568246	Baronesse	25.6	60	-1.6	-6.7	0
MT960101	Geraldine	25	56	-2.1	-7.4	0
SK 76333	Harrington	26.5	55	-0.6	-2.6	0.013
6B952482	Tradition	29.4	49	1.9	6.2	0
MT010158	Amsterdam	26.8	43	-1	-5.2	0
MT010160	MT920041/Harrington	28.4	43	0.6	2.3	0.029
2B965057	Conrad	26.4	37	-1.6	-6.7	0
MT020155	MT960225/H1851195	28.6	37	0.7	2.3	0.025
MT020162	MT960225/H1851195	28.6	37	0.7	2.4	0.023
MT020204	MTLB 32/H1851195	28.1	37	0.2	0.8	0.413
MT030042	MT910189/MT960099	25.9	33	-1.9	-4.3	0
MT030063	MT950155/Harrington	29.1	33	1.3	4.2	0
MT030079	MT950186/MT960225	27.5	33	-0.3	-1.1	0.267
MT020167	MT960225/H3860224	28	32	0.1	0.4	0.665
MT020205	MTLB 32/H1851195	28.5	32	0.6	1.8	0.075
MT040073	MT960045/Harrington	25.9	27	-0.8	-2.8	0.009
MT040209	MT960228/MT950186	25.5	27	-1.3	-4.4	0
TR232	Metcalfe	29.2	24	0.6	1.1	0.296
MT050030	GS 1750/Bearpaw	28.2	21	-0.1	-0.2	0.845
MT050062	Harrington/MT960225	30.1	21	1.9	4.5	0
MT061032	Baronesse/MT981210	25.8	15	-1.5	-2.4	0.033
MT061035	Baronesse/MT981210	26.6	15	-0.6	-1.2	0.254
MT061104	Harrington/MT970229	27.6	15	0.4	0.7	0.49
MT061169	MT960101/Coors 37	25.5	15	-1.8	-4.5	0
MT070063	MT010178/MT970116	29.4	10	2.6	5.5	0
MT070086	MT970148/Coors37	21	10	-5.8	-7.7	0
MT070111	MT010178/Harrington	27.6	10	0.8	1	0.335
MT070125	MT981210/MT970116	28.3	10	1.6	2.4	0.038
MT070148	MT990172/Metcalfe	26.2	10	-0.6	-1.1	0.306
MT070156	MT970148/Klages	25.1	10	-1.7	-2.3	0.044
MT070157	MT970148/Klages	25.7	10	-1	-1.9	0.091
MT070158	MT970148/Klages	25.4	10	-1.4	-2.4	0.041
MT070159	MT970148/Klages	24.7	10	-2.1	-3.7	0.005
MT070161	MT970148/Klages	25.2	10	-1.5	-3.9	0.003
MT070175	LK644///Hockett F5	28.1	10	1.4	3.6	0.006

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 27.2 (N=-60)

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

2000-2010 Spring Barley T-Paired Results vs Haxby **Dryland Locations (1)**

Protein %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	13.4	61	0	0.3	0.753
MT970116	Craft	13.8	61	0.4	3.9	0
PI568246	Baronesse	14	61	0.6	4.7	0
MT960101	Geraldine	14	56	0.5	2.7	0.009
SK 76333	Harrington	14	56	0.6	4.5	0
6B952482	Tradition	13.4	50	0.3	2.1	0.042
MT010158	Amsterdam	13.8	44	1	7.3	0
MT010160	MT920041/Harrington	13.4	44	0.6	4.1	0
2B965057	Conrad	13.2	38	0.9	6.4	0
MT020155	MT960225/H1851195	12.5	38	0.3	2.2	0.031
MT020162	MT960225/H1851195	12.8	38	0.6	3.9	0
MT020204	MTLB 32/H1851195	12.8	38	0.6	3.9	0
MT020167	MT960225/H3860224	12.7	33	0.6	3.5	0.001
MT020205	MTLB 32/H1851195	13	33	0.9	4.3	0
MT030042	MT910189/MT960099	11.7	33	-0.5	-2.9	0.007
MT030063	MT950155/Harrington	12.2	33	0.1	0.6	0.53
MT030079	MT950186/MT960225	12.2	33	0.1	0.5	0.62
MT040073	MT960045/Harrington	12	27	0.3	2.9	0.008
MT040209	MT960228/MT950186	11.9	27	0.2	1.1	0.301
TR232	Metcalfe	12.5	25	0.8	4.3	0
MT050030	GS 1750/Bearpaw	11.4	21	-0.4	-2.6	0.017
MT050062	Harrington/MT960225	11.5	21	-0.3	-1.5	0.157
MT061032	Baronesse/MT981210	12.4	15	0.5	1.9	0.072
MT061035	Baronesse/MT981210	12.2	15	0.3	1	0.336
MT061104	Harrington/MT970229	12.1	15	0.2	1.2	0.26
MT061169	MT960101/Coors 37	12.3	15	0.5	2.4	0.03
MT070063	MT010178/MT970116	11.4	10	-0.1	-0.5	0.641
MT070086	MT970148/Coors37	11.7	10	0.2	0.5	0.626
MT070111	MT010178/Harrington	11.3	10	-0.2	-1	0.366
MT070125	MT981210/MT970116	11.6	10	0.1	0.3	0.782
MT070148	MT990172/Metcalfe	11.6	10	0.1	0.7	0.478
MT070156	MT970148/Klages	11.4	10	-0.1	-0.7	0.523
MT070157	MT970148/Klages	11.3	10	-0.2	-0.9	0.369
MT070158	MT970148/Klages	11.6	10	0.1	0.3	0.772
MT070159	MT970148/Klages	11.3	10	-0.2	-1	0.352
MT070161	MT970148/Klages	11.5	10	0	0	0.983
MT070175	LK644///Hockett F5	10.7	10	-0.8	-4	0.003

THE MEANFOR THE REFERENCE VARIETY HAXBY IS:13.4 (N=61)

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

Statewide

ID	NAME	Yield			Test Weight			Plump %			Heading Date			Plant Height			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
MT910189	Hockett	4	4.2	0	2.3	11.5	0	6.5	4.4	0	-2.6	-10.3	0	0.3	1.1	0.271	-0.5	-5.3	0
MT950186	Haxby	6.1	4.7	0	3.9	15.7	0	-0.1	-0.1	0.95	-2	-8.5	0	0.6	2.6	0.013	-0.6	-4.5	0
MT970116	Craft	3.9	2.6	0.013	3	14.6	0	7.2	5.3	0	-2.5	-12.7	0	3	10.6	0	-0.2	-2	0.049
PI568246	Baronesse	8	9.5	0	1.1	6.8	0	-2.6	-1.7	0.096	1	3.4	0.001	-1.1	-4.3	0	0	0.1	0.944
MT960101	Geraldine	2.5	2.7	0.009	1	6.4	0	-12.8	-7.4	0	2.5	6.7	0	-1.3	-5	0	0	0	0.991
6B952482	Tradition	0.3	0.1	0.884	0.4	1.6	0.107	-2.6	-1.4	0.181	-3.6	-10.1	0	2.5	7.6	0	-0.3	-1.8	0.071
MT010158	Amsterdam	2.2	2.1	0.045	1.9	9	0	4.8	2.3	0.03	-1.1	-4.9	0	-0.4	-1.4	0.184	0.3	2.3	0.027
MT010160	MT920041/Harrington	4.6	4.3	0	1.6	9	0	1	0.7	0.483	-0.7	-3.5	0.001	1.2	4.4	0	0	-0.1	0.958
2B965057	Conrad	5.8	4.9	0	0.8	3.9	0	4	2.5	0.017	1	2.2	0.035	-1	-3.3	0.003	0.4	3.4	0.002
MT020155	MT960225/H1851195	8.6	5.9	0	1.5	5.6	0	2.1	1.1	0.284	-5.1	-15.4	0	1.3	3.3	0.002	-0.3	-2	0.06
MT020162	MT960225/H1851195	6.1	4.5	0	2.1	7.3	0	4.1	2.2	0.036	0.3	1	0.319	1.4	3.8	0	0	0.2	0.83
MT020167	MT960225/H3860224	3.1	1.6	0.116	2.5	8.8	0	7.6	3.6	0	-0.8	-1.7	0.101	0.7	2	0.059	0	0.2	0.814
MT020204	MTLB 32/H1851195	6.8	6	0	2.4	9.9	0	0.7	0.3	0.748	-2.3	-4.9	0	0.8	2.4	0.02	0	0	0.994
MT020205	MTLB 32/H1851195	5.8	4	0	2.2	8.9	0	5.1	3.4	0.002	-2.5	-7.4	0	1.2	3	0.006	0.3	2	0.058
MT030042	MT910189/MT960099	3.6	2.2	0.036	2.9	11.2	0	-3.7	-2.3	0.028	-1.6	-5.3	0	-1.3	-2.8	0.01	-0.9	-6.8	0
MT030063	MT950155/Harrington	4.4	1.5	0.137	3.3	11	0	8.1	3.4	0.002	-0.3	-0.7	0.464	2	5.1	0	-0.3	-1.8	0.082
MT030079	MT950186/MT960225	4.1	1.9	0.067	3.3	10.9	0	-0.9	-0.4	0.669	-1.1	-4.7	0	0.4	1.1	0.267	-0.4	-2.4	0.024
TR232	Metcalfe	0.2	0.2	0.85	0.6	3.5	0.002	-0.8	-0.5	0.647	-1.9	-6.1	0	0.9	2.4	0.023	0.2	2.2	0.038
MT040073	MT960045/Harrington	3.8	2.5	0.021	2.8	10.9	0	-1.2	-0.7	0.469	-1.2	-3.7	0.001	-0.5	-1.4	0.178	0	0	0.982
MT040209	MT960228/MT950186	6.3	3.3	0.003	1.6	7.3	0	-3.1	-2.2	0.038	0.5	1.8	0.092	-0.9	-2.8	0.01	-0.1	-0.8	0.443
MT050030	GS 1750/Bearpaw	6.6	2.3	0.038	1.2	3.6	0.002	2.9	2.7	0.016	-0.3	-0.7	0.474	0.3	0.6	0.582	-0.7	-2.8	0.013
MT050062	Harrington/MT960225	1.4	0.4	0.66	2	9	0	1.9	1.9	0.081	0.1	0.4	0.711	2.3	4.8	0	-0.5	-2.8	0.013
MT061032	Baronesse/MT981210	9.4	3.4	0.008	0.4	1	0.349	-1.3	-0.7	0.501	0.7	1.3	0.222	-1.5	-1.9	0.09	0	0.3	0.763
MT061035	Baronesse/MT981210	10	3.8	0.004	0.4	1.2	0.279	0.2	0.1	0.91	0.2	0.4	0.679	-0.4	-0.6	0.585	0.1	0.2	0.823
MT061104	Harrington/MT970229	-1.3	-0.4	0.664	0.6	2.8	0.022	3.9	8.6	0	-2	-4.7	0.001	0.9	1.4	0.188	0.2	1.8	0.097
MT061169	MT960101/Coors 37	3.7	1.6	0.153	1.1	5	0	0	0	0.985	0.8	1.5	0.16	-1.7	-2.8	0.019	0.4	2.5	0.034
MT070063	MT010178/MT970116	-3.9	-0.8	0.464	1.3	6.1	0	2	4.4	0.002	-2.8	-6.3	0	2.5	4.8	0	-0.1	-1	0.34
MT070086	MT970148/Coors37	4.6	1.9	0.097	0.3	0.8	0.429	0.6	0.3	0.759	1.8	3.3	0.01	-5.9	-7.5	0	0.1	0.5	0.648
MT070111	MT010178/Harrington	5.2	2.2	0.06	1	5.6	0	-2.9	-0.8	0.433	-0.5	-1	0.359	0.8	1.2	0.245	-0.2	-2.1	0.065
MT070125	MT981210/MT970116	4	1	0.359	1.1	5	0	1.8	4.1	0.003	0	0	0.971	1.5	4.1	0.003	0	0.1	0.923
MT070148	MT990172/Metcalfe	1	0.5	0.662	0.6	1.8	0.103	3.7	6.1	0	-1.4	-2.1	0.065	-0.6	-1.3	0.21	0.1	0.6	0.555
MT070156	MT970148/Klages	5.6	2.1	0.07	0.2	0.8	0.46	-0.3	-0.4	0.725	-1.1	-3.1	0.012	-1.7	-3.4	0.008	-0.2	-1.3	0.219
MT070157	MT970148/Klages	7.2	2.6	0.027	1	3.8	0.004	2	2.1	0.062	-0.8	-1.6	0.136	-1.1	-2.6	0.027	-0.2	-2.3	0.048
MT070158	MT970148/Klages	4.4	2.8	0.021	0.9	2.8	0.02	2.4	5.6	0	-0.4	-0.8	0.453	-1.4	-3	0.015	0	0.1	0.893
MT070159	MT970148/Klages	4	1.2	0.253	0.5	1.6	0.152	1.2	2.1	0.069	-1.2	-3.1	0.013	-2.1	-4.6	0.001	-0.2	-1.7	0.126
MT070161	MT970148/Klages	5.6	2.2	0.058	1	3.1	0.012	2.9	4.6	0.001	-1.3	-3.7	0.005	-1.6	-3.4	0.007	0	-0.2	0.812
MT070175	LK644///Hockett F5	3.3	1	0.324	0.3	1.3	0.226	2.6	2.8	0.02	-1.4	-3.9	0.003	1.3	2.2	0.059	-0.8	-4.1	0.003
The Mean of the Reference Variety Harrington is:		68.8	N=56		48.6	N-55		68.5	N-55		172.3	N=53		26.5	N=55		14	N=56	

