



2015 SPRING BARLEY REPORT



Montana Agricultural Experiment Station
Department of Plant Science and Plant Pathology
Department of Research Centers

2015 Spring Barley Report

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About This Report

Eight sections detail the 2015 spring barley experiments across Montana. Each section begins with a statewide summary graph sorted by yield rank, with other quality traits stacked above. Following this, a summary table displays the means of each line across the state. Lastly in each section, tables show the means for every individual location where the experiment was grown.

Intrastate and Yield Trials are in a lattice design, with means adjusted accordingly. Yield is corrected to 13% moisture and based on a 48 lb bushel. Hull-less barley does not have a standard bushel weight. For this trial yield is expressed in both pounds/acre as well as the 48 lb bushel/acre unit used for other classes of barley.

Index Scores:

This number gives a score for each entry. This is a weighted value for a combination of agronomic traits contributing to malt quality. The index score replaces the traditional comparison to a single control variety, based on yield alone. The formula is:

$$(\text{Yield} \times 0.45) + (\text{Plump} \times 0.25) + (\text{Protein} \times -0.25) + (\text{Test Weight} \times 0.05)$$

$$\text{For Hull-less (Protein} \times 0.25)$$

In future years we may will develop indices for:

- **Malt Quality**
- **Forage Quality**
- **Feed Barley**

If you have any questions about this report please contact lizelmore@montana.edu

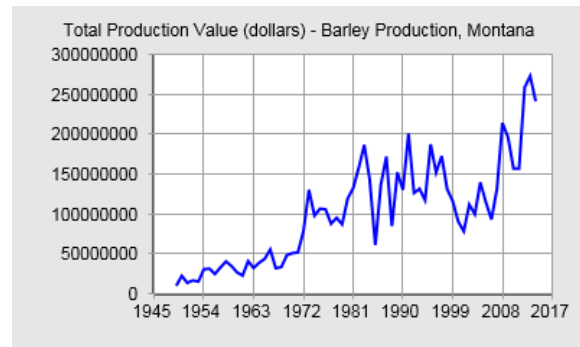
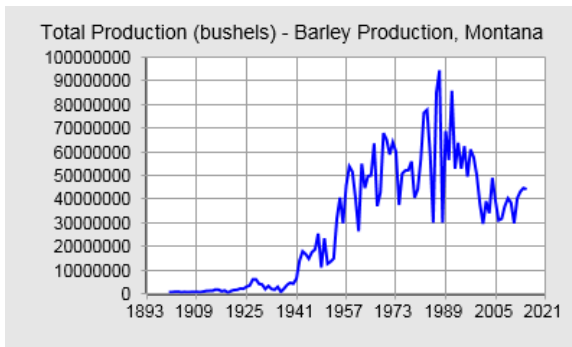
2015 Montana Barley Statistics

Statewide Production

BARLEY - ACRES PLANTED	970,000
BARLEY - ACRES HARVESTED	850,000
BARLEY - PRODUCTION, MEASURED IN BU	44,200,000
BARLEY - YIELD, MEASURED IN BU / ACRE	52

Prices

BARLEY, MALTING - PRICE RECEIVED, MEASURED IN \$ / BU	5.94
BARLEY, FEED - PRICE RECEIVED, MEASURED IN \$ / BU	2.56



Source: USDA Agricultural Statistics

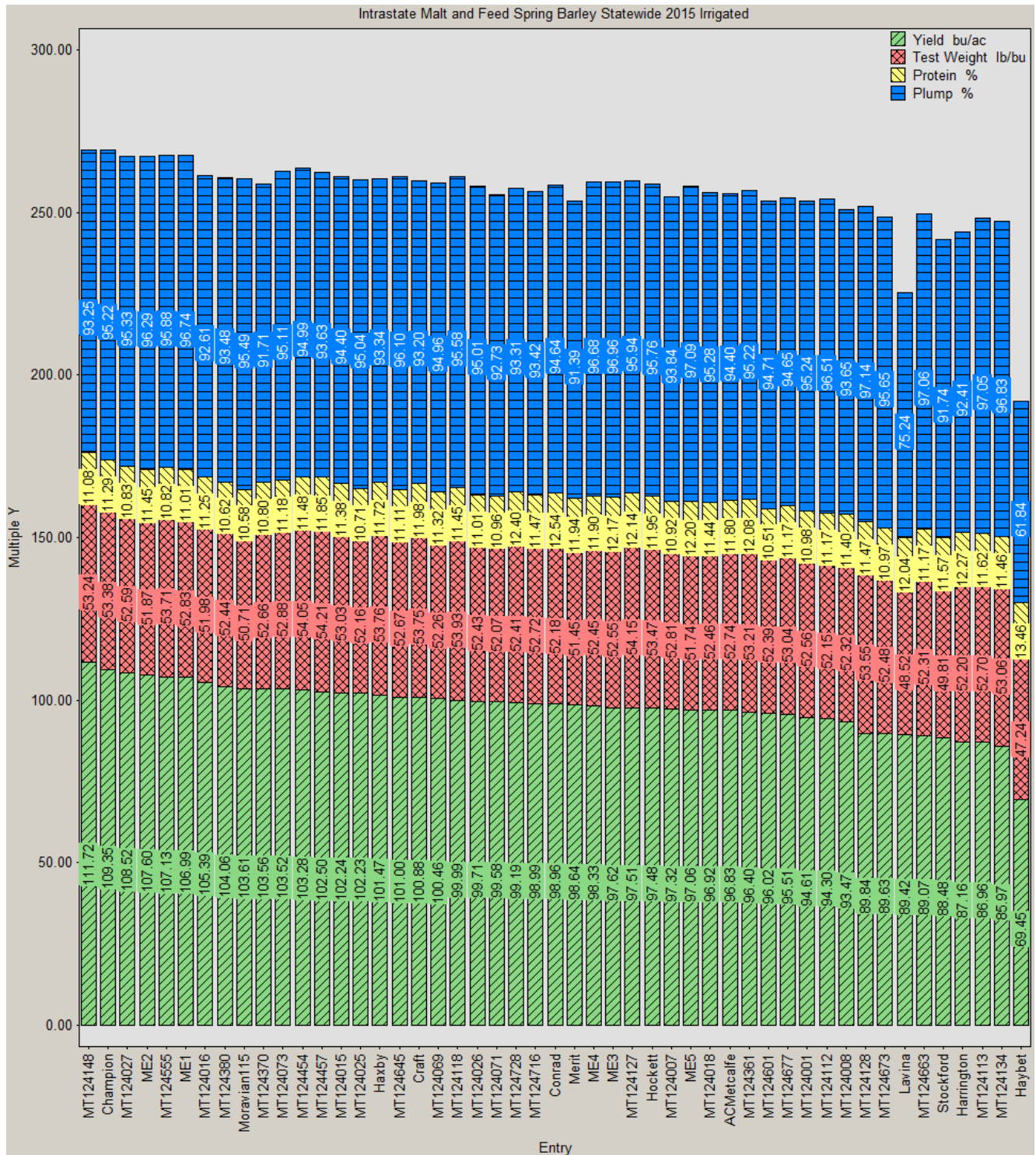
Barley Production, Montana	2011	2012	2013	2014	2015
Total Production Value (dollars)	156,835,000	258,259,000	272,771,000	241,164,000	
Total Production (bushels)	29,760,000	40,290,000	43,160,000	44,660,000	44,200,000
Acres Planted	700,000	900,000	990,000	920,000	970,000
Acres Harvested	620,000	790,000	830,000	770,000	850,000
Data automatically updated on an annual basis. Figures for previous periods may be revised. Source: US Department of Agriculture (USDA), National Agricultural Statistics Service (NASS)					
Published by  Montana CEIC.					

MSU Barley Production Guide:

<http://agresearch.montana.edu/wtarc/producerinfo/agronomy-nutrient-management/Barley/MTBarleyProdGuide.pdf>

Section One: Intrastate Feed and Malt Trial

Irrigated



Intrastate Malt and Feed - Irrigated
Statewide Summary 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	92	96.8	52.7	11.8	94.4	86.0	172.5
Champion	98	109.3	53.3	11.3	95.2	88.7	171.7
Conrad	93	99.0	52.1	12.5	94.6	81.6	174.5
Craft	93	100.9	53.7	12.0	93.2	90.9	172.2
Harrington	87	87.2	52.2	12.3	92.4	82.3	173.8
Haxby	94	101.5	53.7	11.7	93.3	82.9	171.2
Haybet	71	69.5	47.2	13.5	61.8	87.3	171.2
Hockett	92	97.5	53.4	12.0	95.7	84.6	172.1
Lavina	83	89.4	48.5	12.0	75.2	85.7	171.6
ME1	97	107.0	52.8	11.0	96.7	73.1	176.0
ME2	97	107.6	51.8	11.4	96.2	72.8	175.2
ME3	93	97.6	52.5	12.2	96.9	87.8	171.2
ME4	93	98.3	52.4	11.9	96.6	79.2	173.4
ME5	93	97.1	51.7	12.2	97.0	83.0	174.6
Merit	92	98.6	51.4	11.9	91.3	82.7	172.8
Moravian115	95	103.6	50.7	10.6	95.4	66.8	176.9
MT124001	91	94.6	52.5	11.0	95.2	85.3	171.7
MT124007	92	97.3	52.8	10.9	93.8	87.2	171.9
MT124008	90	93.5	52.3	11.4	93.6	85.3	172.5
MT124015	94	102.2	53.0	11.4	94.4	85.5	173.6
MT124016	95	105.4	51.9	11.3	92.6	80.0	173.0
MT124018	92	96.9	52.4	11.4	95.2	85.2	170.9
MT124025	95	102.2	52.1	10.7	95.0	86.1	172.9
MT124026	93	99.7	52.4	11.0	95.0	85.8	172.5
MT124027	98	108.5	52.5	10.8	95.3	84.0	173.1
MT124069	94	100.5	52.2	11.3	94.9	83.3	174.3
MT124071	93	99.6	52.0	11.0	92.7	84.0	170.6
MT124073	95	103.5	52.8	11.2	95.1	89.4	173.0
MT124112	91	94.3	52.1	11.2	96.5	82.4	169.7
MT124113	88	87.0	52.7	11.6	97.0	84.2	167.5
MT124118	94	100.0	53.9	11.5	95.5	82.7	170.9
MT124127	93	97.5	54.1	12.1	95.9	83.0	170.6
MT124128	89	89.8	53.5	11.5	97.1	81.9	168.0
MT124134	88	86.0	53.0	11.5	96.8	84.5	167.6
MT124148	98	111.7	53.2	11.1	93.2	82.1	173.7
MT124361	92	96.4	53.2	12.1	95.2	86.9	170.6
MT124370	94	103.6	52.6	10.8	91.7	78.0	172.9
MT124380	95	104.1	52.4	10.6	93.4	77.7	172.1
MT124454	95	103.3	54.0	11.5	94.9	89.3	170.9
MT124457	94	102.5	54.2	11.9	93.6	87.4	170.7

Intrastate Irr

Intrastate Malt and Feed - Irrigated**Statewide Summary 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124555	97	107.1	53.7	10.8	95.8	84.2	173.1
MT124601	92	96.0	52.3	10.5	94.7	83.2	173.6
MT124645	94	101.0	52.6	11.1	96.1	87.0	170.5
MT124663	89	89.1	52.3	11.2	97.0	83.8	169.4
MT124673	89	89.6	52.4	11.0	95.6	82.9	170.0
MT124677	91	95.5	53.0	11.2	94.6	78.5	169.6
MT124716	93	99.0	52.7	11.5	93.4	83.3	172.5
MT124728	92	99.2	52.4	12.4	93.3	80.0	172.5
Stockford	87	88.5	49.8	11.6	91.7	88.3	172.0
GRAND MEAN		98.0	52.4	11.4	93.7	83.4	172.0
CV		5.4	1.1	3.9	1.8	5.0	0.7
LSD		5.6	0.7	0.4	2.1	4.4	1.3