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

2000-2010 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Yield

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	72.8	56	4	4.2	0
MT950186	Haxby	74.9	56	6.1	4.7	0
MT970116	Craft	72.7	56	3.9	2.6	0.013
PI568246	Baronesse	76.8	56	8	9.5	0
MT960101	Geraldine	70.1	51	2.5	2.7	0.009
6B952482	Tradition	70.7	45	0.3	0.1	0.884
MT010158	Amsterdam	75.9	39	2.2	2.1	0.045
MT010160	MT920041/Harrington	78.3	39	4.6	4.3	0
2B965057	Conrad	83.3	33	5.8	4.9	0
MT020155	MT960225/H1851195	86.2	33	8.6	5.9	0
MT020162	MT960225/H1851195	83.7	33	6.1	4.5	0
MT020167	MT960225/H3860224	80.6	33	3.1	1.6	0.116
MT020204	MTLB 32/H1851195	84.4	33	6.8	6	0
MT020205	MTLB 32/H1851195	83.3	33	5.8	4	0
MT030042	MT910189/MT960099	80.5	28	3.6	2.2	0.036
MT030063	MT950155/Harrington	81.2	28	4.4	1.5	0.137
MT030079	MT950186/MT960225	80.9	28	4.1	1.9	0.067
TR232	Metcalfe	79.8	25	0.2	0.2	0.85
MT040073	MT960045/Harrington	82.6	22	3.8	2.5	0.021
MT040209	MT960228/MT950186	85.1	22	6.3	3.3	0.003
MT050030	GS 1750/Bearpaw	83.4	16	6.6	2.3	0.038
MT050062	Harrington/MT960225	78.2	16	1.4	0.4	0.66
MT061032	Baronesse/MT981210	89.7	10	9.4	3.4	0.008
MT061035	Baronesse/MT981210	90.2	10	10	3.8	0.004
MT061104	Harrington/MT970229	79	10	-1.3	-0.4	0.664
MT061169	MT960101/Coors 37	83.9	10	3.7	1.6	0.153
MT070063	MT010178/MT970116	76.4	10	-3.9	-0.8	0.464
MT070086	MT970148/Coors37	84.8	10	4.6	1.9	0.097
MT070111	MT010178/Harrington	85.5	10	5.2	2.2	0.06
MT070125	MT981210/MT970116	84.3	10	4	1	0.359
MT070148	MT990172/Metcalfe	81.3	10	1	0.5	0.662
MT070156	MT970148/Klages	85.8	10	5.6	2.1	0.07
MT070157	MT970148/Klages	87.4	10	7.2	2.6	0.027
MT070158	MT970148/Klages	84.7	10	4.4	2.8	0.021
MT070159	MT970148/Klages	84.3	10	4	1.2	0.253
MT070161	MT970148/Klages	85.9	10	5.6	2.2	0.058
MT070175	LK644///Hockett F5	83.6	10	3.3	1	0.324

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 68.8 (N=56)

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

Test Wt

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	50.9	55	2.3	11.5	0
MT950186	Haxby	52.4	55	3.9	15.7	0
MT970116	Craft	51.5	55	3	14.6	0
PI568246	Baronesse	49.7	55	1.1	6.8	0
MT960101	Geraldine	49.3	50	1	6.4	0
6B952482	Tradition	49	45	0.4	1.6	0.107
MT010158	Amsterdam	50.7	39	1.9	9	0
MT010160	MT920041/Harrington	50.4	39	1.6	9	0
2B965057	Conrad	50.2	33	0.8	3.9	0
MT020155	MT960225/H1851195	51	33	1.5	5.6	0
MT020162	MT960225/H1851195	51.5	33	2.1	7.3	0
MT020167	MT960225/H3860224	51.9	33	2.5	8.8	0
MT020204	MTLB 32/H1851195	51.9	33	2.4	9.9	0
MT020205	MTLB 32/H1851195	51.6	33	2.2	8.9	0
MT030042	MT910189/MT960099	52.1	28	2.9	11.2	0
MT030063	MT950155/Harrington	52.5	28	3.3	11	0
MT030079	MT950186/MT960225	52.5	28	3.3	10.9	0
TR232	Metcalfe	50.8	25	0.6	3.5	0.002
MT040073	MT960045/Harrington	53	22	2.8	10.9	0
MT040209	MT960228/MT950186	51.8	22	1.6	7.3	0
MT050030	GS 1750/Bearpaw	51.3	16	1.2	3.6	0.002
MT050062	Harrington/MT960225	52.1	16	2	9	0
MT061032	Baronesse/MT981210	51.2	10	0.4	1	0.349
MT061035	Baronesse/MT981210	51.2	10	0.4	1.2	0.279
MT061104	Harrington/MT970229	51.4	10	0.6	2.8	0.022
MT061169	MT960101/Coors 37	51.9	10	1.1	5	0
MT070063	MT010178/MT970116	52.1	10	1.3	6.1	0
MT070086	MT970148/Coors37	51.1	10	0.3	0.8	0.429
MT070111	MT010178/Harrington	51.7	10	1	5.6	0
MT070125	MT981210/MT970116	51.9	10	1.1	5	0
MT070148	MT990172/Metcalfe	51.4	10	0.6	1.8	0.103
MT070156	MT970148/Klages	51	10	0.2	0.8	0.46
MT070157	MT970148/Klages	51.8	10	1	3.8	0.004
MT070158	MT970148/Klages	51.7	10	0.9	2.8	0.02
MT070159	MT970148/Klages	51.3	10	0.5	1.6	0.152
MT070161	MT970148/Klages	51.8	10	1	3.1	0.012
MT070175	LK644///Hockett F5	51.1	10	0.3	1.3	0.226

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 48.6 (N=55)

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

2000-2010 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Plump %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	76.3	54	6.5	4.4	0
MT950186	Haxby	69.7	54	-0.1	-0.1	0.95
MT970116	Craft	77	54	7.2	5.3	0
PI568246	Baronesse	67.2	54	-2.6	-1.7	0.096
MT960101	Geraldine	56.1	49	-12.8	-7.4	0
6B952482	Tradition	68	43	-2.6	-1.4	0.181
MT010158	Amsterdam	74.5	38	4.8	2.3	0.03
MT010160	MT920041/Harrington	70.8	38	1	0.7	0.483
2B965057	Conrad	76.7	33	4	2.5	0.017
MT020155	MT960225/H1851195	74.7	33	2.1	1.1	0.284
MT020162	MT960225/H1851195	76.8	33	4.1	2.2	0.036
MT020167	MT960225/H3860224	80.2	33	7.6	3.6	0
MT020204	MTLB 32/H1851195	73.3	33	0.7	0.3	0.748
MT020205	MTLB 32/H1851195	77.7	33	5.1	3.4	0.002
MT030042	MT910189/MT960099	68	28	-3.7	-2.3	0.028
MT030063	MT950155/Harrington	79.8	28	8.1	3.4	0.002
MT030079	MT950186/MT960225	70.8	28	-0.9	-0.4	0.669
TR232	Metcalfe	79.4	25	-0.8	-0.5	0.647
MT040073	MT960045/Harrington	74.7	22	-1.2	-0.7	0.469
MT040209	MT960228/MT950186	72.8	22	-3.1	-2.2	0.038
MT050030	GS 1750/Bearpaw	86.9	16	2.9	2.7	0.016
MT050062	Harrington/MT960225	86	16	1.9	1.9	0.081
MT061032	Baronesse/MT981210	90.8	10	-1.3	-0.7	0.501
MT061035	Baronesse/MT981210	92.3	10	0.2	0.1	0.91
MT061104	Harrington/MT970229	96.1	10	3.9	8.6	0
MT061169	MT960101/Coors 37	92.1	10	0	0	0.985
MT070063	MT010178/MT970116	94.1	10	2	4.4	0.002
MT070086	MT970148/Coors37	92.8	10	0.6	0.3	0.759
MT070111	MT010178/Harrington	89.3	10	-2.9	-0.8	0.433
MT070125	MT981210/MT970116	94	10	1.8	4.1	0.003
MT070148	MT990172/Metcalfe	95.8	10	3.7	6.1	0
MT070156	MT970148/Klages	91.8	10	-0.3	-0.4	0.725
MT070157	MT970148/Klages	94.1	10	2	2.1	0.062
MT070158	MT970148/Klages	94.6	10	2.4	5.6	0
MT070159	MT970148/Klages	93.4	10	1.2	2.1	0.069
MT070161	MT970148/Klages	95	10	2.9	4.6	0.001
MT070175	LK644///Hockett F5	94.8	10	2.6	2.8	0.02

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 68.5 (N=55)

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

2000-2010 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Heading Date

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	173	52	-2.6	-10.3	0
MT950186	Haxby	173.6	52	-2	-8.5	0
MT970116	Craft	173	52	-2.5	-12.7	0
PI568246	Baronesse	176.6	52	1	3.4	0.001
MT960101	Geraldine	177.8	47	2.5	6.7	0
6B952482	Tradition	171.8	42	-3.6	-10.1	0
MT010158	Amsterdam	172.9	37	-1.1	-4.9	0
MT010160	MT920041/Harrington	173.4	37	-0.7	-3.5	0.001
2B965057	Conrad	173.7	31	1	2.2	0.035
MT020155	MT960225/H1851195	167.6	31	-5.1	-15.4	0
MT020162	MT960225/H1851195	173	31	0.3	1	0.319
MT020167	MT960225/H3860224	171.9	31	-0.8	-1.7	0.101
MT020204	MTLB 32/H1851195	170.4	31	-2.3	-4.9	0
MT020205	MTLB 32/H1851195	170.2	31	-2.5	-7.4	0
MT030042	MT910189/MT960099	170	26	-1.6	-5.3	0
MT030063	MT950155/Harrington	171.3	26	-0.3	-0.7	0.464
MT030079	MT950186/MT960225	170.5	26	-1.1	-4.7	0
TR232	Metcalfe	175.7	24	-1.9	-6.1	0
MT040073	MT960045/Harrington	168	20	-1.2	-3.7	0.001
MT040209	MT960228/MT950186	169.7	20	0.5	1.8	0.092
MT050030	GS 1750/Bearpaw	178.1	16	-0.3	-0.7	0.474
MT050062	Harrington/MT960225	178.5	16	0.1	0.4	0.711
MT061032	Baronesse/MT981210	181.9	10	0.7	1.3	0.222
MT061035	Baronesse/MT981210	181.4	10	0.2	0.4	0.679
MT061104	Harrington/MT970229	179.3	10	-2	-4.7	0.001
MT061169	MT960101/Coors 37	182	10	0.8	1.5	0.16
MT070063	MT010178/MT970116	178.4	10	-2.8	-6.3	0
MT070086	MT970148/Coors37	183	10	1.8	3.3	0.01
MT070111	MT010178/Harrington	180.7	10	-0.5	-1	0.359
MT070125	MT981210/MT970116	181.2	10	0	0	0.971
MT070148	MT990172/Metcalfe	179.9	10	-1.4	-2.1	0.065
MT070156	MT970148/Klages	180.2	10	-1.1	-3.1	0.012
MT070157	MT970148/Klages	180.4	10	-0.8	-1.6	0.136
MT070158	MT970148/Klages	180.8	10	-0.4	-0.8	0.453
MT070159	MT970148/Klages	180	10	-1.2	-3.1	0.013
MT070161	MT970148/Klages	180	10	-1.3	-3.7	0.005
MT070175	LK644///Hockett F5	179.8	10	-1.4	-3.9	0.003

THE MEAN FOR THE REFERNCE VARIETY HARRINGTON IS: 172.3 (N=53)

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

2000-2010 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Plant Ht

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	26.8	55	0.3	1.1	0.271
MT950186	Haxby	27.1	55	0.6	2.6	0.013
MT970116	Craft	29.5	55	3	10.6	0
PI568246	Baronesse	25.4	55	-1.1	-4.3	0
MT960101	Geraldine	25	51	-1.3	-5	0
6B952482	Tradition	29.3	44	2.5	7.6	0
MT010158	Amsterdam	26.7	38	-0.4	-1.4	0.184
MT010160	MT920041/Harrington	28.3	38	1.2	4.4	0
2B965057	Conrad	26.3	32	-1	-3.3	0.003
MT020155	MT960225/H1851195	28.5	32	1.3	3.3	0.002
MT020162	MT960225/H1851195	28.7	32	1.4	3.8	0
MT020167	MT960225/H3860224	28	32	0.7	2	0.059
MT020204	MTLB 32/H1851195	28	32	0.8	2.4	0.02
MT020205	MTLB 32/H1851195	28.5	32	1.2	3	0.006
MT030042	MT910189/MT960099	25.7	28	-1.3	-2.8	0.01
MT030063	MT950155/Harrington	29	28	2	5.1	0
MT030079	MT950186/MT960225	27.4	28	0.4	1.1	0.267
TR232	Metcalfe	29.2	24	0.9	2.4	0.023
MT040073	MT960045/Harrington	25.6	22	-0.5	-1.4	0.178
MT040209	MT960228/MT950186	25.2	22	-0.9	-2.8	0.01
MT050030	GS 1750/Bearpaw	28.2	16	0.3	0.6	0.582
MT050062	Harrington/MT960225	30.3	16	2.3	4.8	0
MT061032	Baronesse/MT981210	25.4	10	-1.5	-1.9	0.09
MT061035	Baronesse/MT981210	26.5	10	-0.4	-0.6	0.585
MT061104	Harrington/MT970229	27.7	10	0.9	1.4	0.188
MT061169	MT960101/Coors 37	25.1	10	-1.7	-2.8	0.019
MT070063	MT010178/MT970116	29.4	10	2.5	4.8	0
MT070086	MT970148/Coors37	21	10	-5.9	-7.5	0
MT070111	MT010178/Harrington	27.6	10	0.8	1.2	0.245
MT070125	MT981210/MT970116	28.3	10	1.5	4.1	0.003
MT070148	MT990172/Metcalfe	26.2	10	-0.6	-1.3	0.21
MT070156	MT970148/Klages	25.1	10	-1.7	-3.4	0.008
MT070157	MT970148/Klages	25.7	10	-1.1	-2.6	0.027
MT070158	MT970148/Klages	25.4	10	-1.4	-3	0.015
MT070159	MT970148/Klages	24.7	10	-2.1	-4.6	0.001
MT070161	MT970148/Klages	25.2	10	-1.6	-3.4	0.007
MT070175	LK644///Hockett F5	28.1	10	1.3	2.2	0.059

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 26.5 (N=55)

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

2000-2010 Spring Barley T-Paired Results vs Harrington **Dryland Locations (1)**

Protein %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	13.5	56	-0.5	-5.3	0
MT950186	Haxby	13.5	56	-0.6	-4.5	0
MT970116	Craft	13.8	56	-0.2	-2	0.049
PI568246	Baronesse	14	56	0	0.1	0.944
MT960101	Geraldine	14	51	0	0	0.991
6B952482	Tradition	13.5	45	-0.3	-1.8	0.071
MT010158	Amsterdam	13.8	39	0.3	2.3	0.027
MT010160	MT920041/Harrington	13.5	39	0	-0.1	0.958
2B965057	Conrad	13.1	33	0.4	3.4	0.002
MT020155	MT960225/H1851195	12.4	33	-0.3	-2	0.06
MT020162	MT960225/H1851195	12.7	33	0	0.2	0.83
MT020167	MT960225/H3860224	12.7	33	0	0.2	0.814
MT020204	MTLB 32/H1851195	12.7	33	0	0	0.994
MT020205	MTLB 32/H1851195	13	33	0.3	2	0.058
MT030042	MT910189/MT960099	11.6	28	-0.9	-6.8	0
MT030063	MT950155/Harrington	12.2	28	-0.3	-1.8	0.082
MT030079	MT950186/MT960225	12.1	28	-0.4	-2.4	0.024
TR232	Metcalfe	12.5	25	0.2	2.2	0.038
MT040073	MT960045/Harrington	11.8	22	0	0	0.982
MT040209	MT960228/MT950186	11.7	22	-0.1	-0.8	0.443
MT050030	GS 1750/Bearpaw	11.1	16	-0.7	-2.8	0.013
MT050062	Harrington/MT960225	11.4	16	-0.5	-2.8	0.013
MT061032	Baronesse/MT981210	11.6	10	0	0.3	0.763
MT061035	Baronesse/MT981210	11.6	10	0.1	0.2	0.823
MT061104	Harrington/MT970229	11.8	10	0.2	1.8	0.097
MT061169	MT960101/Coors 37	11.9	10	0.4	2.5	0.034
MT070063	MT010178/MT970116	11.4	10	-0.1	-1	0.34
MT070086	MT970148/Coors37	11.7	10	0.1	0.5	0.648
MT070111	MT010178/Harrington	11.3	10	-0.2	-2.1	0.065
MT070125	MT981210/MT970116	11.6	10	0	0.1	0.923
MT070148	MT990172/Metcalfe	11.6	10	0.1	0.6	0.555
MT070156	MT970148/Klages	11.4	10	-0.2	-1.3	0.219
MT070157	MT970148/Klages	11.3	10	-0.2	-2.3	0.048
MT070158	MT970148/Klages	11.6	10	0	0.1	0.893
MT070159	MT970148/Klages	11.3	10	-0.2	-1.7	0.126
MT070161	MT970148/Klages	11.5	10	0	-0.2	0.812
MT070175	LK644///Hockett F5	10.7	10	-0.8	-4.1	0.003