Intrastate Irr

Intrastate Malt and Feed - Irrigated
Post Farm - Bozeman, MT 2015

Name	Indexed Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	92	97.9	52.3	11.6	91.2	69.6	182.4
Champion	102	119.9	53.5	11.1	92.8	72.7	182.7
Conrad	93	100.9	52.8	11.5	91.5	65.8	187.2
Craft	98	111.7	54.6	10.9	91.7	74.4	182.6
Harrington	90	96.7	52.8	12.3	88.7	66.4	186.1
Haxby	97	110.3	53.1	11.2	89.0	68.2	181.3
Haybet	74	73.8	48.7	12.7	66.1	72.0	181.7
Hockett	98	110.2	53.5	11.6	93.0	73.8	184.8
Lavina	87	102.0	47.9	11.7	68.3	68.6	182.1
ME1	99	112.6	53.0	10.6	94.6	65.9	191.0
ME2	94	101.7	52.4	11.8	94.4	63.5	190.5
ME3	94	101.0	52.8	12.4	94.2	64.6	179.6
ME4	94	103.1	52.6	11.9	93.6	63.3	189.6
ME5	96	104.3	51.8	12.0	97.2	70.9	188.1
Merit	92	98.5	51.6	10.8	89.7	69.0	184.5
Moravian115	95	104.1	51.5	10.7	94.9	55.2	190.7
MT124001	97	110.0	52.9	10.2	91.4	73.0	182.9
MT124007	97	108.9	53.0	10.4	90.3	73.9	183.3
MT124008	96	106.1	53.4	10.6	92.3	71.2	185.1
MT124015	98	110.9	52.7	10.2	90.2	71.3	186.0
MT124016	100	116.9	52.2	9.9	89.6	66.3	185.8
MT124018	92	99.6	53.1	11.1	90.8	72.8	182.5
MT124025	100	117.1	53.0	10.3	90.2	75.9	184.5
MT124026	99	113.8	52.3	10.4	90.4	71.6	182.5
MT124027	103	124.4	52.6	10.4	89.2	66.8	186.1
MT124069	98	112.4	52.1	10.6	91.5	65.1	187.1
MT124071	93	101.9	52.5	10.3	86.6	67.9	181.6
MT124073	101	117.7	52.7	10.4	91.5	76.1	184.6
MT124112	93	99.5	52.0	10.3	94.1	65.2	180.1
MT124113	93	97.7	53.0	10.6	94.6	68.6	177.1
MT124118	99	113.6	54.5	10.9	91.0	61.2	181.9
MT124127	98	112.2	53.8	11.5	91.3	72.0	180.6
MT124128	94	100.6	53.7	10.5	95.6	68.4	178.6
MT124134	91	94.3	52.8	10.3	94.5	69.7	177.8
MT124148	101	119.4	52.6	10.4	89.8	64.1	188.4
MT124361	94	102.5	53.2	11.5	91.4	71.4	182.4
MT124370	93	102.0	52.6	10.1	87.4	58.8	184.9
MT124380	98	114.5	52.3	10.3	86.9	65.3	184.4
MT124454	99	116.3	54.0	10.9	87.8	74.7	182.7
MT124457	95	107.6	53.9	10.9	87.7	76.5	181.5

Intra15BOZlrr

Intrastate Malt and Feed - Irrigated**Post Farm - Bozeman, MT 2015**

Name	Indexed Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124555	98	109.2	53.6	10.7	95.2	69.3	183.6
MT124601	97	109.9	52.9	10.3	91.6	70.5	183.9
MT124645	97	110.5	52.3	10.7	91.1	70.9	180.8
MT124663	94	99.7	52.8	10.7	95.5	65.6	180.1
MT124673	91	95.4	52.0	10.6	91.3	65.9	180.5
MT124677	93	100.5	52.7	10.8	90.5	65.2	180.2
MT124716	96	110.2	52.4	11.2	87.2	73.0	182.8
MT124728	94	104.0	52.7	11.3	88.0	65.0	182.8
Stockford	96	110.4	50.2	11.2	86.8	68.8	182.5
GRAND MEAN		106.5	52.6	10.9	90.3	68.6	183.5
CV		6.2	1.3	4.4	2.5	7.5	0.9
LSD		10.8	1.1	0.7	3.7	8.4	2.8
RE-RCBD		189.8	117.2	278.3	202.6	102.4	108.8
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intra15BOZlrr

Intrastate Malt and Feed - Irrigated
WTARC - Conrad, MT 2015

Name	Indexed Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	103	120.3	53.2	11.5	97.1	84.0	176.1
Champion	110	135.8	53.4	10.9	97.2	84.4	173.3
Conrad	104	124.9	51.9	13.7	95.2	78.9	176.9
Craft	100	115.6	52.8	12.1	92.8	88.5	171.8
Harrington	98	110.9	52.2	13.3	94.4	84.4	176.2
Haxby	104	124.3	53.7	11.4	94.3	85.4	173.1
Haybet	82	92.1	46.3	12.6	63.8	90.2	173.1
Hockett	98	110.6	53.0	12.8	94.9	83.3	172.5
Lavina	89	98.4	50.0	11.5	79.8	81.3	173.5
ME1	109	133.6	53.3	11.6	96.5	72.1	177.6
ME2	108	132.0	52.4	11.5	96.1	75.3	176.5
ME3	102	119.0	53.6	13.0	97.2	90.0	173.7
ME4	100	113.9	53.7	12.6	97.2	77.5	173.5
ME5	100	112.7	52.3	12.5	98.9	83.3	176.0
Merit	103	122.1	52.2	12.2	94.8	81.3	175.1
Moravian115	105	123.8	51.7	10.8	97.6	67.4	178.3
MT124001	100	112.9	52.9	10.9	96.5	84.7	173.8
MT124007	103	119.7	52.8	10.7	94.7	83.1	173.8
MT124008	99	112.9	52.2	12.4	92.9	83.2	173.8
MT124015	103	119.6	53.7	11.9	96.3	81.5	175.8
MT124016	103	123.8	52.0	13.2	91.0	74.1	175.2
MT124018	105	123.5	52.9	11.2	98.3	81.1	171.9
MT124025	104	121.3	52.4	10.4	97.3	85.5	175.7
MT124026	104	123.5	53.1	11.4	96.1	85.5	174.8
MT124027	108	130.7	53.0	11.5	97.2	80.6	174.6
MT124069	104	122.0	53.3	11.7	97.2	84.3	176.8
MT124071	103	120.9	52.7	11.3	96.5	80.9	172.8
MT124073	102	117.5	53.9	11.3	97.6	87.3	175.1
MT124112	104	123.1	51.8	11.7	96.8	80.0	170.6
MT124113	102	116.3	52.9	12.0	98.0	79.2	166.7
MT124118	101	116.3	53.5	11.6	96.2	81.1	171.7
MT124127	102	117.3	54.3	12.3	97.9	78.5	171.5
MT124128	101	114.8	53.1	11.9	96.8	74.0	167.6
MT124134	99	110.6	53.0	12.0	98.3	78.8	166.4
MT124148	111	138.5	53.8	11.5	97.1	81.6	176.4
MT124361	101	116.3	53.3	12.1	97.5	79.5	171.8
MT124370	104	124.5	52.3	11.2	92.8	78.8	174.9
MT124380	105	123.3	52.2	10.4	96.4	73.0	173.2
MT124454	103	119.3	54.0	12.0	97.2	86.7	171.7
MT124457	105	124.8	54.8	12.4	96.8	83.5	171.7

Intra15ConIrr

Intrastate Malt and Feed - Irrigated**WTARC - Conrad, MT 2015**

Name	Indexed Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124555	108	129.6	53.6	10.3	97.5	83.0	175.0
MT124601	105	123.8	52.2	10.0	96.7	82.9	174.6
MT124645	104	120.9	52.7	11.0	97.8	88.2	172.4
MT124663	100	112.5	52.2	10.3	96.2	79.2	170.4
MT124673	105	122.4	52.4	10.5	98.3	75.8	170.9
MT124677	111	137.2	53.3	11.1	96.1	76.5	170.0
MT124716	103	120.1	53.5	11.3	97.1	76.5	174.9
MT124728	103	122.8	52.9	14.1	95.4	75.4	175.1
Stockford	94	101.8	50.4	10.7	94.1	86.4	174.0
GRAND MEAN		119.8	52.7	11.6	95.3	81.1	173.5
CV		7.4	1.4	7.7	2.6	3.8	0.5
LSD		14.5	1.2	1.4	4.0	5.1	1.5
RE-RCBD		211.7	105.1	169.1	105.8	148.0	195.7
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intra15ConIrr

Intrastate Malt and Feed - Irrigated
SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	95	102.8	52.6	10.8	96.1	100.3	162.1
Champion	99	110.3	53.2	11.1	96.1	102.4	161.4
Conrad	95	102.4	51.5	11.4	96.3	95.2	163.4
Craft	100	114.2	53.5	12.1	95.6	105.4	166.1
Harrington	87	85.9	51.5	11.3	93.4	92.7	162.7
Haxby	99	110.3	54.4	10.6	96.4	93.3	161.1
Haybet	72	75.6	46.6	13.9	55.2	105.0	161.0
Hockett	97	105.0	53.6	11.2	97.9	91.1	162.0
Lavina	90	103.0	47.7	11.6	77.7	102.3	161.6
ME1	94	99.9	51.7	9.5	97.2	74.6	163.0
ME2	103	119.2	50.5	10.8	97.0	77.4	161.6
ME3	91	92.9	50.9	10.5	97.1	101.1	162.0
ME4	97	106.0	50.9	10.6	98.1	90.0	161.1
ME5	97	106.2	51.1	11.0	96.2	94.5	162.6
Merit	96	107.5	50.5	12.4	91.4	95.1	161.6
Moravian115	92	97.6	48.7	9.4	93.2	71.2	163.7
MT124001	90	89.8	51.6	10.4	97.8	92.2	161.7
MT124007	94	98.4	52.7	10.5	97.3	99.3	161.6
MT124008	91	92.8	51.3	10.7	96.2	93.7	162.0
MT124015	98	109.5	52.3	10.6	96.8	99.1	162.3
MT124016	101	114.8	51.6	10.7	96.8	92.3	162.0
MT124018	88	87.7	51.3	11.3	97.1	93.4	160.8
MT124025	95	100.2	51.1	9.7	97.5	94.2	162.3
MT124026	92	93.6	51.6	9.9	97.7	97.2	162.7
MT124027	97	106.3	51.9	9.4	97.4	97.7	161.9
MT124069	95	101.7	51.1	9.6	96.0	99.6	163.0
MT124071	98	108.5	50.9	11.0	96.6	93.8	160.8
MT124073	98	109.5	51.9	10.0	95.8	105.2	162.3
MT124112	97	104.9	52.7	10.8	98.2	90.8	160.3
MT124113	90	90.9	52.1	11.9	96.9	96.6	160.2
MT124118	98	106.8	53.5	9.9	98.1	93.2	161.9
MT124127	94	98.5	54.2	11.7	99.1	89.2	161.9
MT124128	90	89.6	53.6	11.6	98.8	93.9	159.1
MT124134	88	85.8	53.5	11.7	98.5	93.8	159.0
MT124148	102	119.7	53.3	10.7	93.4	95.4	161.6
MT124361	91	92.8	53.0	11.1	97.5	102.7	160.5
MT124370	102	117.0	53.0	10.5	95.8	88.8	162.3
MT124380	95	100.8	52.6	10.0	96.3	85.3	161.6
MT124454	97	104.7	53.8	10.3	98.1	99.5	160.4
MT124457	98	107.6	54.0	11.2	97.8	95.8	160.1

Intra15HunIrr

Intrastate Malt and Feed - Irrigated**SARC - Huntley, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124555	99	110.0	53.8	9.9	96.7	94.3	162.3
MT124601	88	86.3	51.8	9.1	95.4	93.0	166.1
MT124645	96	102.4	52.8	9.9	99.0	94.9	161.0
MT124663	94	99.8	51.6	11.6	98.2	95.6	160.0
MT124673	89	88.4	53.2	10.8	98.3	99.8	160.0
MT124677	93	98.0	53.3	11.2	97.9	84.0	161.2
MT124716	94	100.3	52.2	11.2	97.2	93.7	162.3
MT124728	96	103.9	51.9	12.1	97.2	90.2	162.0
Stockford	90	92.9	48.6	11.8	94.1	106.0	161.6
GRAND MEAN		101.0	52.0	10.8	95.5	94.4	161.7
CV		6.6	0.9	4.7	1.7	5.9	1.0
LSD		10.9	0.7	0.8	2.7	9.1	2.8
RE-RCBD		117.2	104.3	126.6	100.0	100.0	101.0
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intra15Hunlrr

Intrastate Malt and Feed - Irrigated
EARC - Sidney, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	72	62.0	48.2	13.1	79.0	89.3	169.3
Champion	77	75.0	48.8	12.6	76.5	93.6	169.3
Conrad	77	68.8	49.1	13.6	87.5	85.5	170.7
Craft	71	62.1	48.9	13.0	75.3	95.5	168.3
Harrington	69	52.9	48.5	12.5	85.1	86.6	170.0
Haxby	72	63.4	50.3	13.6	76.9	85.6	169.3
Haybet	54	39.2	45.2	14.8	50.1	82.7	169.0
Hockett	76	64.0	49.7	12.4	90.2	89.9	169.0
Lavina	66	55.2	45.9	13.6	67.7	89.2	169.0
ME1	82	82.0	48.6	11.7	82.5	79.4	172.3
ME2	82	79.6	47.1	11.7	88.0	75.3	171.7
ME3	81	76.6	49.1	12.6	90.3	96.4	169.3
ME4	79	69.6	48.3	12.4	91.6	86.7	169.3
ME5	75	62.5	47.8	13.3	92.2	83.5	172.0
Merit	76	63.9	49.0	12.8	90.2	85.4	170.0
Moravian115	88	89.5	47.8	11.3	92.2	71.4	175.0
MT124001	75	65.2	49.9	11.9	83.5	91.2	168.3
MT124007	73	62.7	47.8	12.4	80.1	92.9	169.0
MT124008	75	63.4	49.0	11.7	87.0	93.7	169.3
MT124015	75	67.8	45.8	13.0	80.2	89.6	170.3
MT124016	78	67.3	49.6	11.4	91.5	86.5	169.3
MT124018	81	76.0	49.5	12.6	87.9	93.6	168.7
MT124025	79	70.1	50.3	12.2	90.1	89.1	169.3
MT124026	73	64.5	48.5	12.3	78.8	88.8	169.7
MT124027	78	69.2	49.6	11.6	87.2	90.9	169.7
MT124069	73	67.1	46.9	13.1	76.6	85.0	170.3
MT124071	75	63.8	48.4	11.4	85.8	93.5	167.3
MT124073	76	68.7	47.1	12.7	84.6	89.9	170.3
MT124112	72	52.9	48.1	11.7	93.3	93.1	167.7
MT124113	67	45.7	46.4	12.0	86.6	93.0	166.0
MT124118	74	65.4	49.8	12.9	80.8	95.1	168.0
MT124127	75	61.5	52.1	13.1	93.0	92.2	168.7
MT124128	74	58.0	49.9	11.9	93.2	91.8	166.7
MT124134	73	56.0	49.7	12.0	93.3	96.3	167.3
MT124148	78	70.0	49.4	11.6	86.5	87.5	168.3
MT124361	79	73.2	50.3	13.4	85.6	93.9	168.0
MT124370	78	69.8	49.5	11.5	86.2	86.0	169.3
MT124380	80	75.0	48.5	11.7	88.5	88.0	169.3
MT124454	79	71.8	49.7	12.6	90.3	95.3	168.7
MT124457	79	70.1	50.5	12.8	91.3	94.1	169.3