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 14.0 (N=56)

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

Statewide

ID	NAME	Yield			Test Weight			Plump %			Heading Date			Plant Height			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
MT910189	Hockett	-5.9	-3.4	0.001	-1.2	-6.8	0	0.5	0.5	0.589	-0.9	-3	0.005	-1	-3.5	0.001	0	0.4	0.691
MT970116	Craft	-1.5	-1.1	0.268	-0.3	-2	0.051	1.7	2.3	0.025	-0.3	-1.4	0.173	2.3	9.1	0	0	-0.2	0.863
PI568246	Baronesse	2.8	1.7	0.103	-1.3	-7.7	0	-1.9	-1.8	0.073	2.2	10.2	0	-1.8	-5.5	0	-0.1	-0.8	0.434
SK 76333	Harrington	-9.7	-6.2	0	-3	-13	0	-3.7	-3.5	0.001	2	6.8	0	-0.2	-0.8	0.435	0	-0.1	0.96
MT960101	Geraldine	-0.6	-0.3	0.741	-1.7	-8.7	0	-7.8	-6.7	0	3.3	10.3	0	-1.7	-6.1	0	-0.2	-1.5	0.135
6B952482	Tradition	-5.3	-2.5	0.017	-2.8	-12.6	0	1.3	1.5	0.15	-1.5	-6.6	0	2.4	6.9	0	0.2	1.3	0.197
MT010158	Amsterdam	-4.5	-2.3	0.031	-1.2	-7	0	1.6	2.1	0.041	0.5	1.4	0.163	-0.9	-2.8	0.008	0.3	2.7	0.012
MT010160	MT920041/Harrington	-5.7	-3.4	0.002	-1.1	-5.3	0	-1.3	-1.5	0.147	1.6	5.4	0	0.8	2.4	0.022	0.3	2.5	0.017
2B965057	Conrad	1.6	0.8	0.449	-1.4	-6.2	0	1	1.1	0.295	1.8	5.6	0	-1.2	-3.3	0.002	0.7	6.5	0
MT020155	MT960225/H1851195	1.2	0.7	0.511	-1.6	-6.7	0	-3.3	-3.4	0.002	-2.5	-7.1	0	0.4	1.1	0.293	0.2	1.4	0.18
MT020162	MT960225/H1851195	4.1	1.8	0.077	-0.8	-4.4	0	0.9	1.5	0.156	1.9	7.2	0	1.5	3.9	0	0.4	3.5	0.002
MT020204	MTLB 32/H1851195	-0.2	-0.1	0.91	-0.7	-4.9	0	-2.4	-2.3	0.026	-0.6	-2.1	0.04	-0.1	-0.2	0.861	0.4	3.1	0.004
MT020167	MT960225/H3860224	-6.5	-3.5	0.002	-1.1	-3.5	0.002	0.5	0.6	0.524	1.6	4.8	0	-0.4	-1.5	0.157	0.5	4.3	0
MT020205	MTLB 32/H1851195	-0.8	-0.5	0.617	-0.9	-4.6	0	-1	-1.2	0.242	-0.7	-3.1	0.005	0.4	1.2	0.257	0.6	4.5	0
MT030042	MT910189/MT960099	0.3	0.1	0.915	-0.3	-1.5	0.14	-2.7	-2.8	0.011	0.5	1.2	0.24	-1.6	-4.2	0	-0.8	-5	0
MT030063	MT950155/Harrington	1.9	1.2	0.24	0	-0.1	0.947	2.5	3	0.006	2.2	9.5	0	2.2	6.8	0	-0.1	-0.8	0.424
MT030079	MT950186/MT960225	3.9	2.6	0.017	0.2	1	0.329	-0.2	-0.2	0.838	1.2	5.8	0	0.1	0.5	0.655	-0.3	-2.8	0.01
TR232	Metcalfe	-9.9	-4.7	0	-1.9	-9.1	0	-1.2	-1.2	0.236	1.5	5.1	0	0.7	2	0.055	0.3	2.1	0.048
MT040073	MT960045/Harrington	0.5	0.3	0.8	0.4	3.2	0.005	0.1	0.3	0.744	1	5.4	0	0.2	0.6	0.585	0.4	3	0.007
MT040209	MT960228/MT950186	8.4	3.5	0.002	-1	-3.7	0.001	-4	-3.5	0.002	2.4	6.5	0	-0.2	-0.4	0.68	-0.1	-0.3	0.802
MT050030	GS 1750/Bearpaw	9.6	6	0	-1	-4	0.001	-0.1	-0.1	0.957	2.4	8	0	0.6	1.1	0.286	-0.7	-7.2	0
MT050062	Harrington/MT960225	6.5	3.2	0.006	-0.2	-0.9	0.39	1.1	1.2	0.263	2.1	5.6	0	3.4	7.1	0	-1	-7.4	0
MT061032	Baronesse/MT981210	11	3.2	0.009	-0.8	-3.2	0.009	-0.6	-0.5	0.638	2.5	6.4	0	-0.5	-0.7	0.499	-0.2	-0.9	0.378
MT061035	Baronesse/MT981210	12.1	3.5	0.006	-1.1	-4	0.002	-0.5	-0.5	0.621	2.4	5.6	0	0.3	0.4	0.718	-0.2	-0.7	0.485
MT061104	Harrington/MT970229	0.1	0	0.964	-0.8	-2.9	0.017	1.1	1.3	0.207	0.4	0.7	0.475	1.5	2.9	0.015	0.2	0.9	0.376
MT061169	MT960101/Coors 37	4.1	1.3	0.215	-0.8	-1.9	0.093	-1.1	-1.7	0.13	2.3	6.8	0	-0.4	-0.8	0.427	0.6	2.4	0.039
MT070063	MT010178/MT970116	1.3	0.3	0.757	-0.4	-1	0.352	-0.9	-1	0.345	0.1	0.4	0.722	8.3	1.6	0.155	-0.1	-0.6	0.584
MT070086	MT970148/Coors37	4.7	0.7	0.495	-1.2	-2.3	0.056	-0.1	-0.1	0.888	3.1	4.4	0.003	-6.2	-4.2	0.004	-0.9	-2.4	0.045
MT070111	MT010178/Harrington	-2	-0.7	0.515	-0.5	-1.4	0.218	-0.5	-0.8	0.463	2.2	5.3	0.001	0.9	1.4	0.214	-0.4	-1.2	0.264
MT070125	MT981210/MT970116	1.3	0.4	0.731	-0.3	-1.7	0.127	0.8	2.3	0.054	2.4	4.7	0.002	0.9	1.3	0.232	-0.4	-2	0.082
MT070148	MT990172/Metcalfe	0.9	0.2	0.852	-0.3	-0.8	0.443	2.9	3.4	0.011	0.5	2.3	0.059	-0.1	-0.1	0.887	0.1	0.7	0.481
MT070156	MT970148/Klages	6.8	1.7	0.138	-1.2	-2.7	0.029	0.1	0.2	0.86	0.7	1.2	0.277	-1.7	-2.7	0.03	-0.4	-1.7	0.142
MT070157	MT970148/Klages	5.9	1.5	0.181	-0.6	-1.3	0.233	0.9	1.6	0.156	0.3	0.6	0.597	-1.6	-3.8	0.006	-0.5	-1.7	0.125
MT070158	MT970148/Klages	6.2	1.4	0.212	-0.5	-1	0.361	1.1	1.7	0.136	0.9	1.6	0.158	-1.3	-2.2	0.062	-0.2	-1.2	0.268
MT070159	MT970148/Klages	5.8	1.3	0.238	-1.1	-3.6	0.009	-0.4	-0.6	0.564	0.3	0.5	0.622	-1.1	-1.7	0.131	-0.4	-1.4	0.217
MT070161	MT970148/Klages	5.9	1.2	0.281	-0.8	-2	0.09	0.9	1.6	0.165	0	0.1	0.959	-1.8	-2.2	0.06	-0.4	-1.8	0.115
MT070175	LK644///Hockett F5	3.3	0.9	0.399	-1	-3.4	0.012	0.3	0.6	0.567	1	3.4	0.012	2	4.7	0.002	-1.4	-7	0
The Mean of the Reference Variety Haxby is:		121.6 N=50			53 N=50			86.5 N=50			176.5 N=48			32.6 N=50			12.4 N=49		

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Haxby **Irrigated Locations (1)**

Yield

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	115.7	50	-5.9	-3.4	0.001
MT970116	Craft	120.2	50	-1.5	-1.1	0.268
PI568246	Baronesse	124.5	50	2.8	1.7	0.103
SK 76333	Harrington	112	47	-9.7	-6.2	0
MT960101	Geraldine	119.8	45	-0.6	-0.3	0.741
6B952482	Tradition	113.7	40	-5.3	-2.5	0.017
MT010158	Amsterdam	113.7	35	-4.5	-2.3	0.031
MT010160	MT920041/Harrington	112.5	35	-5.7	-3.4	0.002
2B965057	Conrad	118.4	30	1.6	0.8	0.449
MT020155	MT960225/H1851195	118	30	1.2	0.7	0.511
MT020162	MT960225/H1851195	120.9	30	4.1	1.8	0.077
MT020204	MTLB 32/H1851195	116.6	30	-0.2	-0.1	0.91
MT020167	MT960225/H3860224	109.9	27	-6.5	-3.5	0.002
MT020205	MTLB 32/H1851195	115.6	27	-0.8	-0.5	0.617
MT030042	MT910189/MT960099	113.9	25	0.3	0.1	0.915
MT030063	MT950155/Harrington	115.5	25	1.9	1.2	0.24
MT030079	MT950186/MT960225	117.5	25	3.9	2.6	0.017
TR232	Metcalfe	107.2	22	-9.9	-4.7	0
MT040073	MT960045/Harrington	114.2	20	0.5	0.3	0.8
MT040209	MT960228/MT950186	122.1	20	8.4	3.5	0.002
MT050030	GS 1750/Bearpaw	122.7	16	9.6	6	0
MT050062	Harrington/MT960225	119.6	16	6.5	3.2	0.006
MT061032	Baronesse/MT981210	133.7	11	11	3.2	0.009
MT061035	Baronesse/MT981210	134.7	11	12.1	3.5	0.006
MT061104	Harrington/MT970229	122.8	11	0.1	0	0.964
MT061169	MT960101/Coors 37	126.7	11	4.1	1.3	0.215
MT070063	MT010178/MT970116	124.7	8	1.3	0.3	0.757
MT070086	MT970148/Coors37	128.2	8	4.7	0.7	0.495
MT070111	MT010178/Harrington	121.4	8	-2	-0.7	0.515
MT070125	MT981210/MT970116	124.7	8	1.3	0.4	0.731
MT070148	MT990172/Metcalfe	124.4	8	0.9	0.2	0.852
MT070156	MT970148/Klages	130.3	8	6.8	1.7	0.138
MT070157	MT970148/Klages	129.3	8	5.9	1.5	0.181
MT070158	MT970148/Klages	129.7	8	6.2	1.4	0.212
MT070159	MT970148/Klages	129.2	8	5.8	1.3	0.238
MT070161	MT970148/Klages	129.3	8	5.9	1.2	0.281
MT070175	LK644///Hockett F5	126.8	8	3.3	0.9	0.399

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 121.6 (N=50)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

Test Wt

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	51.7	50	-1.2	-6.8	0
MT970116	Craft	52.7	50	-0.3	-2	0.051
PI568246	Baronesse	51.6	50	-1.3	-7.7	0
SK 76333	Harrington	50	47	-3	-13	0
MT960101	Geraldine	51.1	45	-1.7	-8.7	0
6B952482	Tradition	50.2	40	-2.8	-12.6	0
MT010158	Amsterdam	51.9	35	-1.2	-7	0
MT010160	MT920041/Harrington	51.9	35	-1.1	-5.3	0
2B965057	Conrad	51.5	30	-1.4	-6.2	0
MT020155	MT960225/H1851195	51.3	30	-1.6	-6.7	0
MT020162	MT960225/H1851195	52.2	30	-0.8	-4.4	0
MT020204	MTLB 32/H1851195	52.2	30	-0.7	-4.9	0
MT020167	MT960225/H3860224	51.7	27	-1.1	-3.5	0.002
MT020205	MTLB 32/H1851195	51.9	27	-0.9	-4.6	0
MT030042	MT910189/MT960099	52.3	25	-0.3	-1.5	0.14
MT030063	MT950155/Harrington	52.6	25	0	-0.1	0.947
MT030079	MT950186/MT960225	52.8	25	0.2	1	0.329
TR232	Metcalfe	51.1	22	-1.9	-9.1	0
MT040073	MT960045/Harrington	53.3	20	0.4	3.2	0.005
MT040209	MT960228/MT950186	51.8	20	-1	-3.7	0.001
MT050030	GS 1750/Bearpaw	51.7	16	-1	-4	0.001
MT050062	Harrington/MT960225	52.5	16	-0.2	-0.9	0.39
MT061032	Baronesse/MT981210	51.9	11	-0.8	-3.2	0.009
MT061035	Baronesse/MT981210	51.7	11	-1.1	-4	0.002
MT061104	Harrington/MT970229	51.9	11	-0.8	-2.9	0.017
MT061169	MT960101/Coors 37	52	11	-0.8	-1.9	0.093
MT070063	MT010178/MT970116	52	8	-0.4	-1	0.352
MT070086	MT970148/Coors37	51.2	8	-1.2	-2.3	0.056
MT070111	MT010178/Harrington	51.9	8	-0.5	-1.4	0.218
MT070125	MT981210/MT970116	52	8	-0.3	-1.7	0.127
MT070148	MT990172/Metcalfe	52	8	-0.3	-0.8	0.443
MT070156	MT970148/Klages	51.2	8	-1.2	-2.7	0.029
MT070157	MT970148/Klages	51.8	8	-0.6	-1.3	0.233
MT070158	MT970148/Klages	51.9	8	-0.5	-1	0.361
MT070159	MT970148/Klages	51.3	8	-1.1	-3.6	0.009
MT070161	MT970148/Klages	51.6	8	-0.8	-2	0.09
MT070175	LK644///Hockett F5	51.4	8	-1	-3.4	0.012

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 53.0 (N=50)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Haxby **Irrigated Locations (1)**

Plump %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	87	50	0.5	0.5	0.589
MT970116	Craft	88.2	50	1.7	2.3	0.025
PI568246	Baronesse	84.6	50	-1.9	-1.8	0.073
SK 76333	Harrington	82.4	47	-3.7	-3.5	0.001
MT960101	Geraldine	77.8	45	-7.8	-6.7	0
6B952482	Tradition	89.2	40	1.3	1.5	0.15
MT010158	Amsterdam	89.1	35	1.6	2.1	0.041
MT010160	MT920041/Harrington	86.2	35	-1.3	-1.5	0.147
2B965057	Conrad	88.7	30	1	1.1	0.295
MT020155	MT960225/H1851195	84.4	30	-3.3	-3.4	0.002
MT020162	MT960225/H1851195	88.6	30	0.9	1.5	0.156
MT020204	MTLB 32/H1851195	85.3	30	-2.4	-2.3	0.026
MT020167	MT960225/H3860224	87.5	27	0.5	0.6	0.524
MT020205	MTLB 32/H1851195	85.9	27	-1	-1.2	0.242
MT030042	MT910189/MT960099	83.5	25	-2.7	-2.8	0.011
MT030063	MT950155/Harrington	88.7	25	2.5	3	0.006
MT030079	MT950186/MT960225	86	25	-0.2	-0.2	0.838
TR232	Metcalfe	85.7	22	-1.2	-1.2	0.236
MT040073	MT960045/Harrington	86.2	20	0.1	0.3	0.744
MT040209	MT960228/MT950186	82	20	-4	-3.5	0.002
MT050030	GS 1750/Bearpaw	86.3	16	-0.1	-0.1	0.957
MT050062	Harrington/MT960225	87.5	16	1.1	1.2	0.263
MT061032	Baronesse/MT981210	92.5	11	-0.6	-0.5	0.638
MT061035	Baronesse/MT981210	92.6	11	-0.5	-0.5	0.621
MT061104	Harrington/MT970229	94.2	11	1.1	1.3	0.207
MT061169	MT960101/Coors 37	92	11	-1.1	-1.7	0.13
MT070063	MT010178/MT970116	91.6	8	-0.9	-1	0.345
MT070086	MT970148/Coors37	92.4	8	-0.1	-0.1	0.888
MT070111	MT010178/Harrington	92.1	8	-0.5	-0.8	0.463
MT070125	MT981210/MT970116	93.4	8	0.8	2.3	0.054
MT070148	MT990172/Metcalfe	95.4	8	2.9	3.4	0.011
MT070156	MT970148/Klages	92.7	8	0.1	0.2	0.86
MT070157	MT970148/Klages	93.4	8	0.9	1.6	0.156
MT070158	MT970148/Klages	93.7	8	1.1	1.7	0.136
MT070159	MT970148/Klages	92.1	8	-0.4	-0.6	0.564
MT070161	MT970148/Klages	93.5	8	0.9	1.6	0.165
MT070175	LK644///Hockett F5	92.9	8	0.3	0.6	0.567

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 86.5 (N=50)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Haxby **Irrigated Locations (1)**

Heading Date

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	175.6	48	-0.9	-3	0.005
MT970116	Craft	176.2	48	-0.3	-1.4	0.173
PI568246	Baronesse	178.6	48	2.2	10.2	0
SK 76333	Harrington	178.3	45	2	6.8	0
MT960101	Geraldine	180	43	3.3	10.3	0
6B952482	Tradition	176	39	-1.5	-6.6	0
MT010158	Amsterdam	177.4	34	0.5	1.4	0.163
MT010160	MT920041/Harrington	178.5	34	1.6	5.4	0
2B965057	Conrad	178.7	29	1.8	5.6	0
MT020155	MT960225/H1851195	174.4	29	-2.5	-7.1	0
MT020162	MT960225/H1851195	178.8	29	1.9	7.2	0
MT020204	MTLB 32/H1851195	176.3	29	-0.6	-2.1	0.04
MT020167	MT960225/H3860224	178.3	26	1.6	4.8	0
MT020205	MTLB 32/H1851195	176	26	-0.7	-3.1	0.005
MT030042	MT910189/MT960099	177.9	24	0.5	1.2	0.24
MT030063	MT950155/Harrington	179.5	24	2.2	9.5	0
MT030079	MT950186/MT960225	178.6	24	1.2	5.8	0
TR232	Metcalfe	178.1	21	1.5	5.1	0
MT040073	MT960045/Harrington	178.5	19	1	5.4	0
MT040209	MT960228/MT950186	179.8	19	2.4	6.5	0
MT050030	GS 1750/Bearpaw	180.3	16	2.4	8	0
MT050062	Harrington/MT960225	180.1	16	2.1	5.6	0
MT061032	Baronesse/MT981210	182.3	11	2.5	6.4	0
MT061035	Baronesse/MT981210	182.2	11	2.4	5.6	0
MT061104	Harrington/MT970229	180.2	11	0.4	0.7	0.475
MT061169	MT960101/Coors 37	182.1	11	2.3	6.8	0
MT070063	MT010178/MT970116	180.4	8	0.1	0.4	0.722
MT070086	MT970148/Coors37	183.3	8	3.1	4.4	0.003
MT070111	MT010178/Harrington	182.4	8	2.2	5.3	0.001
MT070125	MT981210/MT970116	182.7	8	2.4	4.7	0.002
MT070148	MT990172/Metcalfe	180.7	8	0.5	2.3	0.059
MT070156	MT970148/Klages	180.9	8	0.7	1.2	0.277
MT070157	MT970148/Klages	180.6	8	0.3	0.6	0.597
MT070158	MT970148/Klages	181.1	8	0.9	1.6	0.158
MT070159	MT970148/Klages	180.5	8	0.3	0.5	0.622
MT070161	MT970148/Klages	180.2	8	0	0.1	0.959
MT070175	LK644///Hockett F5	181.3	8	1	3.4	0.012

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 176.5 (N=48)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Haxby **Irrigated Locations (1)**

Plant Ht

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	31.5	50	-1	-3.5	0.001
MT970116	Craft	34.9	50	2.3	9.1	0
PI568246	Baronesse	30.8	50	-1.8	-5.5	0
SK 76333	Harrington	32.4	47	-0.2	-0.8	0.435
MT960101	Geraldine	30.4	45	-1.7	-6.1	0
6B952482	Tradition	35.3	40	2.4	6.9	0
MT010158	Amsterdam	31.9	35	-0.9	-2.8	0.008
MT010160	MT920041/Harrington	33.6	35	0.8	2.4	0.022
2B965057	Conrad	31.4	30	-1.2	-3.3	0.002
MT020155	MT960225/H1851195	33	30	0.4	1.1	0.293
MT020162	MT960225/H1851195	34.2	30	1.5	3.9	0
MT020204	MTLB 32/H1851195	32.6	30	-0.1	-0.2	0.861
MT020167	MT960225/H3860224	32.2	27	-0.4	-1.5	0.157
MT020205	MTLB 32/H1851195	33	27	0.4	1.2	0.257
MT030042	MT910189/MT960099	30.2	25	-1.6	-4.2	0
MT030063	MT950155/Harrington	34.1	25	2.2	6.8	0
MT030079	MT950186/MT960225	31.9	25	0.1	0.5	0.655
TR232	Metcalfe	32.4	22	0.7	2	0.055
MT040073	MT960045/Harrington	30.7	20	0.2	0.6	0.585
MT040209	MT960228/MT950186	30.4	20	-0.2	-0.4	0.68
MT050030	GS 1750/Bearpaw	30.1	16	0.6	1.1	0.286
MT050062	Harrington/MT960225	33	16	3.4	7.1	0
MT061032	Baronesse/MT981210	30.2	11	-0.5	-0.7	0.499
MT061035	Baronesse/MT981210	31	11	0.3	0.4	0.718
MT061104	Harrington/MT970229	32.1	11	1.5	2.9	0.015
MT061169	MT960101/Coors 37	30.2	11	-0.4	-0.8	0.427
MT070063	MT010178/MT970116	38.2	8	8.3	1.6	0.155
MT070086	MT970148/Coors37	23.7	8	-6.2	-4.2	0.004
MT070111	MT010178/Harrington	30.8	8	0.9	1.4	0.214
MT070125	MT981210/MT970116	30.8	8	0.9	1.3	0.232
MT070148	MT990172/Metcalfe	29.8	8	-0.1	-0.1	0.887
MT070156	MT970148/Klages	28.2	8	-1.7	-2.7	0.03
MT070157	MT970148/Klages	28.2	8	-1.6	-3.8	0.006
MT070158	MT970148/Klages	28.6	8	-1.3	-2.2	0.062
MT070159	MT970148/Klages	28.7	8	-1.1	-1.7	0.131
MT070161	MT970148/Klages	28.1	8	-1.8	-2.2	0.06
MT070175	LK644///Hockett F5	31.9	8	2	4.7	0.002

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 32.6 (N=50)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Haxby **Irrigated Locations (1)**

Protein %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	12.5	49	0	0.4	0.691
MT970116	Craft	12.4	49	0	-0.2	0.863
PI568246	Baronesse	12.3	49	-0.1	-0.8	0.434
SK 76333	Harrington	12.5	46	0	-0.1	0.96
MT960101	Geraldine	12.3	44	-0.2	-1.5	0.135
6B952482	Tradition	12.6	39	0.2	1.3	0.197
MT010158	Amsterdam	12.7	35	0.3	2.7	0.012
MT010160	MT920041/Harrington	12.6	35	0.3	2.5	0.017
2B965057	Conrad	13	30	0.7	6.5	0
MT020155	MT960225/H1851195	12.5	30	0.2	1.4	0.18
MT020162	MT960225/H1851195	12.7	30	0.4	3.5	0.002
MT020204	MTLB 32/H1851195	12.7	30	0.4	3.1	0.004
MT020167	MT960225/H3860224	12.8	27	0.5	4.3	0
MT020205	MTLB 32/H1851195	12.9	27	0.6	4.5	0
MT030042	MT910189/MT960099	11.5	25	-0.8	-5	0
MT030063	MT950155/Harrington	12.2	25	-0.1	-0.8	0.424
MT030079	MT950186/MT960225	12	25	-0.3	-2.8	0.01
TR232	Metcalfe	12.4	22	0.3	2.1	0.048
MT040073	MT960045/Harrington	12.5	20	0.4	3	0.007
MT040209	MT960228/MT950186	12.1	20	-0.1	-0.3	0.802
MT050030	GS 1750/Bearpaw	11.4	16	-0.7	-7.2	0
MT050062	Harrington/MT960225	11.1	16	-1	-7.4	0
MT061032	Baronesse/MT981210	11.6	11	-0.2	-0.9	0.378
MT061035	Baronesse/MT981210	11.6	11	-0.2	-0.7	0.485
MT061104	Harrington/MT970229	12	11	0.2	0.9	0.376
MT061169	MT960101/Coors 37	12.4	11	0.6	2.4	0.039
MT070063	MT010178/MT970116	11.8	8	-0.1	-0.6	0.584
MT070086	MT970148/Coors37	11	8	-0.9	-2.4	0.045
MT070111	MT010178/Harrington	11.6	8	-0.4	-1.2	0.264
MT070125	MT981210/MT970116	11.6	8	-0.4	-2	0.082
MT070148	MT990172/Metcalfe	12.1	8	0.1	0.7	0.481
MT070156	MT970148/Klages	11.5	8	-0.4	-1.7	0.142
MT070157	MT970148/Klages	11.5	8	-0.5	-1.7	0.125
MT070158	MT970148/Klages	11.7	8	-0.2	-1.2	0.268
MT070159	MT970148/Klages	11.6	8	-0.4	-1.4	0.217
MT070161	MT970148/Klages	11.6	8	-0.4	-1.8	0.115
MT070175	LK644///Hockett F5	10.6	8	-1.4	-7	0

THE MEAN FOR THE REFERENCE VARIETY HAXBY IS: 12.4 (N=49)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Statewide