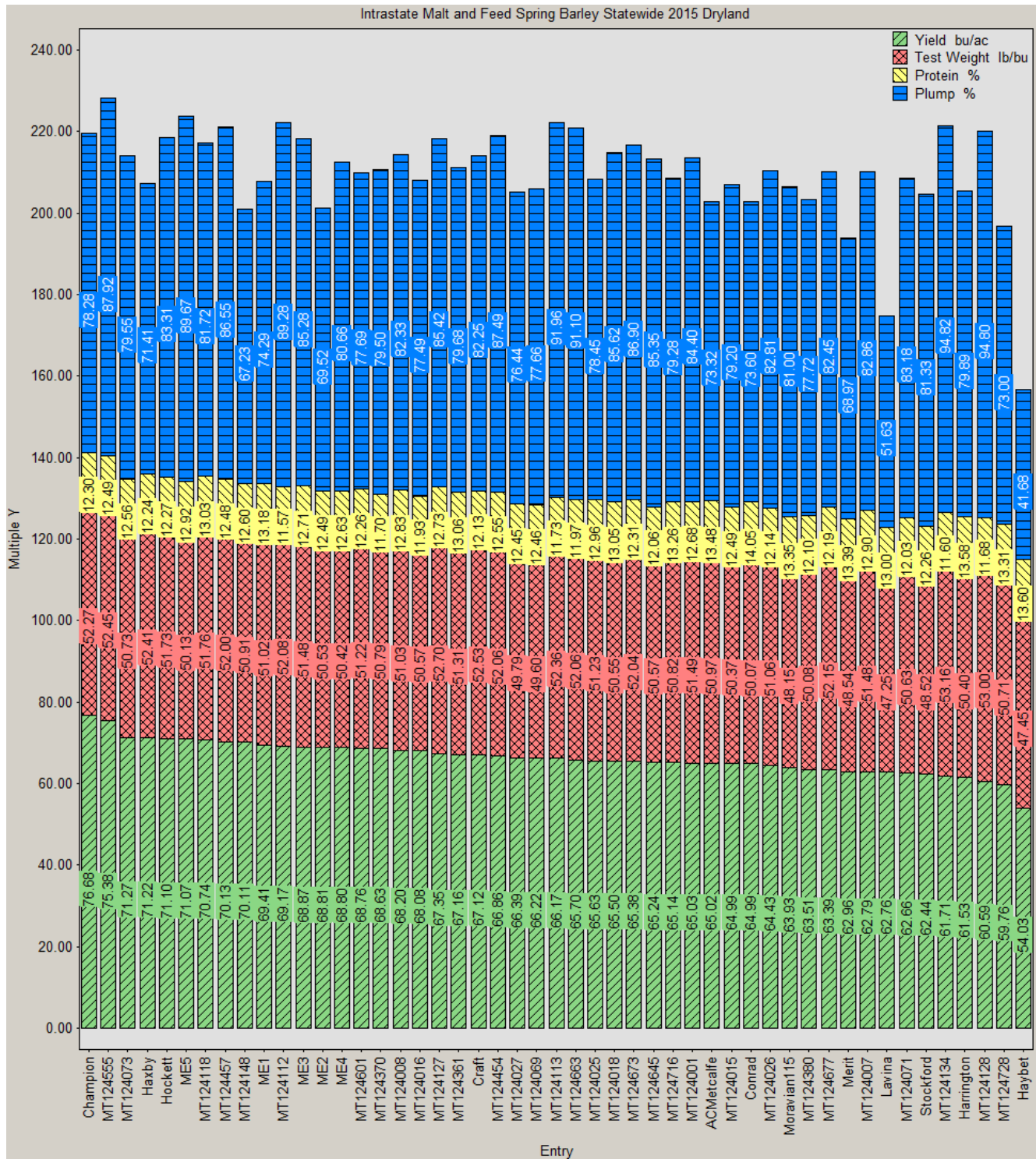
Intra15SidIrr

Intrastate Malt and Feed - Irrigated
EARC - Sidney, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124555	81	77.4	50.9	12.2	87.3	90.5	171.0
MT124601	73	60.8	48.9	12.3	84.0	86.1	170.0
MT124645	78	72.3	48.3	12.9	84.5	92.6	168.0
MT124663	67	45.6	48.3	11.9	88.4	95.6	167.0
MT124673	71	52.5	49.3	12.2	91.9	88.8	168.3
MT124677	67	43.8	48.9	11.8	89.5	87.5	167.0
MT124716	77	68.6	48.4	12.4	85.7	89.6	170.0
MT124728	77	65.3	49.1	12.5	92.3	88.9	170.0
Stockford	68	49.5	45.2	12.5	85.1	92.8	169.7
GRAND MEAN		64.8	48.6	12.4	85.4	89.3	169.2
CV		6.1	2.8	2.8	8.8	3.7	0.4
LSD		6.5	0.0	0.5	0.0	5.3	1.2
RE-RCBD		151.5	0.0	100.0	0.0	102.9	100.0
No. of Reps		3.0	1.0	3.0	1.0	3.0	3.0

Intrastate Feed and Malt Trial

Dryland



Intrastate Malt and Feed - Dryland
Statewide Summary 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	72	65.0	50.9	13.5	73.3	69.3	169.9
Champion	79	76.7	52.2	12.3	78.2	70.6	168.6
Conrad	72	65.0	50.0	14.1	73.6	62.5	171.3
Craft	75	67.1	52.5	12.1	82.2	72.8	167.9
Harrington	72	61.5	50.4	13.6	79.8	66.7	169.9
Haxby	74	71.2	52.4	12.2	71.4	67.5	167.6
Haybet	59	54.0	47.4	13.6	41.6	72.5	167.4
Hockett	77	71.1	51.7	12.3	83.3	68.2	168.1
Lavina	65	62.8	47.2	13.0	51.6	69.6	168.5
ME1	74	69.4	51.0	13.2	74.2	61.5	170.5
ME2	73	68.8	50.5	12.5	69.5	59.2	169.4
ME3	77	68.9	51.4	12.7	85.2	69.5	168.4
ME4	75	68.8	50.4	12.6	80.6	66.1	168.9
ME5	79	71.1	50.1	12.9	89.6	66.4	170.9
Merit	70	63.0	48.5	13.4	68.9	65.6	169.9
Moravian115	73	63.9	48.1	13.3	81.0	52.8	172.0
MT124001	75	65.0	51.4	12.7	84.4	69.5	169.7
MT124007	73	62.8	51.4	12.9	82.8	70.6	169.6
MT124008	76	68.2	51.0	12.8	82.3	70.5	169.8
MT124015	73	65.0	50.3	12.5	79.2	67.3	170.5
MT124016	75	68.1	50.5	11.9	77.4	61.9	170.8
MT124018	75	65.5	50.5	13.0	85.6	67.4	167.8
MT124025	73	65.6	51.2	13.0	78.4	69.2	171.0
MT124026	74	64.4	51.0	12.1	82.8	70.6	170.3
MT124027	73	66.4	49.7	12.5	76.4	65.9	170.2
MT124069	74	66.2	49.6	12.5	77.6	67.2	170.3
MT124071	74	62.7	50.6	12.0	83.1	68.5	168.2
MT124073	76	71.3	50.7	12.6	79.5	71.6	170.0
MT124112	78	69.2	52.0	11.6	89.2	65.8	166.9
MT124113	77	66.2	52.3	11.7	91.9	69.6	165.4
MT124118	77	70.7	51.7	13.0	81.7	70.7	166.9
MT124127	76	67.3	52.7	12.7	85.4	67.2	167.7
MT124128	76	60.6	53.0	11.7	94.8	65.1	165.6
MT124134	76	61.7	53.1	11.6	94.8	68.6	165.3
MT124148	73	70.1	50.9	12.6	67.2	65.2	170.5
MT124361	74	67.2	51.3	13.1	79.6	68.1	168.0
MT124370	75	68.6	50.7	11.7	79.5	62.7	171.5
MT124380	72	63.5	50.0	12.1	77.7	62.9	169.8
MT124454	76	66.9	52.0	12.6	87.4	68.2	168.5
MT124457	78	70.1	52.0	12.5	86.5	70.2	168.5

Intrastate Dry

Intrastate Malt and Feed - Dryland**Statewide Summary 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124555	80	75.4	52.4	12.5	87.9	68.2	169.6
MT124601	75	68.8	51.2	12.3	77.6	69.2	169.9
MT124645	75	65.2	50.5	12.1	85.3	67.2	168.6
MT124663	77	65.7	52.0	12.0	91.1	66.1	166.4
MT124673	76	65.4	52.0	12.3	86.9	64.5	167.5
MT124677	74	63.4	52.1	12.2	82.4	62.1	166.8
MT124716	73	65.1	50.8	13.3	79.2	64.1	170.4
MT124728	69	59.8	50.7	13.3	73.0	62.4	169.6
Stockford	73	62.4	48.5	12.3	81.3	68.9	168.9
GRAND MEAN	74	66.3	50.9	12.6	79.9	66.9	168.9
CV		9.4	2.2	6.3	8.0	5.0	0.8
LSD		4.1	0.8	0.6	5.2	2.2	0.9

Intrastate Malt and Feed - Dryland
Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	58	40.4	51.0	14.8	63.0	55.0	173.7
Champion	68	60.1	52.4	13.6	66.5	56.0	175.7
Conrad	56	41.4	49.9	16.6	55.4	51.0	174.5
Craft	69	54.0	53.4	12.7	79.6	61.5	175.5
Harrington	64	45.0	51.5	14.6	79.4	56.8	175.0
Haxby	60	51.9	51.7	13.8	52.0	59.2	172.0
Haybet	50	43.4	47.6	14.9	26.4	62.3	170.3
Hockett	64	46.1	52.0	14.0	74.8	57.3	174.0
Lavina	54	47.6	46.5	14.1	36.0	58.7	172.3
ME1	59	50.7	50.5	14.9	51.3	54.7	175.3
ME2	57	46.3	50.8	14.1	49.2	54.7	172.7
ME3	64	49.0	52.3	14.6	73.4	61.3	174.0
ME4	60	44.6	51.4	14.2	65.5	58.3	173.0
ME5	66	48.4	49.9	14.3	80.8	54.0	173.5
Merit	56	43.7	48.0	14.7	50.2	54.0	175.0
Moravian115		0.0	0.0	0.0	0.0	0.0	0.0
MT124001	72	60.9	51.7	11.7	81.5	57.5	177.0
MT124007	64	44.7	52.2	14.1	78.3	60.3	175.3
MT124008	69	56.5	52.0	13.6	77.2	62.8	176.5
MT124015	64	50.8	52.1	13.7	68.0	57.0	174.5
MT124016		0.0	0.0	0.0	0.0	47.0	173.0
MT124018	63	42.8	51.0	14.6	79.6	56.5	174.7
MT124025		33.5	52.3	0.0	65.1	60.0	174.0
MT124026	71	57.8	52.3	12.7	81.9	62.3	177.0
MT124027	59	44.6	49.7	14.4	59.1	53.7	174.3
MT124069	62	49.1	50.1	13.8	64.7	56.8	175.3
MT124071	64	47.1	52.3	13.5	75.8	56.5	175.7
MT124073	67	55.1	51.7	13.7	70.9	58.7	175.3
MT124112	70	54.2	52.8	12.8	85.3	55.5	174.3
MT124113	70	53.3	52.5	13.3	87.6	62.2	174.3
MT124118	62	48.0	50.7	14.9	64.6	61.0	170.0
MT124127	68	53.8	52.3	13.7	78.8	54.2	173.0
MT124128	71	51.2	53.4	12.5	93.9	54.2	175.7
MT124134	75	60.1	54.2	12.8	94.0	63.3	174.7
MT124148	59	47.1	50.5	14.3	57.2	56.7	173.0
MT124361	63	47.7	50.8	13.6	69.0	54.5	173.5
MT124370	62	46.9	49.2	12.5	66.2	47.0	176.5
MT124380	58	42.4	50.8	13.4	58.8	51.0	175.3
MT124454	70	53.8	53.6	13.1	84.3	53.5	176.0
MT124457	69	56.0	52.0	13.4	79.3	58.0	175.5
MT124555	72	58.4	52.5	12.9	86.0	54.0	175.0

Intra15BozDry

Intrastate Malt and Feed - Dryland**Post Farm - Bozeman, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124601	65	51.4	52.0	13.5	69.6	59.0	175.7
MT124645	67	48.0	51.8	12.6	83.9	56.5	175.5
MT124663	72	56.4	53.7	13.6	90.9	58.5	175.7
MT124673	70	53.5	53.1	13.2	84.5	55.2	175.7
MT124677	61	39.3	52.1	14.6	78.6	55.0	174.0
MT124716	66	54.4	52.5	14.0	70.3	53.0	175.0
MT124728	52	41.2	50.5	16.0	39.4	52.0	172.0
Stockford	65	48.9	49.5	13.8	75.9	55.5	174.0
GRAND MEAN		49.3	51.4	13.8	70.3	56.5	174.4
CV		14.9	2.3	10.4	16.3	4.3	1.2
LSD		15.8	2.5	3.0	24.6	5.3	4.8
RE-RCBD		100.0	100.0	100.0	100.0	100.0	100.0
No. of Reps		2.4	2.4	2.5	2.4	2.4	2.4

Field error led to missing entries. Not all entries have 3 replicates.