ID	NAME	Yield			Test Weight			Plump %			Heading Date			Plant Height			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
MT910189	Hockett	2.7	1.8	0.081	1.7	8.3	0	4.2	2.9	0.005	-3	-10.5	0	-0.9	-3.8	0	0	0	0.972
MT970116	Craft	8	5.4	0	2.6	11.2	0	5.2	4.6	0	-2.4	-8.9	0	2.4	9.7	0	0	-0.1	0.943
PI568246	Baronesse	11.7	7.4	0	1.5	7.9	0	1.5	1.4	0.178	0.2	0.7	0.493	-1.7	-6.7	0	-0.1	-1.1	0.291
MT950186	Haxby	9.7	6.2	0	3	13	0	3.7	3.5	0	-2	-6.8	0	0.2	0.8	0.435	0	0.1	0.96
MT960101	Geraldine	8.1	5.1	0	1.2	6.6	0	-4.6	-4.5	0	1.5	6.2	0	-1.6	-6.6	0	-0.2	-1.5	0.134
6B952482	Tradition	2.5	1.3	0.197	0.1	0.4	0.661	4.9	3.1	0.004	-3.7	-12.1	0	2.5	6.2	0	0.1	0.5	0.643
MT010158	Amsterdam	3.8	1.7	0.096	1.6	5.7	0	4.6	3.4	0.002	-1.7	-5.8	0	-1	-3	0.005	0.2	1.5	0.14
MT010160	MT920041/Harrington	2.6	1.6	0.13	1.7	7.4	0	1.8	1.4	0.171	-0.7	-2.7	0.012	0.6	2.3	0.029	0.2	1.4	0.161
2B965057	Conrad	9.5	5.2	0	1.1	4.6	0	3.7	3.3	0.003	-0.6	-1.8	0.084	-1.4	-4.6	0	0.7	5.1	0
MT020155	MT960225/H1851195	9.7	5	0	0.9	3	0.006	-0.9	-0.7	0.508	-5.1	-13.1	0	0.1	0.2	0.873	0.1	0.5	0.59
MT020162	MT960225/H1851195	12.3	6.1	0	1.8	6.2	0	3.6	3.1	0.005	-0.5	-1.5	0.147	1.5	3.6	0.001	0.4	2.7	0.012
MT020167	MT960225/H3860224	2.8	1.6	0.131	1.5	4.2	0	3.2	2.7	0.012	-0.9	-3	0.006	-0.4	-1.2	0.259	0.5	3.5	0.002
MT020204	MTLB 32/H1851195	8	4.8	0	1.8	6.3	0	0	0	0.987	-3.1	-8.8	0	-0.2	-0.6	0.546	0.3	2.3	0.033
MT020205	MTLB 32/H1851195	8.5	5.4	0	1.6	5.5	0	1.7	1.2	0.245	-3.3	-10.6	0	0.4	1	0.326	0.6	3.6	0.001
MT030042	MT910189/MT960099	7	3	0.007	2.1	5.6	0	-0.8	-0.6	0.555	-2	-5.7	0	-1.9	-5.7	0	-0.8	-4.2	0
MT030063	MT950155/Harrington	9.1	4.9	0	2.5	6.5	0	4.5	2.7	0.013	-0.2	-0.9	0.398	1.8	4.9	0	-0.1	-0.7	0.463
MT030079	MT950186/MT960225	12	5.3	0	2.7	7.8	0	1.8	1.2	0.236	-1.2	-5.4	0	-0.2	-0.7	0.469	-0.3	-2	0.054
TR232	Metcalfe	-1.2	-0.8	0.451	0.3	1.8	0.084	0.1	0.1	0.936	-1.3	-3.4	0.002	0.4	1.6	0.134	0.3	2.9	0.008
MT040073	MT960045/Harrington	6.6	3.1	0.007	2.5	7.8	0	0.1	0.2	0.878	-1.7	-5	0	-0.5	-1.4	0.186	0.6	3.6	0.002
MT040209	MT960228/MT950186	13.1	4.9	0	1	3.4	0.004	-4.5	-3.4	0.003	0	-0.1	0.959	-1	-2.8	0.011	0.1	0.5	0.604
MT050030	GS 1750/Bearpaw	14.3	5.3	0	0.6	2.3	0.043	-1.1	-0.6	0.552	0.2	1	0.334	-0.6	-1.8	0.105	-0.3	-1.8	0.09
MT050062	Harrington/MT960225	10.5	5.1	0	1.4	5.2	0	0.6	0.5	0.606	-0.1	-0.2	0.87	2.6	6.6	0	-0.6	-4.8	0
MT061032	Baronesse/MT981210	15	4.7	0.002	0.7	1.8	0.12	-1.7	-1.3	0.225	0.4	1.7	0.127	-1.6	-2.7	0.029	0.1	1.1	0.323
MT061035	Baronesse/MT981210	16.1	4.6	0.002	0.5	1	0.349	-1.4	-1.5	0.174	0.4	1.3	0.249	-0.7	-0.8	0.455	0.2	1.3	0.243
MT061104	Harrington/MT970229	2.6	1.3	0.219	0.7	1.8	0.121	0.4	0.3	0.747	-1.7	-3.1	0.017	0	0	0.967	0.5	2	0.082
MT061169	MT960101/Coors 37	7.8	2.9	0.021	1	2	0.085	-1.9	-3.1	0.018	0.2	1	0.336	-2	-4.4	0.003	0.8	6.6	0
MT070063	MT010178/MT970116	6	2	0.092	1.1	2.7	0.033	-1.2	-1.7	0.125	-2.1	-5	0.001	7	1.3	0.239	0.3	1.4	0.2
MT070086	MT970148/Coors37	9.5	2.1	0.075	0.3	0.7	0.499	-0.4	-0.6	0.589	0.9	1.8	0.117	-7.5	-7.3	0	-0.5	-1.9	0.103
MT070111	MT010178/Harrington	2.8	0.8	0.434	1	3.6	0.009	-0.8	-1.9	0.1	0	0.1	0.904	-0.4	-1	0.334	0.1	0.5	0.63
MT070125	MT981210/MT970116	6	2.2	0.061	1.1	3.2	0.016	0.5	0.8	0.446	0.2	0.6	0.566	-0.4	-0.5	0.605	0.1	0.4	0.702
MT070148	MT990172/Metcalfe	5.7	2.3	0.053	1.1	3.4	0.011	2.6	2.4	0.049	-1.7	-7.6	0	-1.5	-2.4	0.049	0.6	2.8	0.025
MT070156	MT970148/Klages	11.6	7.2	0	0.3	0.8	0.45	-0.1	-0.1	0.888	-1.5	-3.2	0.016	-3.1	-9.1	0	0	0	0.981
MT070157	MT970148/Klages	10.7	2.9	0.023	0.9	2	0.086	0.6	1	0.367	-1.9	-3.9	0.006	-3	-5.7	0.001	0	-0.2	0.831
MT070158	MT970148/Klages	11	3.3	0.013	1	2.1	0.074	0.9	1.4	0.205	-1.3	-3.4	0.012	-2.6	-5.1	0.001	0.2	1.4	0.217
MT070159	MT970148/Klages	10.6	4.1	0.005	0.4	1	0.35	-0.7	-1.2	0.279	-1.9	-4.2	0.004	-2.5	-5.2	0.001	0	0.4	0.724
MT070161	MT970148/Klages	10.6	2.7	0.029	0.7	1.4	0.194	0.7	1	0.342	-2.2	-5.9	0.001	-3.1	-4.8	0.002	0.1	0.5	0.612
MT070175	LK644///Hockett F5	8.1	2.2	0.062	0.5	1.4	0.216	0.1	0.1	0.931	-1.2	-2.9	0.022	0.7	1.3	0.245	-0.9	-5	0.002
The Mean of the Reference Variety Harrington is:		11.7 N=48			50 N=48			82.6 N=48			178.2 N=46			32.3 N=48			12.5 N=47		

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Yield

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	114.5	48	2.7	1.8	0.081
MT970116	Craft	119.7	48	8	5.4	0
PI568246	Baronesse	123.4	48	11.7	7.4	0
MT950186	Haxby	121.7	47	9.7	6.2	0
MT960101	Geraldine	118.8	43	8.1	5.1	0
6B952482	Tradition	111	38	2.5	1.3	0.197
MT010158	Amsterdam	112.6	33	3.8	1.7	0.096
MT010160	MT920041/Harrington	111.4	33	2.6	1.6	0.13
2B965057	Conrad	116.1	28	9.5	5.2	0
MT020155	MT960225/H1851195	116.3	28	9.7	5	0
MT020162	MT960225/H1851195	118.9	28	12.3	6.1	0
MT020167	MT960225/H3860224	109.5	28	2.8	1.6	0.131
MT020204	MTLB 32/H1851195	114.7	28	8	4.8	0
MT020205	MTLB 32/H1851195	115.1	28	8.5	5.4	0
MT030042	MT910189/MT960099	110.6	23	7	3	0.007
MT030063	MT950155/Harrington	112.6	23	9.1	4.9	0
MT030079	MT950186/MT960225	115.6	23	12	5.3	0
TR232	Metcalfe	106.8	23	-1.2	-0.8	0.451
MT040073	MT960045/Harrington	111.1	18	6.6	3.1	0.007
MT040209	MT960228/MT950186	117.6	18	13.1	4.9	0
MT050030	GS 1750/Bearpaw	120.5	13	14.3	5.3	0
MT050062	Harrington/MT960225	116.7	13	10.5	5.1	0
MT061032	Baronesse/MT981210	133.7	8	15	4.7	0.002
MT061035	Baronesse/MT981210	134.8	8	16.1	4.6	0.002
MT061104	Harrington/MT970229	121.3	8	2.6	1.3	0.219
MT061169	MT960101/Coors 37	126.4	8	7.8	2.9	0.021
MT070063	MT010178/MT970116	124.7	8	6	2	0.092
MT070086	MT970148/Coors37	128.2	8	9.5	2.1	0.075
MT070111	MT010178/Harrington	121.4	8	2.8	0.8	0.434
MT070125	MT981210/MT970116	124.7	8	6	2.2	0.061
MT070148	MT990172/Metcalfe	124.4	8	5.7	2.3	0.053
MT070156	MT970148/Klages	130.3	8	11.6	7.2	0
MT070157	MT970148/Klages	129.3	8	10.7	2.9	0.023
MT070158	MT970148/Klages	129.7	8	11	3.3	0.013
MT070159	MT970148/Klages	129.2	8	10.6	4.1	0.005
MT070161	MT970148/Klages	129.3	8	10.6	2.7	0.029
MT070175	LK644///Hockett F5	126.8	8	8.1	2.2	0.062

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 111.7 (N=48)

(1) Irrigated Locations; Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Test Wt

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	51.7	48	1.7	8.3	0
MT970116	Craft	52.6	48	2.6	11.2	0
PI568246	Baronesse	51.6	48	1.5	7.9	0
MT950186	Haxby	52.9	47	3	13	0
MT960101	Geraldine	51	43	1.2	6.6	0
6B952482	Tradition	50.2	38	0.1	0.4	0.661
MT010158	Amsterdam	51.8	33	1.6	5.7	0
MT010160	MT920041/Harrington	51.9	33	1.7	7.4	0
2B965057	Conrad	51.4	28	1.1	4.6	0
MT020155	MT960225/H1851195	51.2	28	0.9	3	0.006
MT020162	MT960225/H1851195	52.1	28	1.8	6.2	0
MT020167	MT960225/H3860224	51.8	28	1.5	4.2	0
MT020204	MTLB 32/H1851195	52.1	28	1.8	6.3	0
MT020205	MTLB 32/H1851195	51.9	28	1.6	5.5	0
MT030042	MT910189/MT960099	52.2	23	2.1	5.6	0
MT030063	MT950155/Harrington	52.5	23	2.5	6.5	0
MT030079	MT950186/MT960225	52.7	23	2.7	7.8	0
TR232	Metcalfe	51.2	23	0.3	1.8	0.084
MT040073	MT960045/Harrington	53.2	18	2.5	7.8	0
MT040209	MT960228/MT950186	51.7	18	1	3.4	0.004
MT050030	GS 1750/Bearpaw	51.4	13	0.6	2.3	0.043
MT050062	Harrington/MT960225	52.2	13	1.4	5.2	0
MT061032	Baronesse/MT981210	51.6	8	0.7	1.8	0.12
MT061035	Baronesse/MT981210	51.4	8	0.5	1	0.349
MT061104	Harrington/MT970229	51.6	8	0.7	1.8	0.121
MT061169	MT960101/Coors 37	51.9	8	1	2	0.085
MT070063	MT010178/MT970116	52	8	1.1	2.7	0.033
MT070086	MT970148/Coors37	51.2	8	0.3	0.7	0.499
MT070111	MT010178/Harrington	51.9	8	1	3.6	0.009
MT070125	MT981210/MT970116	52	8	1.1	3.2	0.016
MT070148	MT990172/Metcalfe	52	8	1.1	3.4	0.011
MT070156	MT970148/Klages	51.2	8	0.3	0.8	0.45
MT070157	MT970148/Klages	51.8	8	0.9	2	0.086
MT070158	MT970148/Klages	51.9	8	1	2.1	0.074
MT070159	MT970148/Klages	51.3	8	0.4	1	0.35
MT070161	MT970148/Klages	51.6	8	0.7	1.4	0.194
MT070175	LK644///Hockett F5	51.4	8	0.5	1.4	0.216

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 50.0 (N=48)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Plump %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	86.8	48	4.2	2.9	0.005
MT970116	Craft	87.8	48	5.2	4.6	0
PI568246	Baronesse	84.1	48	1.5	1.4	0.178
MT950186	Haxby	86	47	3.7	3.5	0
MT960101	Geraldine	77.2	43	-4.6	-4.5	0
6B952482	Tradition	89	38	4.9	3.1	0.004
MT010158	Amsterdam	88.7	33	4.6	3.4	0.002
MT010160	MT920041/Harrington	85.9	33	1.8	1.4	0.171
2B965057	Conrad	88.3	28	3.7	3.3	0.003
MT020155	MT960225/H1851195	83.6	28	-0.9	-0.7	0.508
MT020162	MT960225/H1851195	88.2	28	3.6	3.1	0.005
MT020167	MT960225/H3860224	87.8	28	3.2	2.7	0.012
MT020204	MTLB 32/H1851195	84.5	28	0	0	0.987
MT020205	MTLB 32/H1851195	86.2	28	1.7	1.2	0.245
MT030042	MT910189/MT960099	82.5	23	-0.8	-0.6	0.555
MT030063	MT950155/Harrington	87.8	23	4.5	2.7	0.013
MT030079	MT950186/MT960225	85.2	23	1.8	1.2	0.236
TR232	Metcalfe	86.1	23	0.1	0.1	0.936
MT040073	MT960045/Harrington	85.1	18	0.1	0.2	0.878
MT040209	MT960228/MT950186	80.5	18	-4.5	-3.4	0.003
MT050030	GS 1750/Bearpaw	83.8	13	-1.1	-0.6	0.552
MT050062	Harrington/MT960225	85.4	13	0.6	0.5	0.606
MT061032	Baronesse/MT981210	91.1	8	-1.7	-1.3	0.225
MT061035	Baronesse/MT981210	91.5	8	-1.4	-1.5	0.174
MT061104	Harrington/MT970229	93.2	8	0.4	0.3	0.747
MT061169	MT960101/Coors 37	90.9	8	-1.9	-3.1	0.018
MT070063	MT010178/MT970116	91.6	8	-1.2	-1.7	0.125
MT070086	MT970148/Coors37	92.4	8	-0.4	-0.6	0.589
MT070111	MT010178/Harrington	92.1	8	-0.8	-1.9	0.1
MT070125	MT981210/MT970116	93.4	8	0.5	0.8	0.446
MT070148	MT990172/Metcalfe	95.4	8	2.6	2.4	0.049
MT070156	MT970148/Klages	92.7	8	-0.1	-0.1	0.888
MT070157	MT970148/Klages	93.4	8	0.6	1	0.367
MT070158	MT970148/Klages	93.7	8	0.9	1.4	0.205
MT070159	MT970148/Klages	92.1	8	-0.7	-1.2	0.279
MT070161	MT970148/Klages	93.5	8	0.7	1	0.342
MT070175	LK644///Hockett F5	92.9	8	0.1	0.1	0.931

THE MEAN FOR THE REFERNCE VARIETY HARRINGTON IS: 82.6 (N=48)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Heading Date