Intrastate Malt and Feed - Dryland
WTARC - Conrad, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	85	87.7	50.9	9.4	81.5	75.4	168.1
Champion	95	102.6	53.2	9.1	94.8	76.1	167.1
Conrad	84	81.0	50.9	9.6	91.3	69.6	169.9
Craft	86	84.0	52.3	9.6	92.6	80.5	165.8
Harrington	84	80.9	50.1	10.2	90.7	72.5	169.1
Haxby	88	90.5	54.1	9.9	89.1	76.9	167.6
Haybet	72	70.1	47.2	10.3	61.4	77.9	165.8
Hockett	90	89.3	52.0	9.1	96.9	80.0	167.7
Lavina	75	69.0	48.2	9.0	76.8	75.4	167.8
ME1	89	90.3	51.5	9.1	91.9	60.0	170.9
ME2	87	86.3	50.5	9.4	90.4	60.7	170.3
ME3	92	96.5	51.6	9.5	95.3	77.1	167.6
ME4	89	89.6	50.8	9.5	93.4	69.4	167.6
ME5	93	97.0	50.7	9.2	97.5	74.2	170.6
Merit	84	81.3	48.5	9.5	88.2	72.9	168.6
Moravian115	82	76.2	46.6	9.5	89.8	52.2	173.6
MT124001	83	77.3	51.1	9.8	92.5	73.9	167.7
MT124007	86	82.0	51.9	9.7	95.6	78.8	167.3
MT124008	87	86.3	51.0	10.1	93.1	78.7	167.8
MT124015	84	80.6	50.4	9.6	89.2	72.6	168.2
MT124016	85	85.1	50.0	9.2	87.9	68.0	168.7
MT124018	90	91.7	50.4	9.9	96.2	73.6	165.5
MT124025	90	92.4	51.9	10.0	94.3	78.7	169.8
MT124026	81	72.6	51.2	9.3	92.9	78.4	168.5
MT124027	87	87.0	50.8	8.9	91.0	73.1	169.4
MT124069	88	87.0	49.8	9.3	93.0	70.5	170.5
MT124071	84	79.6	49.5	9.4	93.6	75.0	165.3
MT124073	89	91.5	51.0	9.3	91.3	75.8	168.9
MT124112	90	88.8	52.8	9.2	97.8	69.3	165.3
MT124113	90	89.5	52.3	9.5	97.7	74.4	162.7
MT124118	88	88.5	52.1	10.0	93.8	81.4	165.4
MT124127	89	88.0	53.4	9.9	96.8	74.4	166.1
MT124128	90	87.2	52.8	9.6	101.6	70.9	161.8
MT124134	90	87.3	53.3	9.7	100.9	73.9	162.1
MT124148	87	91.1	51.3	8.9	83.0	71.3	168.9
MT124361	86	85.2	51.1	9.7	90.5	71.5	166.0
MT124370	89	88.3	50.5	8.9	94.0	68.3	168.4
MT124380	84	79.0	48.7	9.4	92.8	66.5	168.2
MT124454	86	82.8	52.0	9.7	95.7	78.4	167.2
MT124457	90	89.0	52.2	9.4	98.1	74.8	166.2
MT124555	92	95.8	52.1	8.9	93.7	73.2	169.5

Intra15ConDry

Intrastate Malt and Feed - Dryland**WTARC - Conrad, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124601	86	85.4	51.5	8.9	90.8	76.6	169.0
MT124645	87	85.5	50.7	9.5	92.6	72.3	167.0
MT124663	82	73.4	51.0	9.3	95.5	69.1	163.3
MT124673	85	78.8	51.3	9.3	95.4	69.5	165.8
MT124677	85	82.0	51.9	9.4	90.6	71.4	164.5
MT124716	86	83.4	50.1	9.4	93.3	70.2	169.0
MT124728	85	81.0	49.7	10.3	94.1	68.1	169.0
Stockford	88	88.9	47.7	9.5	92.5	72.9	166.7
GRAND MEAN		85.3	50.9	9.4	92.1	72.7	167.5
CV		10.7	1.8	4.7	5.1	4.4	0.6
LSD		14.9	1.5	0.7	7.7	5.2	1.7
RE-RCBD		107.6	115.9	110.9	123.0	135.1	105.6
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Malt and Feed - Dryland
NARC - Havre, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	64	59.5	48.6	18.1	55.4	67.6	165.8
Champion	73	79.0	51.6	15.6	56.8	68.6	163.4
Conrad	66	65.8	48.9	17.6	52.7	56.8	168.7
Craft	71	69.5	51.4	16.3	64.6	74.4	162.3
Harrington	66	61.6	49.4	16.9	60.5	58.8	165.3
Haxby	72	78.6	52.0	16.0	51.9	65.2	162.6
Haybet	49	51.3	47.4	17.6	10.0	70.7	163.7
Hockett	75	77.3	50.5	15.6	66.9	62.5	161.3
Lavina	54	55.9	47.3	17.3	22.4	70.3	164.1
ME1	68	68.9	49.7	17.1	54.5	58.8	165.9
ME2	64	68.4	49.0	16.2	40.1	57.0	163.3
ME3	73	67.8	50.6	16.3	75.8	61.4	162.3
ME4	75	76.8	49.5	15.8	67.2	66.0	164.0
ME5	77	74.1	48.3	17.1	81.4	64.3	167.8
Merit	62	62.6	47.6	18.5	44.4	66.4	167.2
Moravian115	69	65.9	46.6	17.0	66.3	54.8	166.4
MT124001	69	60.8	50.4	15.6	71.7	67.0	164.9
MT124007	69	64.3	49.4	16.4	66.2	66.2	164.6
MT124008	69	65.7	49.3	15.9	65.6	67.8	165.0
MT124015	70	65.6	48.8	16.2	67.2	65.7	166.5
MT124016	69	67.3	47.1	15.8	62.4	58.8	166.2
MT124018	73	69.8	49.1	16.4	74.8	59.3	162.0
MT124025	68	64.3	48.4	16.2	61.6	61.0	167.5
MT124026	69	64.9	48.9	16.0	65.8	65.6	164.5
MT124027	70	68.0	47.5	16.1	63.0	62.6	164.6
MT124069	67	65.1	47.1	16.5	57.1	65.1	165.5
MT124071	73	66.8	50.3	15.4	75.1	71.7	161.3
MT124073	70	68.3	48.8	16.3	62.8	67.1	165.5
MT124112	77	73.6	51.1	14.6	79.0	65.3	161.0
MT124113	78	71.8	52.9	13.7	87.0	66.1	158.7
MT124118	76	74.0	51.8	15.3	74.1	68.2	161.1
MT124127	73	68.0	52.1	15.7	73.4	64.8	160.7
MT124128	69	50.0	52.8	14.2	88.0	62.3	157.9
MT124134	71	54.5	53.0	13.9	89.6	63.9	156.9
MT124148	67	77.0	49.1	17.1	37.0	61.3	165.9
MT124361	71	68.2	51.1	16.4	65.7	65.5	162.3
MT124370	73	71.3	50.4	15.5	67.9	64.3	166.6
MT124380	70	65.4	49.6	15.8	68.9	63.7	166.0
MT124454	76	71.1	51.6	16.4	81.7	66.5	162.6
MT124457	76	71.3	51.5	16.0	79.6	67.1	163.0
MT124555	74	69.9	51.1	16.2	76.1	65.6	165.1

Intra15HavDry

Intrastate Malt and Feed - Dryland**NARC - Havre, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124601	70	72.2	48.9	16.0	57.1	62.6	165.0
MT124645	72	67.6	49.5	16.2	73.3	59.9	162.3
MT124663	79	75.9	52.0	15.0	82.2	65.0	159.7
MT124673	74	68.5	52.0	15.0	75.6	60.1	161.2
MT124677	74	72.8	51.0	15.4	69.4	60.4	160.7
MT124716	69	65.7	49.3	17.2	64.6	62.6	167.0
MT124728	68	63.7	49.6	17.0	64.5	64.2	166.5
Stockford	67	57.8	46.5	15.5	68.9	70.6	166.0
GRAND MEAN		67.4	49.8	16.1	65.1	64.3	163.8
CV		6.7	1.2	1.4	7.8	7.1	0.6
LSD		7.4	1.0	0.3	8.3	7.4	1.8
RE-RCBD		108.9	117.2	103.4	120.6	100.0	102.7
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Malt and Feed - Dryland
SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	90	93.7	52.8	11.9	91.3	90.0	162.3
Champion	89	90.3	53.8	11.0	92.8	86.9	162.0
Conrad	86	87.0	52.0	12.8	91.5	82.6	163.7
Craft	82	74.9	52.7	10.0	91.6	85.0	161.7
Harrington	82	78.1	52.3	12.9	88.7	86.9	163.0
Haxby	87	88.4	53.2	9.5	89.1	83.7	161.3
Haybet	69	62.7	49.7	11.8	66.1	99.0	161.3
Hockett	88	88.5	53.9	10.6	93.0	84.1	162.0
Lavina	81	87.8	49.1	11.8	68.3	87.2	162.7
ME1	91	94.2	52.5	11.9	95.2	74.9	164.3
ME2	89	90.1	51.1	10.5	94.5	68.3	165.3
ME3	88	87.1	52.0	10.8	94.3	89.8	163.7
ME4	89	90.8	51.8	11.3	93.7	82.6	163.7
ME5	88	86.1	52.1	11.3	97.3	83.4	165.0
Merit	83	78.5	51.3	11.1	89.5	79.9	163.0
Moravian115	90	93.0	50.1	12.8	95.0	65.5	166.7
MT124001	88	91.0	52.6	13.4	91.2	91.2	163.0
MT124007	83	80.3	52.1	11.6	90.4	90.6	163.0
MT124008	86	85.6	51.9	11.8	92.3	86.8	164.3
MT124015	85	84.0	51.6	10.7	90.3	86.3	163.0
MT124016	87	86.9	51.9	9.7	89.6	76.9	165.0
MT124018	84	80.3	52.4	11.5	90.6	82.5	161.3
MT124025	88	90.8	52.4	11.7	90.3	88.0	164.3
MT124026	86	84.9	52.6	10.7	90.3	88.0	163.0
MT124027	86	86.6	51.3	10.7	89.3	84.3	162.7
MT124069	89	90.2	52.0	10.5	93.4	88.7	164.0
MT124071	81	76.3	50.5	10.1	86.7	78.5	161.7
MT124073	92	98.8	52.1	11.1	91.5	93.9	163.0
MT124112	85	81.2	52.1	9.9	94.1	81.0	160.3
MT124113	73	53.5	51.7	10.6	94.6	82.2	159.0
MT124118	90	94.0	52.1	12.2	91.1	87.2	161.3
MT124127	83	77.8	53.2	11.8	91.3	85.5	161.7
MT124128	73	54.1	52.8	10.5	95.4	79.3	159.3
MT124134	72	51.4	52.9	10.2	94.5	82.6	159.0
MT124148	90	95.0	52.9	10.4	89.8	83.5	164.7
MT124361	88	89.5	53.6	12.6	91.4	87.5	161.7
MT124370	87	89.1	53.1	10.1	87.4	75.8	164.3
MT124380	85	85.8	52.6	10.0	86.9	78.0	161.0
MT124454	84	82.3	53.4	11.2	87.6	80.7	162.0
MT124457	84	82.3	52.7	11.3	87.7	85.9	161.7
MT124555	98	108.9	54.1	12.1	95.3	92.7	163.0

Intra15HunDry

Intrastate Malt and Feed - Dryland**SARC - Huntley, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124601	86	85.2	53.3	10.8	91.6	91.9	163.0
MT124645	85	81.8	52.1	10.0	91.0	91.3	163.7
MT124663	80	69.0	51.4	10.2	95.5	79.4	160.7
MT124673	84	80.6	52.3	11.8	91.4	81.7	161.3
MT124677	80	72.2	52.6	9.8	90.3	72.5	160.3
MT124716	82	78.8	52.1	12.6	87.2	78.0	163.0
MT124728	73	57.4	51.9	10.4	87.9	70.0	163.7
Stockford	81	77.2	50.4	10.5	86.9	93.9	161.7
GRAND MEAN		82.7	52.2	11.1	90.3	83.7	162.5
CV		8.9	1.9	6.4	2.5	4.6	0.5
LSD		12.0	1.6	1.1	3.7	6.3	1.5
RE-RCBD		143.7	101.2	166.2	194.1	121.9	100.0
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Malt and Feed - Dryland
NWARC - Kalispell, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	68	54.7	42.5	16.2	80.3	61.5	174.1
Champion	74	63.2	45.4	14.3	87.3	62.4	170.6
Conrad	70	64.5	42.0	16.2	71.0	54.0	175.0
Craft	74	62.0	45.7	15.3	90.2	62.4	169.5
Harrington	71	55.1	43.2	15.0	92.1	58.4	171.4
Haxby	67	58.1	44.7	14.7	70.9	53.5	169.1
Haybet	55	50.9	38.1	15.3	37.4	57.5	168.1
Hockett	79	70.1	44.7	14.1	93.8	58.4	168.9
Lavina	64	59.9	39.6	15.4	56.4	57.7	169.4
ME1	69	52.7	44.7	15.6	87.5	61.1	170.8
ME2	71	57.2	46.0	15.0	84.8	56.5	168.8
ME3	73	57.7	45.7	14.2	94.9	60.4	169.3
ME4	71	57.8	44.8	15.6	88.4	56.3	171.1
ME5	77	66.3	44.8	14.4	92.7	59.1	172.9
Merit	73	64.5	41.5	15.1	82.8	57.8	170.7
Moravian115	68	51.8	38.5	15.7	88.4	53.2	172.8
MT124001	66	53.7	41.3	15.1	72.4	59.7	170.9
MT124007	69	53.9	44.1	14.5	82.6	57.2	172.8
MT124008	69	59.8	42.2	14.9	75.2	58.6	171.1
MT124015	70	57.6	44.1	15.1	84.2	58.3	175.3
MT124016	62	59.9	41.5	13.8	46.8	57.8	176.4
MT124018	60	54.7	43.0	14.7	49.4	60.5	170.7
MT124025	62	58.3	43.0	14.6	47.2	62.3	174.8
MT124026	59	55.6	42.5	15.1	44.2	58.5	174.2
MT124027	68	54.0	41.5	14.5	82.3	55.7	175.6
MT124069	71	57.6	43.3	15.1	85.2	56.9	172.2
MT124071	70	56.2	43.2	13.6	83.7	58.6	171.2
MT124073	73	62.2	44.0	15.0	86.9	60.2	173.3
MT124112	73	61.4	44.1	13.7	86.6	54.8	168.0
MT124113	78	69.3	44.9	12.1	92.0	61.9	166.6
MT124118	73	62.1	44.6	14.5	85.7	60.7	169.4
MT124127	74	61.6	45.6	14.3	90.1	58.0	171.1
MT124128	78	67.6	45.1	12.5	92.6	58.3	166.7
MT124134	78	66.7	45.2	12.2	94.2	57.9	167.1
MT124148	61	49.5	41.7	14.9	59.5	53.3	175.6
MT124361	68	54.8	43.5	14.4	78.7	57.1	171.3
MT124370	69	55.8	42.6	14.3	81.7	54.8	178.4
MT124380	69	53.6	43.9	13.6	85.1	54.9	174.3
MT124454	70	57.3	44.1	15.0	81.4	59.8	170.2
MT124457	76	65.4	45.1	14.5	91.7	61.0	171.3
MT124555	75	61.7	45.1	14.3	92.2	57.8	170.9

Intra15KalDry

Intrastate Malt and Feed - Dryland**NWARC - Kalispell, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124601	74	65.8	45.1	14.2	84.5	60.4	171.6
MT124645	71	58.6	42.8	15.0	86.8	55.9	169.5
MT124663	78	69.3	44.5	13.4	90.8	58.4	166.7
MT124673	73	59.9	45.1	13.5	87.4	58.1	167.6
MT124677	72	61.4	43.9	13.7	83.6	53.2	168.3
MT124716	66	54.9	41.5	15.3	73.3	54.8	173.9
MT124728	70	60.9	42.4	14.5	77.0	54.9	172.0
Stockford	70	51.7	41.8	14.5	91.8	55.0	169.8
GRAND MEAN		59.1	43.4	14.5	80.1	57.8	171.2
CV		9.2	4.1	5.9	67.0	4.1	1.0
LSD		8.9	0.0	0.0	273.6	3.9	2.9
RE-RCBD		128.8	0.0	0.0	100.0	125.9	114.1
No. of Reps		3.0	1.0	1.0	1.0	3.0	3.0

Intrastate Malt and Feed - Dryland
CARC - Moccasin, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
ACMetcalfe	67	49.7	51.6	9.9	78.8	63.5	175.9
Champion	69	61.8	49.1	9.1	62.8	70.9	174.3
Conrad	67	46.0	47.7	9.7	84.1	58.6	176.4
Craft	70	56.0	53.1	10.8	81.0	71.1	174.0
Harrington	66	45.4	47.9	9.8	81.1	64.7	176.3
Haxby	60	56.2	50.0	10.1	37.5	65.2	174.0
Haybet	58	43.8	44.1	11.7	57.0	65.9	176.0
Hockett	70	50.6	49.4	9.7	88.8	64.8	175.6
Lavina	58	53.6	43.6	9.7	37.1	66.1	175.5
ME1	69	56.3	50.6	9.1	73.4	58.0	176.9
ME2	71	60.4	51.4	9.4	72.9	56.9	176.5
ME3	68	51.5	50.5	8.8	78.5	65.7	174.6
ME4	63	48.8	47.8	10.3	63.5	62.5	175.0
ME5	71	50.4	49.1	9.7	94.0	60.8	175.8
Merit	62	43.6	46.3	11.4	70.8	60.7	176.0
Moravian115	64	46.1	48.7	10.2	75.1	45.3	176.9
MT124001	65	45.7	51.5	9.0	76.3	65.2	176.0
MT124007	64	48.1	52.0	10.6	69.8	68.6	175.9
MT124008	69	53.2	51.0	9.2	79.9	66.6	175.3
MT124015	66	48.7	48.4	9.4	76.6	62.0	176.5
MT124016	69	55.1	53.8	8.9	73.8	60.1	175.9
MT124018	69	49.6	49.4	10.5	89.3	70.1	174.0
MT124025	67	48.5	51.1	8.9	80.1	63.6	176.2
MT124026	65	49.5	50.1	10.1	70.0	69.1	176.0
MT124027	69	54.0	49.3	9.1	77.8	63.5	175.3
MT124069	66	45.1	48.5	9.0	83.9	63.2	175.4
MT124071	68	47.0	50.6	9.7	87.0	68.5	175.6
MT124073	68	48.7	49.8	9.3	82.0	71.3	175.1
MT124112	72	53.1	51.3	8.2	89.5	66.7	174.1
MT124113	74	57.3	52.1	9.6	91.7	69.2	173.0
MT124118	71	53.8	51.8	8.6	87.1	63.9	174.5
MT124127	70	52.5	52.0	9.8	86.8	63.8	174.7
MT124128	71	51.7	53.2	10.1	91.7	63.8	174.1
MT124134	71	50.0	52.0	9.9	92.7	69.0	174.0
MT124148	62	56.7	50.4	9.2	43.8	63.6	175.5
MT124361	65	54.0	48.9	12.0	64.3	69.7	174.0
MT124370	70	56.3	50.0	8.6	78.2	63.2	175.7
MT124380	66	50.9	48.0	8.8	73.0	60.9	175.0
MT124454	71	51.5	48.6	9.6	91.3	67.5	174.6
MT124457	72	54.2	51.0	9.0	89.6	72.1	174.9
MT124555	72	54.5	52.1	8.7	88.5	63.3	175.1

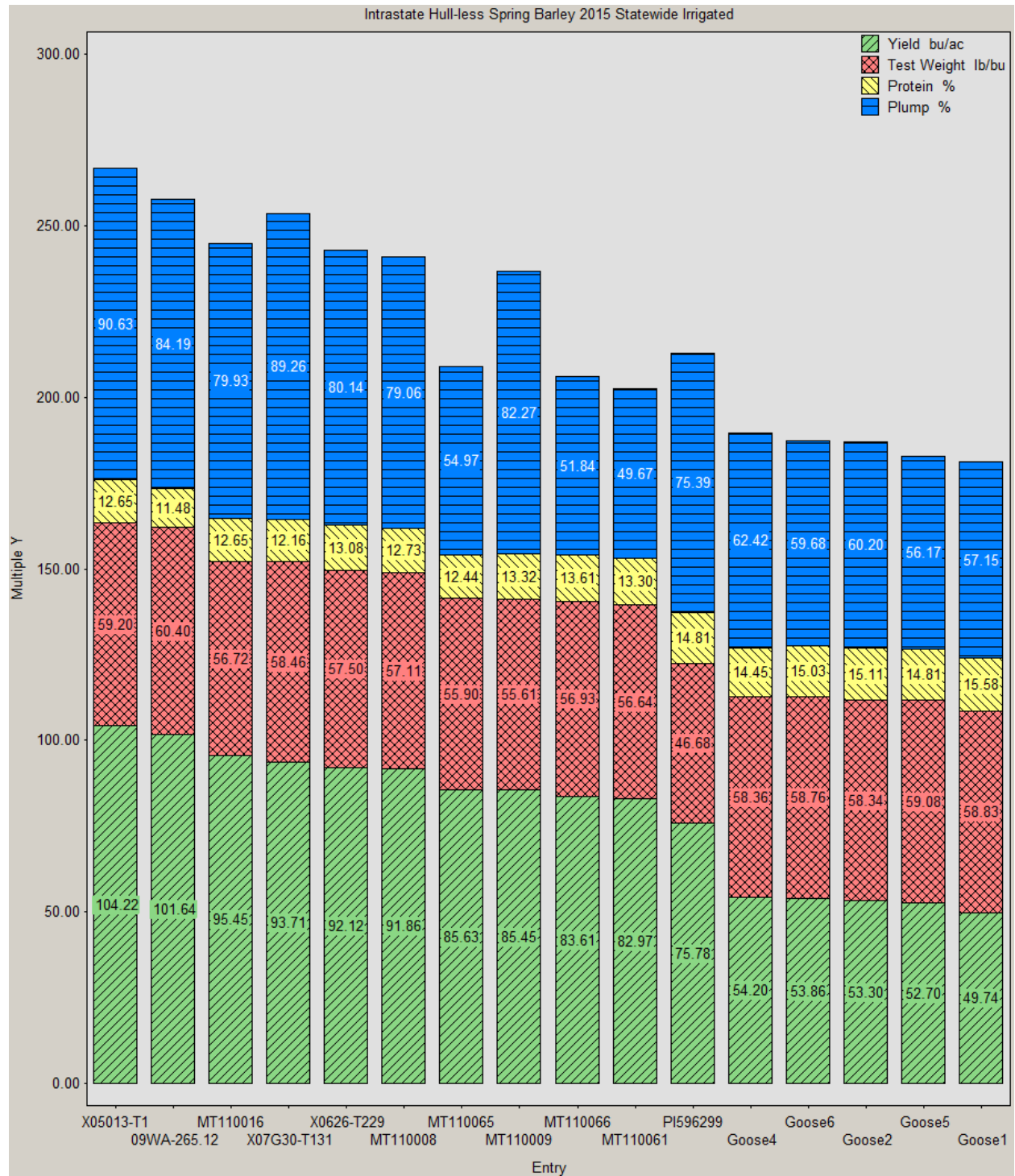
Intra15MocDry

Intrastate Malt and Feed - Dryland**CARC - Moccasin, MT 2015**

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124601	60	49.3	49.9	10.1	51.1	62.8	176.0
MT124645	61	46.8	47.6	11.5	63.5	65.3	175.0
MT124663	70	48.4	52.4	10.3	91.9	64.6	173.9
MT124673	71	48.9	51.3	9.3	93.9	60.5	174.7
MT124677	69	48.2	53.3	9.0	86.2	59.0	174.4
MT124716	69	51.7	49.9	10.6	84.5	64.0	175.6
MT124728	67	50.9	52.2	11.3	77.8	63.3	174.8
Stockford	67	47.6	48.2	10.4	83.6	63.1	176.3
GRAND MEAN		51.0	50.0	9.7	77.2	64.3	175.2
CV		7.7	3.8	8.8	17.8	5.6	0.3
LSD		6.4	4.6	0.0	0.0	5.9	1.0
RE-RCBD		229.0	100.0	0.0	0.0	122.4	105.1
No. of Reps		3.0	2.0	1.0	1.0	3.0	3.0

Section Two: Intrastate Hull-less

Irrigated



Intrastate Hull-less Spring Barley - Irrigated
Statewide Summary 2015

Name	Index Rating	Grain Yield lb/ac	*Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	65	4878.9	101.6	60.4	11.5	84.0	172.0
Goose1	39	2387.5	49.7	58.8	15.6	75.1	167.6
Goose2	41	2558.5	53.3	58.3	15.1	81.4	167.9
Goose4	41	2601.8	54.2	58.3	14.5	74.4	167.6
Goose5	40	2529.5	52.7	59.0	14.8	74.9	167.8
Goose6	41	2585.0	53.9	58.7	15.0	74.8	167.9
MT110008	60	4409.4	91.9	57.1	12.7	82.1	171.9
MT110009	57	4101.6	85.5	55.6	13.3	87.3	173.3
MT110016	62	4581.5	95.5	56.7	12.7	82.3	171.3
MT110061	56	3982.5	83.0	56.6	13.3	79.0	171.5
MT110065	57	4110.0	85.6	55.9	12.4	83.0	173.3
MT110066	56	4013.1	83.6	56.9	13.6	78.3	170.6
PI596299	51	3637.3	75.8	46.6	14.8	75.0	167.5
X05013-T1	67	5002.5	104.2	59.2	12.7	81.3	171.9
X0626-T229	61	4421.9	92.1	57.5	13.1	75.8	168.8
X07G30-T131	61	4498.0	93.7	58.4	12.2	81.8	173.2
GRAND MEAN	54	3768.6	78.5	57.1	13.5	79.4	170.2
CV		10.0	10.0	2.1	7.3	6.5	0.6
LSD		305.8	6.3	1.0	0.9	4.1	0.8

*Yield in 48lb bushels. A standard bushel weight for hull-less barley is not established.