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	175.2	46	-3	-10.5	0
MT970116	Craft	175.8	46	-2.4	-8.9	0
PI568246	Baronesse	178.4	46	0.2	0.7	0.493
MT950186	Haxby	176.3	45	-2	-6.8	0
MT960101	Geraldine	179.8	41	1.5	6.2	0
6B952482	Tradition	175.6	37	-3.7	-12.1	0
MT010158	Amsterdam	177	32	-1.7	-5.8	0
MT010160	MT920041/Harrington	178	32	-0.7	-2.7	0.012
2B965057	Conrad	178.3	27	-0.6	-1.8	0.084
MT020155	MT960225/H1851195	173.8	27	-5.1	-13.1	0
MT020162	MT960225/H1851195	178.4	27	-0.5	-1.5	0.147
MT020167	MT960225/H3860224	178	27	-0.9	-3	0.006
MT020204	MTLB 32/H1851195	175.7	27	-3.1	-8.8	0
MT020205	MTLB 32/H1851195	175.6	27	-3.3	-10.6	0
MT030042	MT910189/MT960099	177.2	22	-2	-5.7	0
MT030063	MT950155/Harrington	179	22	-0.2	-0.9	0.398
MT030079	MT950186/MT960225	178	22	-1.2	-5.4	0
TR232	Metcalfe	177.6	22	-1.3	-3.4	0.002
MT040073	MT960045/Harrington	177.6	17	-1.7	-5	0
MT040209	MT960228/MT950186	179.2	17	0	-0.1	0.959
MT050030	GS 1750/Bearpaw	180.4	13	0.2	1	0.334
MT050062	Harrington/MT960225	180.1	13	-0.1	-0.2	0.87
MT061032	Baronesse/MT981210	182.9	8	0.4	1.7	0.127
MT061035	Baronesse/MT981210	182.8	8	0.4	1.3	0.249
MT061104	Harrington/MT970229	180.7	8	-1.7	-3.1	0.017
MT061169	MT960101/Coors 37	182.7	8	0.2	1	0.336
MT070063	MT010178/MT970116	180.4	8	-2.1	-5	0.001
MT070086	MT970148/Coors37	183.3	8	0.9	1.8	0.117
MT070111	MT010178/Harrington	182.4	8	0	0.1	0.904
MT070125	MT981210/MT970116	182.7	8	0.2	0.6	0.566
MT070148	MT990172/Metcalfe	180.7	8	-1.7	-7.6	0
MT070156	MT970148/Klages	180.9	8	-1.5	-3.2	0.016
MT070157	MT970148/Klages	180.6	8	-1.9	-3.9	0.006
MT070158	MT970148/Klages	181.1	8	-1.3	-3.4	0.012
MT070159	MT970148/Klages	180.5	8	-1.9	-4.2	0.004
MT070161	MT970148/Klages	180.2	8	-2.2	-5.9	0.001
MT070175	LK644///Hockett F5	181.3	8	-1.2	-2.9	0.022

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 178.2 (N=46)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Loctions(1)**

Plant Ht

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	31.4	48	-0.9	-3.8	0
MT970116	Craft	34.7	48	2.4	9.7	0
PI568246	Baronesse	30.6	48	-1.7	-6.7	0
MT950186	Haxby	32.6	47	0.2	0.8	0.435
MT960101	Geraldine	30.3	43	-1.6	-6.6	0
6B952482	Tradition	35.1	38	2.5	6.2	0
MT010158	Amsterdam	31.8	33	-1	-3	0.005
MT010160	MT920041/Harrington	33.3	33	0.6	2.3	0.029
2B965057	Conrad	31.2	28	-1.4	-4.6	0
MT020155	MT960225/H1851195	32.6	28	0.1	0.2	0.873
MT020162	MT960225/H1851195	34.1	28	1.5	3.6	0.001
MT020167	MT960225/H3860224	32.2	28	-0.4	-1.2	0.259
MT020204	MTLB 32/H1851195	32.4	28	-0.2	-0.6	0.546
MT020205	MTLB 32/H1851195	33	28	0.4	1	0.326
MT030042	MT910189/MT960099	29.9	23	-1.9	-5.7	0
MT030063	MT950155/Harrington	33.6	23	1.8	4.9	0
MT030079	MT950186/MT960225	31.5	23	-0.2	-0.7	0.469
TR232	Metcalfe	32.4	23	0.4	1.6	0.134
MT040073	MT960045/Harrington	30.3	18	-0.5	-1.4	0.186
MT040209	MT960228/MT950186	29.8	18	-1	-2.8	0.011
MT050030	GS 1750/Bearpaw	29.3	13	-0.6	-1.8	0.105
MT050062	Harrington/MT960225	32.5	13	2.6	6.6	0
MT061032	Baronesse/MT981210	29.6	8	-1.6	-2.7	0.029
MT061035	Baronesse/MT981210	30.5	8	-0.7	-0.8	0.455
MT061104	Harrington/MT970229	31.2	8	0	0	0.967
MT061169	MT960101/Coors 37	29.2	8	-2	-4.4	0.003
MT070063	MT010178/MT970116	38.2	8	7	1.3	0.239
MT070086	MT970148/Coors37	23.7	8	-7.5	-7.3	0
MT070111	MT010178/Harrington	30.8	8	-0.4	-1	0.334
MT070125	MT981210/MT970116	30.8	8	-0.4	-0.5	0.605
MT070148	MT990172/Metcalfe	29.8	8	-1.5	-2.4	0.049
MT070156	MT970148/Klages	28.2	8	-3.1	-9.1	0
MT070157	MT970148/Klages	28.2	8	-3	-5.7	0.001
MT070158	MT970148/Klages	28.6	8	-2.6	-5.1	0.001
MT070159	MT970148/Klages	28.7	8	-2.5	-5.2	0.001
MT070161	MT970148/Klages	28.1	8	-3.1	-4.8	0.002
MT070175	LK644///Hockett F5	31.9	8	0.7	1.3	0.245

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 32.3 (N=48)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2000-2010 Spring Barley T-Paired Results vs Harrington **Irrigated Locations (1)**

Protein %

ID	NAME	ACTUAL MEAN	NO. OBS	MEAN DIFF	T-PAIRED VALUE	P-VALUE
MT910189	Hockett	12.5	47	0	0	0.972
MT970116	Craft	12.5	47	0	-0.1	0.943
PI568246	Baronesse	12.3	47	-0.1	-1.1	0.291
MT950186	Haxby	12.5	46	0	0.1	0.96
MT960101	Geraldine	12.3	42	-0.2	-1.5	0.134
6B952482	Tradition	12.6	37	0.1	0.5	0.643
MT010158	Amsterdam	12.7	33	0.2	1.5	0.14
MT010160	MT920041/Harrington	12.6	33	0.2	1.4	0.161
2B965057	Conrad	13	28	0.7	5.1	0
MT020155	MT960225/H1851195	12.4	28	0.1	0.5	0.59
MT020162	MT960225/H1851195	12.7	28	0.4	2.7	0.012
MT020167	MT960225/H3860224	12.8	28	0.5	3.5	0.002
MT020204	MTLB 32/H1851195	12.7	28	0.3	2.3	0.033
MT020205	MTLB 32/H1851195	12.9	28	0.6	3.6	0.001
MT030042	MT910189/MT960099	11.5	23	-0.8	-4.2	0
MT030063	MT950155/Harrington	12.1	23	-0.1	-0.7	0.463
MT030079	MT950186/MT960225	11.9	23	-0.3	-2	0.054
TR232	Metcalfe	12.4	23	0.3	2.9	0.008
MT040073	MT960045/Harrington	12.5	18	0.6	3.6	0.002
MT040209	MT960228/MT950186	12	18	0.1	0.5	0.604
MT050030	GS 1750/Bearpaw	11.5	13	-0.3	-1.8	0.09
MT050062	Harrington/MT960225	11.2	13	-0.6	-4.8	0
MT061032	Baronesse/MT981210	11.7	8	0.1	1.1	0.323
MT061035	Baronesse/MT981210	11.7	8	0.2	1.3	0.243
MT061104	Harrington/MT970229	12	8	0.5	2	0.082
MT061169	MT960101/Coors 37	12.3	8	0.8	6.6	0
MT070063	MT010178/MT970116	11.8	8	0.3	1.4	0.2
MT070086	MT970148/Coors37	11	8	-0.5	-1.9	0.103
MT070111	MT010178/Harrington	11.6	8	0.1	0.5	0.63
MT070125	MT981210/MT970116	11.6	8	0.1	0.4	0.702
MT070148	MT990172/Metcalfe	12.1	8	0.6	2.8	0.025
MT070156	MT970148/Klages	11.5	8	0	0	0.981
MT070157	MT970148/Klages	11.5	8	0	-0.2	0.831
MT070158	MT970148/Klages	11.7	8	0.2	1.4	0.217
MT070159	MT970148/Klages	11.6	8	0	0.4	0.724
MT070161	MT970148/Klages	11.6	8	0.1	0.5	0.612
MT070175	LK644///Hockett F5	10.6	8	-0.9	-5	0.002

THE MEAN FOR THE REFERENCE VARIETY HARRINGTON IS: 12.5 (N=47)

(1) Irrigated Locations: Bozeman, Sidney, and Huntley

2010 Spring Barley Recrop Offstation **Sidney**

EX368110

ID	Pedigree	Yield (bu/ac)	Test Wt (lbs/bu)	Plump %	Plant Ht (in)	Heading Date
2B965057	Conrad	55.37	50.50	96.00	55.00	179.33
BZ596117	WPB BZ596-117	53.89	52.50	95.00	53.33	179.00
Goldeneye	Goldeneye	61.94	50.00	88.00	59.67	178.00
MT010158	MT920041/Harrington	47.79	52.00	97.00	54.67	178.33
MT010160	MT920041/Harrington	60.67	50.00	89.00	60.33	179.67
MT020155	MT960225/H1851195	65.62	50.50	94.00	62.67	176.33
MT030042	MT910189/MT960099	54.56	52.00	92.00	57.67	178.67
MT050030	GS 1750/Bearpaw	58.25	52.00	97.00	51.67	180.33
MT910189	Hockett	60.89	50.50	95.00	63.33	177.33
MT950186	Haxby	51.01	54.00	95.00	55.67	178.67
MT960101	Geraldine	54.82	50.00	84.00	53.67	180.33
PI491534	Gallatin	54.59	51.00	93.00	66.67	178.00
PI643354	Pinnacle	46.49	51.00	99.00	48.67	178.00
SK 76333	Harrington	53.95	49.50	94.00	53.67	178.67
TR232	Metcalfe	53.07	49.50	90.00	61.33	177.33
YU501385	Champion	53.71	52.00	96.00	58.33	179.67
Mean		55.42	51.06	93.38	57.27	178.60

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump %	Plant Ht (in)	Heading Date
Total Observations	48	48	48	48	48
No. of Replications	3	1	1	3	3
No. of Varieties	16	16	16	16	16
Rep. Mean Square	8.33	***	***	78.27	2.02
Var. Mean Square	76.86	***	***	69.70	3.70
Error Mean Square	49.06	***	***	20.52	0.40
Error Degrees of Freedom	30	***	***	30	30
F Test for Replications	0.17	***	***	3.82	5.07
F Test for Varieties	1.57	***	***	3.40	9.28
Coefficient of Variation	12.64	***	***	7.91	0.35
Lsd (.05)	11.68	***	***	7.55	1.05

2010 Spring Barley Dryland Offstation **Sidney**

EX370310

ID	PEDIGREE	Yield (bu/ac)	Test Wt (lbs/bu)	Plump %	Plant Ht (in)	Heading Date	Protein %
2B965057	Conrad	88.08	48.50	91.00	61.33	178.00	13.00
BZ596117	WPB BZ596-117	81.14	50.00	84.00	68.67	178.67	15.60
Goldeneye	Goldeneye	83.85	47.00	64.00	72.33	175.33	13.70
MT010158	MT920041/Harrington	83.16	50.50	89.00	68.33	177.33	12.60
MT010160	MT920041/Harrington	81.62	45.00	55.00	74.67	177.67	16.30
MT020155	MT960225/H1851195	83.95	49.00	87.00	71.00	176.00	12.90
MT030042	MT910189/MT960099	83.67	50.50	81.00	67.67	176.67	11.70
MT050030	GS 1750/Bearpaw	81.74	48.50	84.00	73.33	180.00	13.40
MT910189	Hockett	74.53	49.00	88.00	68.67	176.00	12.80
MT950186	Haxby	91.40	49.00	81.00	71.00	177.67	14.10
MT960101	Geraldine	80.97	50.00	83.00	70.67	179.67	13.80
PI491534	Gallatin	76.02	47.00	70.00	72.00	177.00	15.50
PI643354	Pinnacle	81.20	50.00	92.00	66.00	176.33	11.30
SK 76333	Harrington	79.64	45.00	78.00	73.33	179.00	14.50
TR232	Metcalfe	78.05	47.00	81.00	73.00	178.33	13.90
YU501385	Champion	95.10	50.50	88.00	70.00	177.67	11.60
Mean		82.76	48.53	81.00	70.13	177.58	13.54

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump %	Plant Ht (in)	Heading Date	Protein %
Total Observations	48	48	48	48	48	48
No. of Replications	3	1	1	3	3	1
No. of Varieties	16	16	16	16	16	16
Rep. Mean Square	50.30	***	***	39.00	0.40	***
Var. Mean Square	82.88	***	***	35.51	5.40	***
Error Mean Square	32.99	***	***	18.16	0.79	***
Error Degrees of Freedom	30	***	***	30	30	***
F Test for Replications	1.52	***	***	2.15	0.50	***
F Test for Varieties	2.51	***	***	1.85	6.79	***
Coefficient of Variation	6.94	***	***	6.08	0.50	***
Lsd (.05)	9.58	***	***	7.11	1.49	***

2010 Spring Barley Irrigated Offstation **Sidney**

EX370410

ID	Pedigree	Yield (bu/ac)	Test Wt (lbs/bu)	Plump %	Plant Ht (in)	Heading Date	Protein %	Lodging
2B965057	Conrad	116.97	49.00	93.00	71.00	182.67	12.85	1.00
BZ596117	WPB BZ596-117	109.75	51.00	94.00	72.67	182.00	13.22	1.00
Goldeneye	Goldeneye	95.40	47.00	82.00	73.00	180.00	13.25	2.00
MT010158	MT920041/Harrington	83.05	48.00	88.00	73.33	182.00	13.48	2.67
MT010160	MT920041/Harrington	92.19	49.00	89.00	79.00	183.00	12.34	4.33
MT020155	MT960225/H1851195	113.36	48.00	85.00	76.67	179.67	12.26	3.00
MT030042	MT910189/MT960099	102.27	49.50	86.00	69.67	180.67	11.74	3.33
MT050030	GS 1750/Bearpaw	117.10	49.00	90.00	76.33	182.00	11.70	1.67
MT910189	Hockett	107.21	49.50	90.00	74.00	181.00	11.87	3.00
MT950186	Haxby	112.28	50.50	90.00	68.33	181.00	12.44	1.67
MT960101	Geraldine	110.93	50.00	90.00	71.67	183.00	12.04	0.33
PI491534	Gallatin	111.50	49.50	86.00	76.33	181.00	12.48	2.33
PI643354	Pinnacle	100.81	48.50	97.00	73.00	181.00	10.98	1.33
SK 76333	Harrington	101.41	48.50	92.00	74.00	182.33	12.51	3.33
TR232	Metcalfe	105.40	49.50	91.00	78.33	182.00	13.66	2.00
YU501385	Champion	112.71	50.00	93.00	73.67	181.33	11.90	1.67
Mean		105.77	49.16	89.75	73.81	181.54	12.42	2.17

	Yield (bu/ac)	Test Wt (lbs/bu)	Plump %	Plant Ht (in)	Heading Date	Protein %	Lodging
Total Observations	48	48	48	48	48	48	48
No. of Replications	3	1	1	3	3	1	3
No. of Varieties	16	16	16	16	16	16	16
Rep. Mean Square	143.46	***	***	19.31	0.15	***	3.96
Var. Mean Square	268.68	***	***	26.18	2.97	***	3.33
Error Mean Square	51.68	***	***	19.60	0.17	***	0.80
Error Degrees of Freedom	30	***	***	30	30	***	30
F Test for Replications	2.78	***	***	0.99	0.87	***	4.27
F Test for Varieties	5.20	***	***	1.34	17.69	***	4.19
Coefficient of Variation	6.80	***	***	6.00	0.23	***	41.17
Lsd (.05)	11.99	***	***	7.38	0.68	***	1.49

Agronomic data from the barley off-station nursery. Kalispell, MT 2010.