Food Irr

Intrastate Hull-less - Irrigated
Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	73	5524.8	115.1	62.1	11.9	70.5	179.0
Goose1	42	2621.5	54.6	60.4	15.0	70.8	173.0
Goose2	37	2221.7	46.3	60.0	14.3	69.2	173.7
Goose4	39	2414.8	50.3	59.2	14.9	70.0	173.0
Goose5	40	2493.7	52.0	59.8	15.1	69.0	173.0
Goose6	42	2685.7	56.0	60.7	14.2	69.7	173.3
MT110008	62	4584.2	95.5	59.3	12.4	70.3	181.3
MT110009	63	4631.1	96.5	57.6	14.3	71.2	181.0
MT110016	67	4997.7	104.1	59.0	12.2	71.8	180.0
MT110061	59	4243.8	88.4	57.5	13.6	64.3	175.3
MT110065	66	4898.9	102.1	57.2	12.4	70.7	179.0
MT110066	64	4674.4	97.4	58.0	13.6	66.8	174.3
PI596299	49	3486.7	72.6	47.8	13.8	61.3	173.3
X05013-T1	69	5102.0	106.3	61.4	13.6	67.3	179.7
X0626-T229	59	4291.4	89.4	58.3	13.5	58.8	175.0
X07G30-T131	65	4821.1	100.4	59.6	12.9	68.0	179.7
GRAND MEAN		3980.8	82.9	58.6	13.6	68.1	176.4
CV		9.6	9.6	1.6	6.8	5.0	0.6
LSD		642.4	13.3	1.6	1.5	5.7	1.9
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Hull-less - Irrigated
WTARC - Conrad, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	71	5373.4	111.9	60.5	12.5	86.4	175.7
Goose1	49	3283.3	68.4	59.3	15.7	83.0	170.3
Goose2	56	3906.4	81.4	58.3	15.7	85.5	171.0
Goose4	53	3666.4	76.4	58.7	14.9	79.6	170.7
Goose5	54	3733.2	77.8	59.7	15.1	83.0	171.0
Goose6	56	3933.2	81.9	59.0	14.8	83.0	171.3
MT110008	70	5213.4	108.6	58.0	14.1	82.2	174.7
MT110009	63	4585.8	95.5	56.1	14.5	94.0	177.0
MT110016	72	5459.9	113.8	57.7	14.0	88.9	172.7
MT110061	63	4677.5	97.5	55.5	13.9	77.9	176.3
MT110065	57	4060.2	84.6	55.1	15.2	91.4	178.0
MT110066	62	4479.3	93.3	57.9	15.3	81.3	176.3
PI596299	58	4245.4	88.4	47.6	16.4	76.2	169.0
X05013-T1	76	5747.0	119.7	61.6	13.3	83.0	176.0
X0626-T229	73	5518.6	115.0	57.9	14.2	73.7	172.3
X07G30-T131	70	5179.3	107.9	59.0	14.3	79.6	177.7
GRAND MEAN		4566.3	95.1	57.6	14.6	83.0	173.7
CV		11.3	11.3	2.4	6.4	6.6	0.7
LSD		862.6	17.9	2.3	0.0	9.1	2.0
No. of Reps		3.0	3.0	3.0	1.0	3.0	3.0

Intrastate Hull-less - Irrigated
NARC - Havre, MT 2015

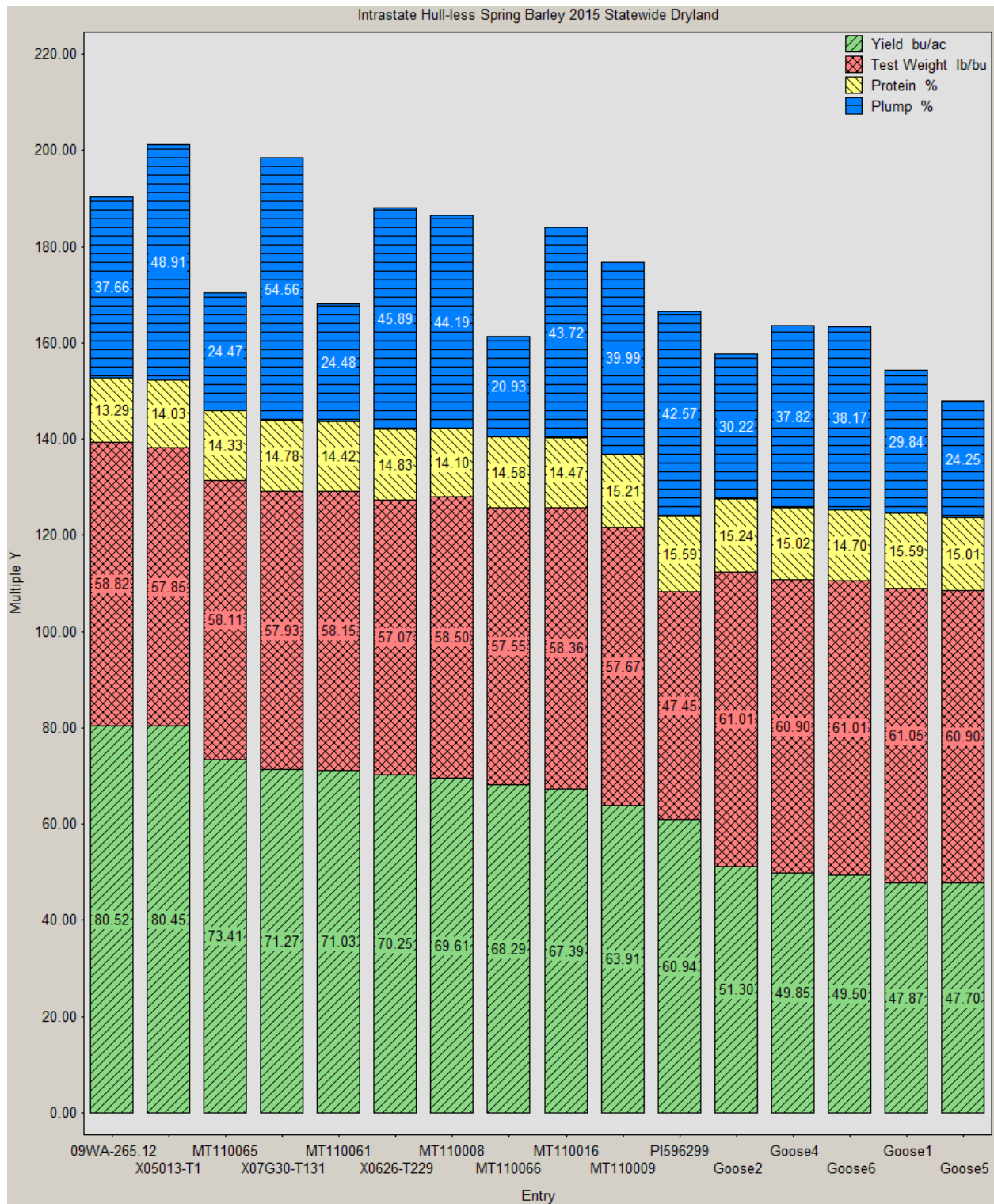
Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	72	5488.8	114.4	61.2	8.8	89.8	162.3
Goose1	41	2578.2	53.7	59.4	15.2	71.8	160.0
Goose2	43	2759.7	57.5	58.7	14.6	85.0	160.0
Goose4	47	3151.2	65.7	59.5	12.4	74.0	160.0
Goose5	43	2817.7	58.7	60.6	12.7	72.0	160.0
Goose6	40	2509.9	52.3	59.3	14.8	76.4	160.0
MT110008	65	4929.8	102.7	57.1	10.6	85.1	162.0
MT110009	60	4446.5	92.6	56.2	9.7	88.8	163.0
MT110016	64	4805.6	100.1	55.8	11.2	78.2	161.7
MT110061	62	4626.9	96.4	57.6	10.4	84.5	162.0
MT110065	67	5032.5	104.8	57.4	10.7	85.8	163.0
MT110066	58	4267.8	88.9	57.2	11.4	79.1	161.3
PI596299	55	4045.7	84.3	46.6	13.7	79.1	160.7
X05013-T1	75	5760.6	120.0	60.0	10.0	90.5	162.0
X0626-T229	70	5313.8	110.7	59.0	10.0	80.4	160.3
X07G30-T131	68	5205.4	108.4	61.0	8.7	90.0	162.3
GRAND MEAN		4233.7	88.2	57.9	11.5	81.9	161.2
CV		8.6	8.6	2.4	12.0	5.9	0.5
LSD		610.4	12.7	2.3	2.3	8.1	1.3
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Hull-less - Irrigated
EARC - Sidney, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	47	3128.6	65.2	57.6	13.8	89.3	171.0
Goose1	24	1066.8	22.2	55.9	16.5	74.7	167.0
Goose2	28	1346.0	28.0	56.2	16.4	85.7	166.7
Goose4	26	1174.7	24.5	55.8	16.1	74.0	166.7
Goose5	25	1073.2	22.4	56.1	16.6	75.7	167.0
Goose6	26	1211.3	25.2	55.9	16.1	70.0	167.0
MT110008	44	2910.2	60.6	53.8	15.2	90.7	169.7
MT110009	42	2743.0	57.1	52.4	15.9	95.3	172.3
MT110016	46	3062.7	63.8	54.2	14.6	90.3	170.7
MT110061	39	2381.6	49.6	55.8	16.0	89.3	172.3
MT110065	39	2448.3	51.0	53.7	14.2	84.0	173.0
MT110066	41	2630.9	54.8	54.4	15.9	86.0	170.3
PI596299	42	2771.4	57.7	44.6	16.9	83.3	167.0
X05013-T1	49	3400.5	70.8	53.6	14.4	84.3	170.0
X0626-T229	41	2563.8	53.4	54.7	15.7	90.3	167.7
X07G30-T131	43	2786.0	58.0	54.0	14.9	89.7	173.0
GRAND MEAN		2293.6	47.7	54.3	15.5	84.5	169.4
CV		6.5	6.5	2.1	2.8	7.5	0.5
LSD		251.2	5.2	1.9	0.7	10.6	1.5
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Hull-less

Dryland



Intrastate Hull-less Spring Barley - Dryland

Statewide Summary 2015

Name	Index Rating	Grain Yield lb/ac	*Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	62	3864.9	80.5	58.8	13.3	74.3	171.5
Goose1	36	2297.9	47.9	61.0	15.6	75.6	166.8
Goose2	37	2462.4	51.3	61.0	15.2	75.8	167.1
Goose4	41	2392.9	49.9	60.9	15.0	73.5	166.9
Goose5	37	2289.5	47.7	60.9	15.0	73.0	167.1
Goose6	36	2375.8	49.5	61.0	14.7	74.1	167.3
MT110008	59	3341.1	69.6	58.5	14.1	74.8	170.5
MT110009	53	3067.4	63.9	57.6	15.2	76.7	172.4
MT110016	54	3234.7	67.4	58.3	14.5	73.2	170.4
MT110061	54	3409.4	71.0	58.1	14.4	70.2	170.9
MT110065	55	3523.5	73.4	58.1	14.3	74.2	173.1
MT110066	51	3277.6	68.3	57.5	14.6	71.7	170.5
PI596299	45	2925.1	60.9	47.4	15.6	67.9	167.4
X05013-T1	65	3861.8	80.5	57.8	14.0	68.4	171.6
X0626-T229	60	3371.8	70.2	57.0	14.8	65.3	167.6
X07G30-T131	54	3421.1	71.3	57.9	14.8	69.1	172.2
GRAND MEAN	50	3069.8	63.9	58.3	14.7	72.3	169.5
CV		10.7	10.7	1.9	3.8	5.1	0.7
LSD		217.4	4.5	0.7	0.4	2.4	0.7

*Yield in 48lb bushels. A standard bushel weight for hull-less barley is not established.

Food Dry

Intrastate Hull-less - Dryland
Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	43	2755.2	57.4	60.3	14.8	59.8	180.7
Goose1	33	1739.2	36.2	62.1	16.7	63.5	175.0
Goose2	35	1949.1	40.6	61.9	16.2	64.7	174.7
Goose4	31	1601.5	33.4	62.2	15.9	60.7	175.0
Goose5	33	1748.4	36.4	62.0	16.2	59.7	175.0
Goose6	32	1725.9	36.0	62.0	15.5	59.0	175.0
MT110008	38	2241.5	46.7	60.9	15.5	59.7	180.0
MT110009	37	2177.6	45.4	60.4	16.6	62.2	184.0
MT110016	41	2506.7	52.2	60.3	15.2	62.0	180.3
MT110061	40	2496.5	52.0	58.2	15.8	57.0	180.0
MT110065	44	2803.4	58.4	60.1	14.9	61.8	183.0
MT110066	35	2028.7	42.3	56.6	16.4	57.0	178.3
PI596299	34	2016.7	42.0	48.6	16.4	55.0	178.0
X05013-T1	45	2900.3	60.4	60.4	15.4	57.7	182.7
X0626-T229	38	2268.3	47.3	56.7	15.9	53.5	177.7
X07G30-T131	42	2654.2	55.3	59.6	16.0	54.5	183.3
GRAND MEAN		2225.8	46.3	59.5	15.8	59.2	178.9
CV		16.2	16.2	1.5	4.1	3.5	1.3
LSD		724.6	12.5	1.5	1.0	3.5	3.8
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Hull-less - Dryland
WTARC - Conrad, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	52	3641.9	75.9	55.8	12.3	74.5	169.7
Goose1	42	2586.2	53.9	61.3	15.3	79.6	164.0
Goose2	45	2866.1	59.7	61.4	14.8	76.2	165.0
Goose4	43	2702.9	56.3	61.5	14.8	75.4	164.3
Goose5	40	2446.6	51.0	61.1	15.0	76.2	164.0
Goose6	43	2765.6	57.6	61.7	14.6	74.5	165.0
MT110008	48	3315.7	69.1	54.5	13.0	75.4	167.3
MT110009	47	3244.2	67.6	53.8	13.7	80.4	170.3
MT110016	48	3254.0	67.8	55.6	13.3	74.5	167.3
MT110061	53	3679.8	76.7	57.5	13.5	68.6	168.7
MT110065	54	3811.6	79.4	55.3	13.5	73.7	171.7
MT110066	50	3436.8	71.6	57.0	13.8	69.4	168.7
PI596299	44	2976.6	62.0	44.8	15.1	70.3	163.0
X05013-T1	48	3291.1	68.6	52.9	13.0	68.6	170.3
X0626-T229	46	3074.8	64.1	55.5	13.8	64.4	165.3
X07G30-T131	48	3249.8	67.7	55.3	13.8	68.6	171.0
GRAND MEAN		3146.4	65.5	56.6	13.9	73.1	167.2
CV		9.1	9.1	2.6	5.2	4.2	0.6
LSD		579.9	10.0	2.5	1.2	5.2	1.6
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Food15ConDry

Intrastate Hull-less - Dryland
NARC - Havre, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	44	2811.7	58.6	55.9	17.2	72.7	166.0
Goose1	32	1619.2	33.7	61.8	17.6	67.0	162.3
Goose2	35	1914.0	39.9	61.6	17.5	61.9	162.7
Goose4	33	1717.5	35.8	60.5	17.3	65.7	163.0
Goose5	31	1576.5	32.8	61.8	17.2	66.6	163.0
Goose6	35	1896.8	39.5	62.1	17.1	68.8	163.0
MT110008	44	2759.5	57.5	58.3	17.9	74.3	165.0
MT110009	38	2174.2	45.3	56.0	19.3	65.7	166.7
MT110016	41	2468.5	51.4	57.9	18.4	66.5	165.7
MT110061	46	2917.8	60.8	57.3	18.2	67.9	165.3
MT110065	42	2614.2	54.5	58.1	18.2	71.5	168.3
MT110066	45	2841.9	59.2	57.3	18.2	71.9	165.3
PI596299	45	2940.8	61.3	47.3	18.2	58.8	163.3
X05013-T1	45	2848.2	59.3	56.5	18.6	63.3	167.3
X0626-T229	39	2376.1	49.5	56.8	17.7	65.6	162.7
X07G30-T131	45	2827.8	58.9	58.5	18.9	58.8	168.0
GRAND MEAN		2394.0	49.8	58.0	17.9	66.6	164.8
CV		8.7	8.7	1.6	1.1	3.9	0.4
LSD		421.6	7.3	1.6	0.3	4.3	1.1
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Food15HavDry

Intrastate Hull-less - Dryland
SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	62	4596.0	95.8	61.4	8.9	80.7	163.7
Goose1	36	2154.8	44.9	62.0	12.5	91.1	160.0
Goose2	37	2234.8	46.6	61.3	12.4	91.2	160.0
Goose4	41	2613.6	54.5	61.5	11.9	91.1	160.0
Goose5	37	2298.8	47.9	62.0	11.5	91.8	160.7
Goose6	36	2199.3	45.8	61.4	11.2	91.1	160.0
MT110008	59	4319.2	90.0	60.3	9.8	86.6	162.3
MT110009	53	3777.4	78.7	59.3	10.2	90.2	163.0
MT110016	54	3843.6	80.1	59.9	10.7	85.1	163.0
MT110061	54	3845.3	80.1	60.2	10.0	78.7	162.7
MT110065	55	3919.4	81.7	60.9	10.4	84.4	163.7
MT110066	51	3637.9	75.8	60.0	9.5	83.0	161.7
PI596299	45	3111.8	64.8	49.7	11.4	77.1	160.7
X05013-T1	65	4902.1	102.1	61.6	9.0	72.7	163.0
X0626-T229	60	4400.7	91.7	59.4	11.2	72.8	160.7
X07G30-T131	54	3913.7	81.5	60.6	9.7	80.1	163.0
GRAND MEAN		3485.5	72.6	60.1	10.6	84.2	161.7
CV		12.5	12.5	1.0	6.5	5.3	0.4
LSD		728.0	15.1	1.0	1.1	7.5	1.1
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Hull-less - Dryland
NWARC - Kalispell, MT 2015

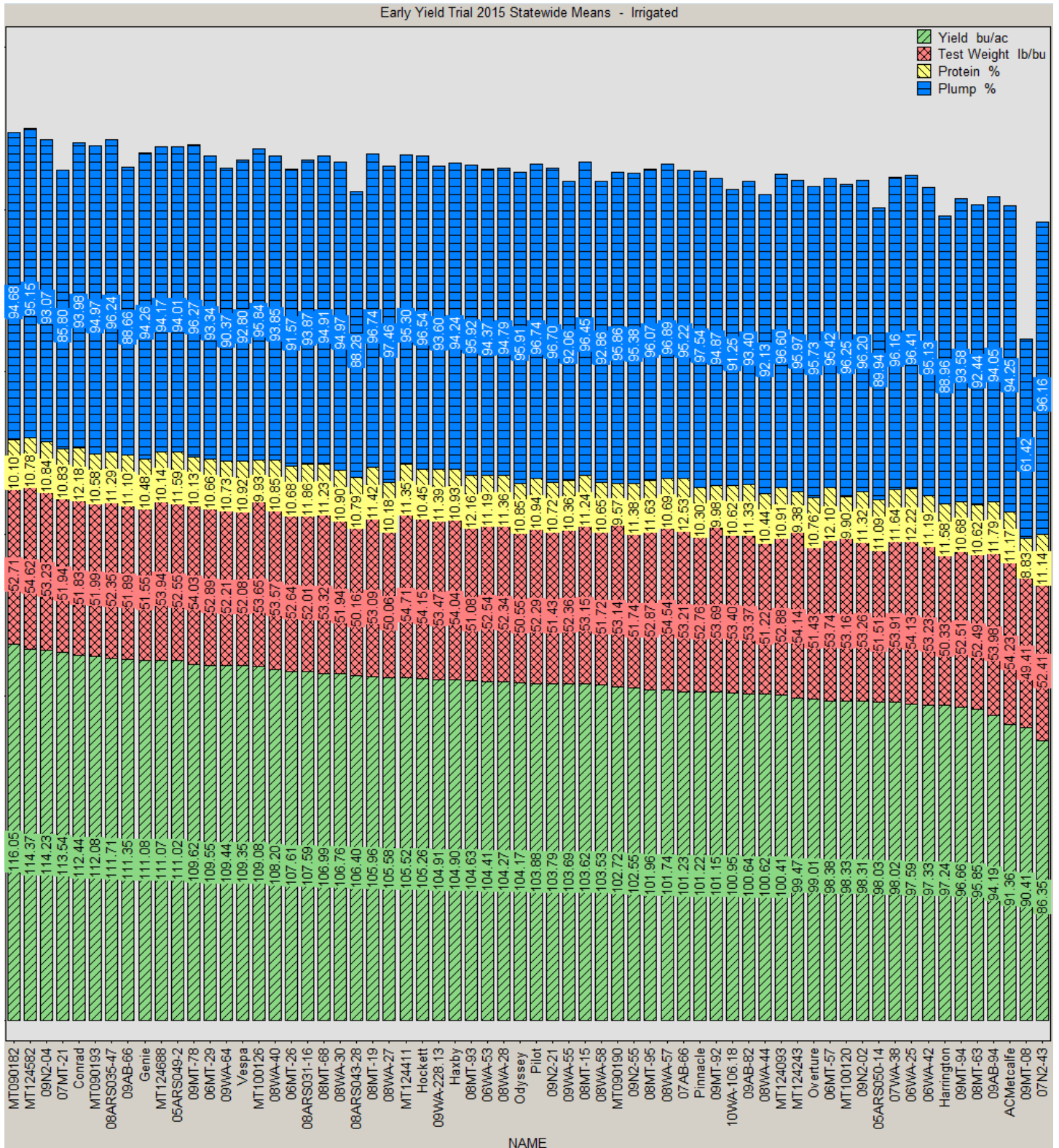
Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	87	6749.2	140.6	60.6	13.3	85.5	174.7
Goose1	62	4451.6	92.7	60.5	15.9	82.1	168.0
Goose2	64	4662.1	97.1	60.3	15.3	87.2	168.0
Goose4	63	4578.2	95.4	60.1	15.2	77.9	168.0
Goose5	61	4383.0	91.3	60.1	15.2	77.9	168.0
Goose6	62	4496.6	93.7	60.1	15.1	86.4	168.0
MT110008	70	5215.4	108.7	59.0	14.4	85.5	175.3
MT110009	70	5109.9	106.5	59.2	16.3	93.1	176.3
MT110016	72	5424.7	113.0	58.6	14.8	83.0	173.0
MT110061	72	5388.7	112.3	58.1	14.6	83.8	174.7
MT110065	78	5945.8	123.9	57.3	14.6	85.5	177.0
MT110066	74	5600.6	116.7	57.9	15.1	83.0	174.3
PI596299	60	4346.5	90.6	47.0	16.8	80.4	168.7
X05013-T1	90	7061.6	147.1	59.1	14.2	85.5	173.0
X0626-T229	74	5541.9	115.5	56.9	15.5	70.3	168.0
X07G30-T131	77	5777.9	120.4	58.7	15.6	87.2	174.3
GRAND MEAN		5295.8	110.3	58.3	15.1	83.4	171.8
CV		6.5	6.5	1.2	2.2	4.1	0.5
LSD		699.0	12.1	1.1	0.5	5.7	1.5
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Intrastate Hull-less - Dryland
CARC - Moccasin, MT 2015

Name	Index Rating	Grain Yield lb/ac	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plant Height cm	Heading Date julian
09WA-265.12	42	2635.3	54.9	58.5	14.9	72.3	174.0
Goose1	26	1236.6	25.8	56.9	16.1	70.0	171.7
Goose2	25	1148.3	23.9	58.4	15.3	73.3	172.3
Goose4	25	1143.9	23.8	58.7	15.2	70.3	171.3
Goose5	27	1283.4	26.7	56.8	15.5	65.7	171.7
Goose6	25	1170.6	24.4	57.1	15.0	65.0	172.7
MT110008	37	2195.1	45.7	57.4	15.3	67.0	173.3
MT110009	34	1921.2	40.0	57.0	17.0	68.7	174.3
MT110016	34	1910.6	39.8	57.3	16.0	68.0	173.0
MT110061	36	2128.4	44.3	57.1	14.0	65.0	174.0
MT110065	35	2046.4	42.6	56.2	14.2	68.3	174.7
MT110066	35	2119.8	44.2	55.8	14.6	66.0	174.7
PI596299	35	2158.2	45.0	47.0	15.3	65.7	170.7
X05013-T1	36	2167.5	45.2	55.5	15.8	62.3	173.3
X0626-T229	41	2568.8	53.5	57.0	15.1	65.3	171.0
X07G30-T131	35	2103.2	43.8	53.1	14.3	65.3	173.7
GRAND MEAN		1871.0	38.9	56.2	15.2	67.4	172.9
CV		15.6	15.6	3.1	4.9	8.0	0.3
LSD		587.5	10.1	3.8	0.0	9.0	1.1
No. of Reps		3.0	3.0	2.0	1.0	3.0	3.0