Cultivar	Yield	TWT	Grain Moisture	Plump	Heading	Height
	Bu/A	lb/A	%	%	Julian	inches
Goldeneye	132.1	50.9	12.0	89.7	177.7	35.3
MT050030	106.7	52.7	12.7	97.6	187.7	32.7
MT010158	106.5	53.4	12.9	95.0	181.7	33.3
Conrad	103.4	51.9	12.4	91.9	184.7	32.2
Hockett	102.6	55.1	13.1	94.0	182.3	34.8
MT030042	97.8	53.1	12.7	85.7	184.0	32.0
Champion	97.3	53.8	13.1	97.2	180.3	34.5
Harrington	95.5	52.3	12.2	95.0	183.3	34.1
Haxby	95.1	53.5	12.3	92.8	179.3	32.0
MT020155	94.1	52.8	12.1	94.5	179.3	35.2
MT010160	92.6	52.2	12.4	93.2	185.7	34.0
Gallatin	85.2	52.8	12.7	94.2	179.7	36.2
Pinnacle	83.8	51.9	13.1	98.2	179.3	32.2
Geraldine	83.7	51.6	12.2	83.4	191.3	31.1
Metcalfe	82.2	50.8	12.1	88.5	183.3	33.5
BZ596117	76.4	53.1	12.0	93.2	190.7	28.6
MIN	76.4	50.8	12.0	83.4	177.7	28.6
MAX	132.1	55.1	13.1	98.2	191.3	36.2
MEAN	95.9	52.6	12.5	92.8	183.1	33.2
LSD (P=.05)	26.58	1.74	0.63	4.04	3.06	10.06
CV	16.61	1.98	3.03	2.61	1.00	7.15
Trt (Pr>F)	0.0432	0.0024	0.0025	<.0001	<.0001	0.0639

2010 No-till recrop off-station barley variety performance near Moccasin.
exp 367010 Central Agricultural Research Center. Moccasin, Montana.

ID	Pedigree	Entry	Head Date	Plant Height	Grain Yield	Test Weight	Protein Content	Plump	Kernel Size Regular	Thin	Seeds Germinated 96h	>96h
			Julian	cm	bu/a	lbs/bu	%	%	%	%	#	#
Goldeneye	PI639193	1	182	79	60.2	49.0	11.1	68	22	10	24	23
Harrington	SK 76333	2	185	70	39.7	50.5	12.1	70	20	10	45	5
Haxby	MT950186	3	181	78	58.8	53.2	10.9	76	18	6	39	11
Metcalfe	TR232	4	183	79	45.7	50.7	11.6	76	18	7	35	11
Hockett	MT910189	5	183	75	56.4	52.4	12.0	83	13	4	39	13
Geraldine	MT960101	6	188	75	55.5	51.5	12.1	61	27	12	28	16
Conrad	2B965057	7	186	71	55.9	50.5	12.8	82	14	4	26	17
Champion	YU501385	8	184	74	51.1	51.3	11.1	75	19	6	38	12
Pinnacle	PI643354	9	181	80	51.6	51.3	10.1	90	7	3	39	9
MT010158	MT920041/Harrington	10	181	77	48.1	51.0	11.8	75	18	8	31	11
MT030042	MT910189/MT960099	11	181	77	64.5	53.2	11.0	77	17	6	40	6
MT020155	MT960225/H1851195	12	183	77	53.1	50.7	12.3	78	16	6	40	7
MT050030	GS 1750/Bearpaw	13	180	81	58.5	52.3	11.1	86	11	3	44	6
BZ596117	WPB BZ596-117	14	184	79	63.1	52.8	10.7	90	6	4	43	7
Gallatin	PI491534	15	183	77	59.6	51.1	10.9	64	23	13	39	11
MT010160	MT920041/Harrington	16	184	81	62.5	52.2	10.3	67	21	12	45	4
Mean			183.1	76.9	55.27	51.45	11.37	76.1	16.8	7.1	36.9	10.4
P-value			0.00	0.35	0.10	0.00					0.00	0.04
CV1			0.5	6.8	16.2	1.3					11.1	41.8
LSD (0.05)			1.42	8.69	14.91	1.44					8.7	9.2
count per mean			3	3	3	2	1				2	2

Seed date: 12-Apr- 2010 No-till recrop into winter wheat stubble harvest Date:17 Aug 2010
Soil: two inch temp.: 6C / 43F Soil Moist Probe: 17" Crop Year Precipitation (Sept-Aug.) 17.65 inches
Fertilizer: w/seed 50 11-52-0 Topdress: 60 N as urea Weed Control: 2 pints bronate

2010 No-till continuous crop off-station barley variety performance near Denton.
exp 367110 Central Agricultural Research Center. Moccasin, Montana.

			Plant	Grain	Test	Protein		Kernel Size		Seeds Germinated	
ID	Pedigree	Entry	Height	Yield	Weight	Content	Plump	Regular	Thin	96h	>96h
			cm	bu/a	lbs/bu	%	%	%	%	#	#
BZ596117	WPB BZ596-117	14	70	58.0	54.1	13.1	**93**	6	2	42	8
Champion	YU501385	8	66	50.0	54.9	12.4	85	9	7	47	2
Conrad	2B965057	7	67	56.1	53.0	12.5	78	19	3	39	**11**
Gallatin	PI491534	15	76	51.5	53.5	12.7	75	17	8	46	4
Geraldine	MT960101	6	67	50.7	53.0	13.3	51	**34**	**16**	39	**11**
Goldeneye	PI639193	1	72	**58.8**	51.1	12.8	58	27	15	47	3
Harrington	SK 76333	2	77	47.2	53.1	**13.9**	70	22	8	46	4
Haxby	**MT950186**	3	63	58.4	54.2	12.1	70	25	5	44	6
Hockett	MT910189	5	72	46.7	53.9	12.2	76	17	8	45	5
Metcalfe	TR232	4	72	48.6	52.8	13.4	61	28	11	**49**	1
MT010158	MT920041/Harrington	10	73	57.8	54.5	13.4	87	9	5	47	3
MT010160	MT920041/Harrington	16	**74**	53.3	**54.8**	12.3	81	14	5	48	2
MT020155	MT960225/H1851195	12	69	52.6	53.3	12.2	82	13	5	45	5
MT030042	MT910189/MT960099	11	**65**	50.4	54.2	11.8	64	23	13	41	8
MT050030	GS 1750/Bearpaw	13	66	54.7	53.8	11.3	87	10	3	43	7
Pinnacle	PI643354	9	73	55.9	54.3	11.6	91	5	4	44	6
Mean			70.1	53.17	53.62	12.56	75.5	17.2	7.3	44.3	5.3
P-value				0.00	0.01					0.59	0.53
CV1				6.9	1.3					10.0	80.9
LSD(0.05)				6.15	1.52					9.4	9.1
Counter per mean			1	3	2	1	1	1	1	2	2

Seed date: 21 April 2010 No-till recrop into lentil stubble Harvest Date: 27Aug 10
Soil: Two inch depth temp.: 16 C / 61F Moist Probe depth: 23 inches
Fertilizer: W/seed 50 lbs 11-52-0 Topdress: 60 N as urea

Performance of 20 spring barley cultivars and experimental lines tested under dryland conditions near Huntley, Montana during 2010. Cultivars listed alphabetically. (Exp. 103690).

Cultivar	1/ Grain Yield			Test Weight	Grain Moisture	2/ Grain Protein	Plump Kernels	Thin Kernels	Plant Height	Heading date	
	2010	2009-10	2008-10							Julian	Calendar
	- bushels/acre -			- lb/bu -	- % -	- % -	- % -	- % -	- inches		
Commercial											
AC Metcalfe	97.4	82.9	83.2	51.2	11.1	11.4	94.8	2.0	37.9	165.0	13-Jun
Baronesse	**109.1***	**93.6***	**95.1***	51.7	10.9	10.5	91.7	3.1	34.5	167.0	15-Jun
Boulder	**115.6***	**94.6***	**97.8****	51.5	10.8	10.9	93.1	2.7	36.2	167.0	15-Jun
Champion	**111.3***	**94.7****		52.2	10.8	10.7	94.6	2.2	35.7	166.3	14-Jun
Conrad	101.8	**87.6***	**89.6***	52.0	11.1	10.9	95.2	1.9	33.6	168.3	16-Jun
Craft	92.8	78.1	81.1	52.4	10.5	11.5	96.2	1.5	38.1	165.0	13-Jun
Gallatin	101.9	83.7		52.1	11.0	10.9	92.9	2.5	34.1	166.0	14-Jun
Geraldine	**110.3***	**93.9***	**88.2***	51.8	11.1	10.8	90.3	3.5	34.3	170.3	17-Jun
Harrington	97.7	82.2	81.6	51.7	10.8	11.3	94.8	2.0	35.0	170.0	17-Jun
Haxby	88.9			52.1	10.7	11.0	95.1	1.9	35.5	166.7	14-Jun
Hockett	102.4	**88.5***	**89.5***	52.9	10.8	11.1	97.2	1.3	33.7	165.0	13-Jun
Moravian 115	97.3			47.0	10.5	10.5	91.6	3.6	26.5	174.0	21-Jun
Moravian 69	103.3			49.4	10.9	10.5	88.8	4.9	29.0	172.7	19-Jun
Pinnacle	99.1	77.0		51.1	10.4	10.4	96.8	1.6	36.7	163.7	11-Jun
Experimental											
MT010158	91.4	79.4	86.8	52.1	10.8	11.3	96.2	1.5	34.7	168.3	16-Jun
MT010160	96.9			52.7	10.8	10.5	95.2	1.7	35.8	167.7	15-Jun
MT020155	104.1	**86.9***	86.2	51.4	10.8	11.2	93.0	2.7	38.8	163.7	11-Jun
MT030042	**111.3***	**90.4***		53.4	11.0	9.8	94.0	2.5	34.2	165.0	13-Jun
MT050030	**116.2****			51.5	10.8	10.5	93.3	2.7	35.0	167.0	15-Jun
PI639193	**107.0***			49.4	10.6	10.7	85.3	5.5	33.5	163.0	11-Jun
Average	102.8	86.7	87.9	51.5	10.8	10.8	93.5	2.6	34.6	167.1	15-Jun
PLSD (p=0.05)	9.8	9.1	10.7	0.9	0.3	0.6	2.6	1.2	2.3	1.9	
CV%	5.8	8.4	12.3	1.0	1.7	3.4	1.7	27.0	4.1	0.7	

1/ Yields are based on a 48 pound standard bushel weight and adjusted to 13.0 percent moisture content.
2/ Grain protein values adjusted to a 100 percent dry matter basis.
** Indicates highest yielding cultivar within a column.
* Indicates cultivars yielding equal to highest yielding cultivar within a column based on Fisher's protected LSD (p=0.05).
ns Indicates no significant difference between cultivars within a column based on Fisher's protected LSD (p=0.05).

Huntley Dryland Spring Barley (Exp. 103690)

Planted:	March 29, 2010
Harvested:	August 3, 2010
Fertility:	50-0-0, ppi, March 24, 2010
Herbicide:	Colt AS, 22 oz/ac; Axial XL, 16 oz/ac; Affinity BS, 0.4 oz/ac; R-11, 4 oz/ac; AMS, 2 lb/ac, May 17, 2010
Insecticide:	none applied
Previous Crop:	chemical fallow
Precipitation:	8.77 inches

Performance of 20 spring barley cultivars and experimental lines tested under dryland conditions near Molt, Montana during 2010. Cultivars listed alphabetically. (Exp. 103691).

Cultivar	Grain Yield 1/ 2010	Grain Yield 1/ 2009-2010	Grain Yield 1/ 2008-2010	Test Weight	Grain Moisture	Grain Protein 2/	Plum Kernels	Thin Kernels	Plant Height
	-------- bushels/acre --------			- lb/bu -	- % -	- % -	- % -	- % -	- inches -
Commercial									
AC Metcalfe	48.3	36.9	31.2	48.0	9.1	17.6	50.9	20.8	34.4
Baronesse	**60.0***	47.2	**39.2***	47.9	8.8	14.9	51.2	17.7	31.5
Boulder	**65.0****	49.7	**43.2****	49.6	9.1	14.9	65.3	9.3	30.1
Champion	50.8	42.0		50.8	9.4	14.4	57.4	12.6	31.8
Conrad	**60.0***	48.1	**40.3***	48.2	9.0	15.8	66.6	11.2	31.2
Craft	51.1	37.2	32.0	51.7	9.1	15.4	78.0	5.6	35.3
Gallatin	**57.3***	42.1		51.0	9.1	14.8	66.4	9.1	31.2
Geraldine	**59.2***	42.4	**37.2***	48.2	8.8	14.2	43.6	23.4	28.9
Harrington	42.0	30.9	28.4	47.6	9.0	15.3	50.1	22.1	30.3
Haxby	**60.8***			51.8	9.1	14.5	64.2	8.7	34.5
Hockett	43.8	37.2	32.2	49.9	9.0	14.8	67.6	8.7	30.7
Moravian 115	51.1			44.1	8.8	16.1	45.6	29.4	25.7
Moravian 69	55.2			45.2	8.5	16.4	44.9	25.6	25.5
Pinnacle	53.7	46.7		49.1	9.0	14.2	76.1	8.5	31.2
Experimental									
MT010158	**59.4***	44.0	**38.1***	49.7	9.1	14.8	65.7	11.1	32.2
MT010160	54.5			48.7	9.0	15.0	48.0	20.4	30.8
MT020155	**59.2***	43.8	**38.4***	50.3	8.8	14.7	59.4	11.5	32.3
MT030042	**62.2***	44.9		51.1	9.3	14.4	52.6	13.9	28.3
MT050030	**59.2***			49.5	9.0	14.2	65.8	9.5	31.4
PI639193	52.5			45.5	8.7	14.0	38.7	22.9	30.3
Average	55.3	42.4	36.0	48.9	9.0	15.0	57.9	15.1	30.9
PLSD (p=0.05)	8.6	ns	7.0	1.7	0.3	1.2	17.5	9.6	3.5
CV%	9.4	20.1	19.6	2.1	2.0	5.0	18.3	38.5	6.9

1/ Yields are based on a 48 pound standard bushel weight and adjusted to 13.0 percent moisture content.
2/ Grain protein values adjusted to a 100 percent dry matter basis.
** Indicates highest yielding cultivar within a column.
* Indicates cultivars yielding equal to highest yielding cultivar within a column based on Fisher's protected LSD (p=0.05).
ns Indicates no significant difference between cultivars within a column based on Fisher's protected LSD (p=0.05).

Molt Dryland Spring Barley (Exp. 103691)

Planted:	March 24, 2010
Harvested:	August 17, 2010
Fertility:	none
Herbicide:	none applied
Insecticide:	none applied
Previous Crop:	spring barley
Precipitation:	n/a

Performance of 20 spring barley cultivars and experimental lines tested under dryland conditions near Broadview, Montana during 2010. Cultivars listed alphabetically. (Exp. 103692).

Cultivar	1/ Grain Yield 2010	2009-2010	2008-2010	Test Weight	Grain Moisture	2/ Grain Protein	Plum Kernels	Thin Kernels	Plant Height
	-------- bushels/acre --------			- lb/bu -	- % -	- % -	- % -	- % -	- inches -
Commercial									
AC Metcalfe	45.0	36.4	32.7	49.9	11.3	11.6	72.7	10.7	31.9
Baronesse	58.9	46.6	40.0	49.4	11.3	11.0	50.9	16.0	29.8
Boulder	**69.4****	**59.1****	**52.0****	51.7	11.6	11.1	73.9	8.2	32.4
Champion	54.9	47.1		52.1	11.6	10.7	50.6	14.6	31.4
Conrad	**62.2***	44.1	37.4	50.6	11.5	11.5	81.0	6.9	32.4
Craft	43.0	34.5	31.8	52.8	11.5	11.6	78.5	7.3	35.4
Gallatin	48.0	36.9		51.1	11.5	11.0	64.9	11.0	31.0
Geraldine	53.4	40.3	35.8	50.2	11.6	11.7	48.6	18.5	31.4
Harrington	45.0	34.5	31.1	50.8	11.6	11.6	64.8	13.6	31.9
Haxby	40.8			53.4	11.5	10.8	70.5	11.1	34.0
Hockett	40.0	30.9	29.8	52.0	11.6	10.8	76.2	7.6	32.8
Moravian 115	56.3			45.7	11.2	11.3	72.4	11.3	23.9
Moravian 69	58.1			46.0	11.2	11.7	56.8	17.2	25.7
Pinnacle	45.6	31.7		52.8	11.6	10.4	88.0	5.1	31.6
Experimental									
MT010158	56.7	43.9	38.3	52.1	11.6	11.9	77.4	8.4	34.3
MT010160	53.8			51.9	11.7	10.7	66.1	11.5	33.7
MT020155	38.1	35.1	30.2	51.4	11.6	11.4	63.2	15.7	34.4
MT030042	56.1	44.4		52.4	11.8	10.8	64.6	10.5	32.2
MT050030	**64.8***			51.1	11.4	10.6	67.2	9.5	30.7
PI639193	50.2			48.2	11.3	10.9	51.6	18.1	30.8
Average	52.0	40.4	35.9	50.8	11.5	11.1	67.0	11.6	31.6
PLSD (p=0.05)	9.7	10.7	9.0	1.5	0.2	0.8	11.2	4.9	4.3
CV%	11.2	21.2	25.3	1.8	1.0	4.2	10.1	25.7	8.2

1/ Yields are based on a 48 pound standard bushel weight and adjusted to 13.0 percent moisture content.
2/ Grain protein values adjusted to a 100 percent dry matter basis.
** Indicates highest yielding cultivar within a column.
* Indicates cultivars yielding equal to highest yielding cultivar within a column based on Fisher's protected LSD (p=0.05).
ns Indicates no significant difference between cultivars within a column based on Fisher's protected LSD (p=0.05).

Broadview Dryland Spring Barley (Exp. 103692)

Planted:	March 23, 2010
Harvested:	August 12, 2010
Fertility:	38 N lb/a, preplant
Herbicide:	5 oz Turret LD6, + 3 oz Clarity; Roundup RT3, 16 oz/a, March 23, 2010
Insecticide:	none applied
Previous Crop:	summer fallow
Precipitation:	n/a

Performance of 20 spring barley cultivars and experimental lines tested under irrigated conditions near Fromberg, Montana during 2010. Cultivars listed alphabetically. (Exp. 103794).

Cultivar	1/ Grain Yield 2010	2009-2010	2008-2010	Test Weight	Grain Moisture	2/ Grain Protein	Plum Kernels	Thin Kernels	Plant Height	3/ Lodging
	-------- bushels/acre --------			- lb/bu -	- % -	- % -	- % -	- % -	- inches -	0-9
Commercial										
AC Metcalfe	118.2	114.4	111.9	51.9	10.6	12.0	95.3	1.6	43.3	5.3
Baronesse	117.7	**120.6***	**121.7***	52.5	10.3	10.4	97.4	0.9	36.9	5.7
Boulder	127.3	**125.8***	**126.8***	53.6	10.6	10.6	98.6	0.5	36.7	5.0
Champion	117.3	**122.3***		53.1	10.4	10.8	98.9	0.4	40.7	4.3
Conrad	106.8	111.2	115.6	50.7	10.6	11.9	96.9	1.1	38.8	6.7
Craft	97.8	99.7	103.0	53.2	10.5	12.0	98.6	0.5	38.5	5.3
Gallatin	95.3	103.0		53.6	10.5	11.6	97.1	1.0	38.5	2.7
Geraldine	114.7	**122.3***	**131.0***	52.3	10.5	11.4	93.4	3.2	38.6	3.3
Harrington	101.1	103.7	106.0	51.6	10.4	11.7	95.2	1.8	40.8	6.0
Haxby	89.6			54.0	10.4	11.7	98.2	0.6	41.7	4.7
Hockett	98.7	106.1	109.8	53.7	10.5	11.7	98.5	0.5	35.6	4.0
Moravian 115	134.3			49.7	10.4	11.0	95.6	2.1	29.7	6.3
Moravian 69	121.0			51.6	10.3	11.0	95.3	2.3	33.3	4.7
Pinnacle	99.1	104.9		53.1	9.8	10.7	98.7	0.5	41.9	0.3
Experimental										
MT010158	111.9	115.3	**116.9***	53.2	10.5	11.6	98.5	0.5	37.1	4.7
MT010160	104.2			53.3	10.6	11.5	98.2	0.6	38.6	2.3
MT020155	99.3	105.1	111.8	52.9	10.5	12.7	96.4	1.2	41.5	6.3
MT030042	109.5	**116.0***		53.8	10.8	10.7	97.5	0.9	36.4	6.7
MT050030	133.7			52.1	10.5	10.7	97.9	0.8	38.8	6.3
PI639193	93.3			50.3	10.1	11.6	91.7	3.2	39.9	4.3
Average	109.5	112.2	115.4	52.5	10.4	11.4	96.9	1.2	38.4	4.8
PLSD (p=0.05)	ns	10.4	15.1	1.8	0.5	0.9	2.2	1.0	2.9	2.8
CV%	17.0	7.4	13.2	2.1	2.7	4.9	1.3	49.3	4.5	36.2

1/ Yields are based on 48 pound standard bushel weight and adjusted to 13.0 percent moisture content.
2/ Grain protein values adjusted to a 100 percent dry matter basis.
3/ Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.
** Indicates highest yielding cultivar within a column.
* Indicates cultivars yielding equal to highest yielding cultivar within a column based on Fisher's protected LSD (p=0.05).
ns Indicates no significant difference between cultivars within a column based on Fisher's protected LSD (p=0.05).

Fromberg Irrigated Spring Barley (Exp. 103794)	
Planted:	March 16,, 2010
Harvested:	August 10, 2010
Fertility:	110 N, preplant
Herbicide:	n/a
Previous Crop:	
Irrigation:	flood
Precipitation:	n/a

Performance of 20 spring barley cultivars and experimental lines tested under irrigated conditions near Hysham, Montana during 2010. Cultivars listed alphabetically. (Exp. 103795).

Cultivar	1/ Grain Yield 2010	2009-2010	2008-2010	Test Weight	Grain Moisture	2/ Grain Protein	Plum Kernels	Thin Kernels	Plant Height	3/ Lodging
	-------- bushels/acre --------			- lb/bu -	- % -	- % -	- % -	- % -	- inches -	0-9
Commercial										
AC Metcalfe	68.2	85.8	88.4	50.4	9.0	13.1	79.1	9.1	42.1	4.0
Baronesse	85.9	101.3	107.2	50.1	8.9	13.4	76.3	12.2	38.2	3.7
Boulder	74.0	91.3	95.8	52.1	8.9	12.0	79.6	9.2	43.7	5.3
Champion	94.3	108.2		50.8	9.1	12.6	78.9	10.8	45.3	2.3
Conrad	78.8	95.1	96.5	50.0	9.0	12.9	74.9	12.9	39.0	5.3
Craft	82.5	90.5	79.0	51.7	9.1	13.1	80.8	9.0	37.4	3.7
Gallatin	68.1	86.1		52.4	9.3	13.4	79.4	8.4	41.3	5.7
Geraldine	78.5	101.1	99.8	51.0	9.1	12.4	74.6	12.3	37.4	4.7
Harrington	89.1	95.9	95.6	49.6	8.9	13.7	76.0	12.3	41.7	6.7
Haxby	77.0			51.6	9.3	12.8	81.9	8.7	41.3	5.3
Hockett	78.5	90.8	93.3	51.9	9.5	12.8	79.5	12.1	41.3	3.7
Moravian 115	105.9			48.0	8.7	12.5	79.5	9.0	41.7	5.3
Moravian 69	98.7			49.1	8.7	11.9	83.2	7.1	42.5	3.0
Pinnacle	68.4	82.6		51.5	9.7	11.2	86.0	6.8	38.2	3.0
Experimental										
MT010158	75.4	94.6	83.2	49.5	8.7	14.1	70.1	17.9	41.7	5.0
MT010160	68.4			48.6	8.8	14.9	68.5	17.9	41.7	3.7
MT020155	64.5	89.3	90.1	48.1	8.7	13.1	69.0	15.1	42.1	2.7
MT030042	89.6	101.0		50.2	9.0	12.9	71.5	15.7	43.3	5.3
MT050030	80.0			49.9	8.9	12.0	74.6	12.4	43.7	5.3
PI639193	78.3			50.3	9.1	11.6	81.0	8.4	45.3	4.0
Average	80.2	93.8	92.9	50.3	9.0	12.8	77.2	11.4	41.5	4.4
PLSD (p=0.05)	ns	ns	ns	ns	0.5	ns	ns	ns		ns
CV%	21.0	13.1	22.2	3.6	3.2	8.7	15.2	69.1		41.9

1/ Yields are based on 48 pound standard bushel weight and adjusted to 13.0 percent moisture content.
2/ Grain protein values adjusted to a 100 percent dry matter basis.
3/ Lodging severity scores of 0 to 9 represent no lodging to all stems flat on the ground, respectively.
** Indicates highest yielding cultivar within a column.
* Indicates cultivars yielding equal to highest yielding cultivar within a column based on Fisher's protected LSD (p=0.05).
ns Indicates no significant difference between cultivars within a column based on Fisher's protected LSD (p=0.05).

Hysham Irrigated Spring Barley (Exp. 103795)	
Planted:	March 17, 2010
Harvested:	August 9, 2010
Fertility:	60 l b N preplant, 54 lb N top dress, May 20, 2010
Herbicide:	
Previous Crop:	
Irrigation:	flood
Precipitation:	n/a

Off-station spring barley variety trial located in the Knees area.
Chouteau County. Western Triangle Ag. Research Center. 2010.

Variety	Spike	Yield bu/a	Test Wt lb/bu	Plump %	Thin %	Protein %
WPB BZ596-117	2	85.4	50.4	95.0	2.7	13.1
Conrad	2	85.1	50.5	93.4	2.7	13.4
MT020155	2	81.0	49.0	90.3	4.6	13.0
Champion	2	79.7	51.4	90.9	4.5	12.4
Geraldine	2	77.1	51.3	89.5	4.6	12.3
MT050030	2	72.9	49.7	94.0	3.0	11.8
Harrington	2	72.8	50.6	93.5	4.4	13.0
Goldeneye	6	72.4	49.9	92.2	3.3	12.3
Haxby	2	70.3	52.2	93.2	3.1	13.4
MT030042	2	69.4	51.2	91.2	3.8	11.0
Metcalfe	2	66.9	50.3	91.8	3.8	12.4
Hockett	2	66.5	48.3	90.7	4.3	13.0
Gallatin		66.1	51.9	93.5	3.0	12.9
Pinnacle	2	64.9	50.0	95.1	2.9	11.0
MT010160	2	61.4	51.2	93.1	3.0	12.5
MT010158	2	61.4	50.5	93.7	2.6	12.1
Average		71.4	50.5	92.6	3.5	12.5
LSD (.05) =		13.4	1.8	3.7	2.6	
C.V. =		11.2	2.1	2.4	44.4	
P-Value (0.05)		0.015	0.005	0.095	0.716	

Cooperator and Location: Aaron Killion, western Chouteau county.
Planted April 7, 2010 on chem-fallow. Harvested August 24, 2010.
Fertilizer, actual lbs/a: 6-20-10. Sprayed with Starane at 1 pt/a, Salvo at 12 oz/a and Ally at 0.1 oz/a on 6/2/2010.
Precipitation from 4/7/2010 until harvest was: 6.2 inches.
Conducted by MSU Western Triangle Ag. Research Center.

Off-station spring barley variety trial located in the Devon area.
Toole County. Western Triangle Ag. Research Center. 2010.

Variety	Spike	Yield bu/a	Test Wt lb/bu	Plump %	Thin %	Protein %
Pinnacle	2	72.0	48.4	95.5	2.3	8.1
Champion	2	71.6	48.7	88.7	4.3	8.7
MT050030	2	71.5	48.2	90.9	3.1	8.8
WPB BZ596-117	2	67.9	50.6	88.5	4.7	8.8
MT010160	2	65.2	47.6	89.0	3.7	9.5
Conrad	2	64.0	46.3	91.1	2.9	9.1
MT020155	2	63.0	45.9	82.8	6.8	9.2
Gallatin		62.1	47.2	85.5	6.0	9.2
Harrington	2	61.4	46.0	90.2	3.6	8.7
Goldeneye	6	61.1	44.2	80.2	7.0	8.5
Geraldine	2	61.0	47.5	82.1	10.0	8.9
MT010158	2	60.4	47.3	89.1	3.9	9.7
MT030042	2	59.7	48.4	81.1	7.9	8.4
Metcalfe	2	59.1	46.5	89.4	4.4	8.8
Haxby	2	57.5	50.2	85.3	4.8	9.1
Hockett	2	52.9	46.2	86.7	5.6	9.2
Average		62.8	47.4	87.3	5.1	8.9
LSD (.05) =		9.2	1.9	5.2	2.4	
C.V. =		8.7	2.4	3.6	28.3	
P-Value (0.05)		0.033	0.000	0.000	0.000	

Cooperator and Location: Brian Aklestad, eastern Toole county.
Planted April 8, 2010 on chem-fallow. Harvested August 10, 2010.
Fertilizer, actual lbs/a: 6-20-10. Sprayed with Huskie at 11 oz/a and Axial XL at 16.4 oz/a on 5/15/2010.
Precipitation from 4/8/2010 until harvest was: 7.9 inches.
Conducted by MSU Western Triangle Ag. Research Center.