Section Three: Early Yield Trial

Irrigated



Early Yield Trial - Irrigated

Statewide Summary 2015

Name	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	111.0	52.5	11.5	94.0	83.3	176.9
05ARS050-14	98.0	51.5	11.0	89.9	77.2	179.8
06MT-26	107.6	52.6	10.6	91.5	76.5	175.7
06MT-29	109.5	52.8	10.6	93.3	81.8	168.2
06MT-57	98.3	53.7	12.1	95.4	78.7	176.4
06WA-25	97.5	54.1	12.2	96.4	92.4	170.5
06WA-42	97.3	53.2	11.1	95.1	84.5	177.7
06WA-53	104.4	52.5	11.1	94.3	86.3	176.0
07AB-66	101.2	53.2	12.5	95.2	87.3	172.4
07MT-21	113.5	51.9	10.8	85.8	71.6	176.9
07N2-43	86.3	52.4	11.1	96.1	76.4	170.5
07WA-38	98.0	53.9	11.6	96.1	77.5	175.4
08ARS031-16	107.5	52.0	11.8	93.8	82.9	175.2
08ARS035-47	111.7	52.3	11.2	96.2	78.1	177.4
08ARS043-28	106.4	50.1	10.7	88.2	70.5	178.2
08MT-15	103.6	53.1	11.2	96.4	73.1	176.4
08MT-19	105.9	53.0	11.4	96.7	82.4	175.2
08MT-63	95.8	52.4	10.6	92.4	82.7	174.6
08MT-68	106.9	53.3	11.2	94.9	81.7	172.8
08MT-93	104.6	51.0	12.1	95.9	79.5	175.5
08MT-95	101.9	52.8	11.6	96.0	87.3	172.8
08WA-27	105.5	50.0	10.1	97.4	67.9	175.3
08WA-28	104.2	52.3	11.3	94.7	85.7	175.2
08WA-30	106.7	51.9	10.9	94.9	77.4	178.5
08WA-40	108.2	53.5	10.8	93.8	74.3	175.5
08WA-44	100.6	51.2	10.4	92.1	72.0	176.4
08WA-57	101.7	54.5	10.6	96.8	76.9	176.5
08WA-58	103.5	51.7	10.6	92.8	83.3	174.4
09AB-66	111.3	51.8	11.1	88.6	77.6	177.0
09AB-82	100.6	53.3	11.3	93.4	77.3	175.7
09AB-94	94.1	53.9	11.7	94.0	76.6	173.4
09MT-08	90.4	49.4	8.8	61.4	71.2	169.1
09MT-78	109.6	54.0	10.1	96.2	85.8	174.4
09MT-92	101.1	53.6	9.9	94.8	82.6	173.2
09MT-94	96.6	52.5	10.6	93.5	79.7	168.8
09N2-02	98.3	53.2	11.3	96.2	79.9	171.0
09N2-04	114.2	53.2	10.8	93.0	74.7	173.8
09N2-21	103.7	51.4	10.7	96.7	79.3	170.4
09N2-55	102.5	51.7	11.3	95.3	78.4	171.9
09WA-228.13	104.9	53.4	11.3	93.6	76.7	175.6

EYT Irr

Early Yield Trial - Irrigated

Statewide Summary 2015

Name	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-55	103.6	52.3	10.3	92.0	76.0	173.4
09WA-64	109.4	52.2	10.7	90.3	77.0	177.9
10WA-106.18	100.9	53.4	10.6	91.2	79.5	174.2
ACMetcalfe	91.3	54.2	11.1	94.2	78.9	174.1
Conrad	112.4	51.8	12.1	93.9	77.7	176.1
Genie	111.0	51.5	10.4	94.2	69.0	179.0
Harrington	97.2	50.3	11.5	88.9	82.1	177.5
Haxby	104.9	54.0	10.9	94.2	76.7	174.6
Hockett	105.2	54.1	10.4	96.5	76.8	173.2
MT090182	116.0	52.7	10.1	94.6	83.9	174.6
MT090190	102.7	53.1	9.5	95.8	83.9	176.7
MT090193	112.0	51.9	10.5	94.9	81.7	177.0
MT100120	98.3	53.1	9.9	96.2	78.3	175.3
MT100126	109.0	53.6	9.9	95.8	82.9	175.8
MT124093	100.4	52.8	10.9	96.6	87.7	172.7
MT124243	99.4	54.1	9.3	95.9	83.7	176.4
MT124411	105.5	54.7	11.3	95.3	80.4	169.6
MT124582	114.3	54.6	10.7	95.1	78.1	173.3
MT124688	111.0	53.9	10.1	94.1	84.9	174.2
Odyssey	104.1	50.5	10.8	95.9	71.7	178.4
Overture	99.0	51.4	10.7	95.7	72.5	179.0
Pilot	103.8	52.2	10.9	96.7	74.5	178.3
Pinnacle	101.2	52.7	10.3	97.5	80.3	170.7
Vespa	109.3	52.0	10.9	92.8	68.3	178.4
GRAND MEAN	103.8	52.6	10.9	93.8	78.9	174.8
CV	10.5	1.9	5.6	1.8	4.8	1.5
LSD	12.4	1.1	0.7	1.9	4.3	3.1

Early Yield Trial - Irrigated

Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
07AB-66	86	83.7	53.6	12.9	94.6	72.0	182.0
09AB-94	87	86.3	53.5	10.8	91.3	66.5	184.0
09AB-82	82	76.4	52.8	11.0	89.1	64.0	184.0
09AB-66	101	121.5	51.1	11.2	86.2	66.8	187.0
Conrad	96	107.6	51.3	13.4	92.6	66.5	188.0
ACMetcalfe	82	75.6	55.2	11.5	91.3	70.5	182.0
Harrington	87	90.8	51.6	12.3	87.7	69.0	188.0
05ARS050-14	90	95.6	50.2	11.4	87.8	61.3	191.0
05ARS049-2	96	106.1	52.8	10.8	91.8	77.5	187.0
08ARS035-47	95	103.8	51.9	11.4	95.5	64.2	190.0
08ARS043-28	93	102.6	50.4	11.4	87.2	62.3	189.0
08ARS031-16	95	105.8	52.6	12.2	92.0	74.3	183.0
Vespa	100	117.4	52.0	11.0	87.8	63.7	189.0
Genie	95	103.0	52.5	10.6	96.1	56.3	191.0
Odyssey	93	96.8	51.8	11.6	97.6	62.0	191.0
Overture	91	93.5	52.4	11.1	98.1	62.8	191.0
Pilot	93	98.9	52.4	10.6	95.2	64.8	190.0
Haxby	88	87.7	54.2	11.1	93.9	62.3	185.5
MT090193	105	124.8	52.8	10.9	94.4	67.5	187.0
MT090182	100	115.8	52.0	9.9	90.7	73.0	184.0
MT090190	101	116.7	53.2	9.7	93.4	77.8	187.5
MT100120	93	96.5	53.6	10.1	96.6	64.5	188.0
MT100126	90	91.1	55.1	9.6	94.9	74.0	184.5
MT124243	89	92.9	53.5	9.5	86.9	72.0	185.0
Hockett	86	82.1	54.6	10.6	93.9	72.3	182.0
06MT-26	96	107.8	52.6	10.7	88.7	68.2	185.0
06MT-29	97	110.4	52.1	10.8	88.0	71.7	185.3
06MT-57	92	96.7	54.0	11.9	95.7	69.5	185.5
07MT-21	94	106.7	51.6	12.0	86.5	63.8	184.0
MT124582	96	109.6	53.9	11.0	88.8	65.8	184.5
08MT-15	85	81.5	54.0	11.7	94.6	66.3	185.7
08MT-19	85	80.9	53.9	14.0	97.6	61.0	188.0
MT124688	91	93.4	53.9	9.8	94.3	74.0	184.0
08MT-63	90	93.4	52.1	10.7	90.7	70.2	185.0
08MT-68	93	102.9	52.0	11.5	88.8	72.3	182.0
08MT-93	94	100.6	51.7	12.9	96.4	68.8	186.7
08MT-95	90	92.5	52.0	12.1	96.3	74.8	182.7
09MT-08	76	76.2	50.3	8.5	63.3	63.3	178.5
MT124411	100	117.1	54.5	11.1	91.2	71.0	178.5
09MT-78	97	108.9	53.6	10.3	93.5	75.0	185.0
09MT-94	90	94.8	52.0	10.5	90.6	68.5	178.0

EYT15Bozlrr

Early Yield Trial - Irrigated

Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-64	95	105.6	51.9	12.2	91.9	58.0	190.0
10WA-106.18	89	93.1	53.1	10.8	87.5	70.7	185.3
ACMetcalfe	82	75.6	55.2	11.5	91.3	70.5	182.0
Conrad	96	107.6	51.3	13.4	92.6	66.5	188.0
Genie	95	103.0	52.5	10.6	96.1	56.3	191.0
Harrington	87	90.8	51.6	12.3	87.7	69.0	188.0
Haxby	88	87.7	54.2	11.1	93.9	62.3	185.5
Hockett	86	82.1	54.6	10.6	93.9	72.3	182.0
MT090182	100	115.8	52.0	9.9	90.7	73.0	184.0
MT090190	101	116.7	53.2	9.7	93.4	77.8	187.5
MT090193	105	124.8	52.8	10.9	94.4	67.5	187.0
MT100120	93	96.5	53.6	10.1	96.6	64.5	188.0
MT100126	90	91.1	55.1	9.6	94.9	74.0	184.5
MT124093	94	99.5	53.4	11.7	96.4	71.8	183.5
MT124243	89	92.9	53.5	9.5	86.9	72.0	185.0
MT124411	100	117.1	54.5	11.1	91.2	71.0	178.5
MT124582	96	109.6	53.9	11.0	88.8	65.8	184.5
MT124688	91	93.4	53.9	9.8	94.3	74.0	184.0
Odyssey	93	96.8	51.8	11.6	97.6	62.0	191.0
Overture	91	93.5	52.4	11.1	98.1	62.8	191.0
Pilot	93	98.9	52.4	10.6	95.2	64.8	190.0
Pinnacle	96	104.4	52.6	9.8	96.9	65.8	179.5
Vespa	100	117.4	52.0	11.0	87.8	63.7	189.0
GRAND MEAN		97.7	52.6	11.1	91.9	67.7	185.2
CV		14.4	2.4	9.5	3.4	7.6	1.1
LSD		26.5	2.3	1.9	6.0	9.7	3.9
RE-RCBD		100.0	100.0	100.0	100.0	100.0	100.0
No. of Reps		2.2	2.2	2.2	2.2	2.2	2.2

Field error led to missing entries. Not all entries have 3 replicates.

Early Yield Trial - Irrigated

SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	96	104.6	52.5	11.6	96.0	89.2	166.7
05ARS050-14	95	104.5	52.6	11.2	93.7	92.2	167.7
06MT-26	99	112.8	52.7	10.7	95.0	85.2	166.0
06MT-29	99	109.8	53.2	10.5	96.9	92.8	150.7
06MT-57	93	98.3	53.6	12.0	96.1	90.6	167.7
06WA-25	96	104.2	53.9	12.4	98.2	102.5	161.7
06WA-42	94	99.1	53.3	11.1	98.4	96.2	166.0
06WA-53	100	112.9	53.2	10.9	97.0	101.5	164.7
07AB-66	97	108.2	52.8	12.2	96.7	101.4	162.7
07MT-21	99	119.2	51.7	10.1	82.1	80.8	168.7
07N2-43	97	104.7	53.9	11.3	98.5	89.0	161.7
07WA-38	97	108.2	52.7	11.3	95.0	88.4	165.3
08ARS031-16	97	109.5	51.0	11.5	94.0	92.4	167.0
08ARS035-47	102	116.3	53.0	11.2	98.2	91.7	165.3
08ARS043-28	99	114.4	50.2	10.6	89.6	79.8	166.7
08MT-15	101	115.0	52.0	10.8	97.5	81.6	167.0
08MT-19	94	99.4	52.8	10.5	98.2	95.6	163.7
08MT-63	94	99.8	52.8	10.5	94.5	95.1	164.0
08MT-68	100	112.0	53.9	11.3	98.2	93.4	162.7
08MT-93	96	104.4	50.5	11.4	96.4	89.3	164.0
08MT-95	98	108.4	53.9	11.2	97.0	99.9	163.0
08WA-27	101	114.3	49.7	10.4	97.1	74.8	165.7
08WA-28	96	104.1	51.9	11.0	95.8	98.5	164.0
08WA-30	102	118.1	53.3	10.8	97.3	92.0	167.0
08WA-40	100	111.9	54.6	10.6	97.1	86.9	163.3
08WA-44	93	98.4	51.5	10.3	96.6	84.6	165.0
08WA-57	101	114.7	54.5	10.5	98.2	86.4	164.0
08WA-58	99	111.4	51.3	9.8	94.6	92.8	165.7
09AB-66	94	103.4	52.8	11.0	90.9	88.7	167.3
09AB-82	97	106.7	54.1	10.9	96.7	89.2	165.3
09AB-94	95	102.1	54.1	12.4	97.0	87.1	162.3
09MT-08	85	100.2	49.3	8.8	59.5	79.7	160.0
09MT-78	96	104.3	54.0	9.9	97.3	96.3	163.7
09MT-92	101	113.8	52.9	10.1	97.8	94.6	163.0
09MT-94	96	104.0	53.1	10.8	96.9	91.8	160.0
09N2-02	100	112.8	53.8	12.1	99.4	93.5	161.3
09N2-04	103	119.1	54.7	10.4	97.3	84.9	163.0
09N2-21	99	109.6	50.9	10.3	99.1	89.2	161.3
09N2-55	103	118.4	50.4	11.7	98.5	91.9	162.0
09WA-228.13	94	101.9	54.0	11.0	94.0	88.8	163.0
09WA-55	99	111.2	52.9	10.2	94.9	88.7	162.0

EYT15HunIrr

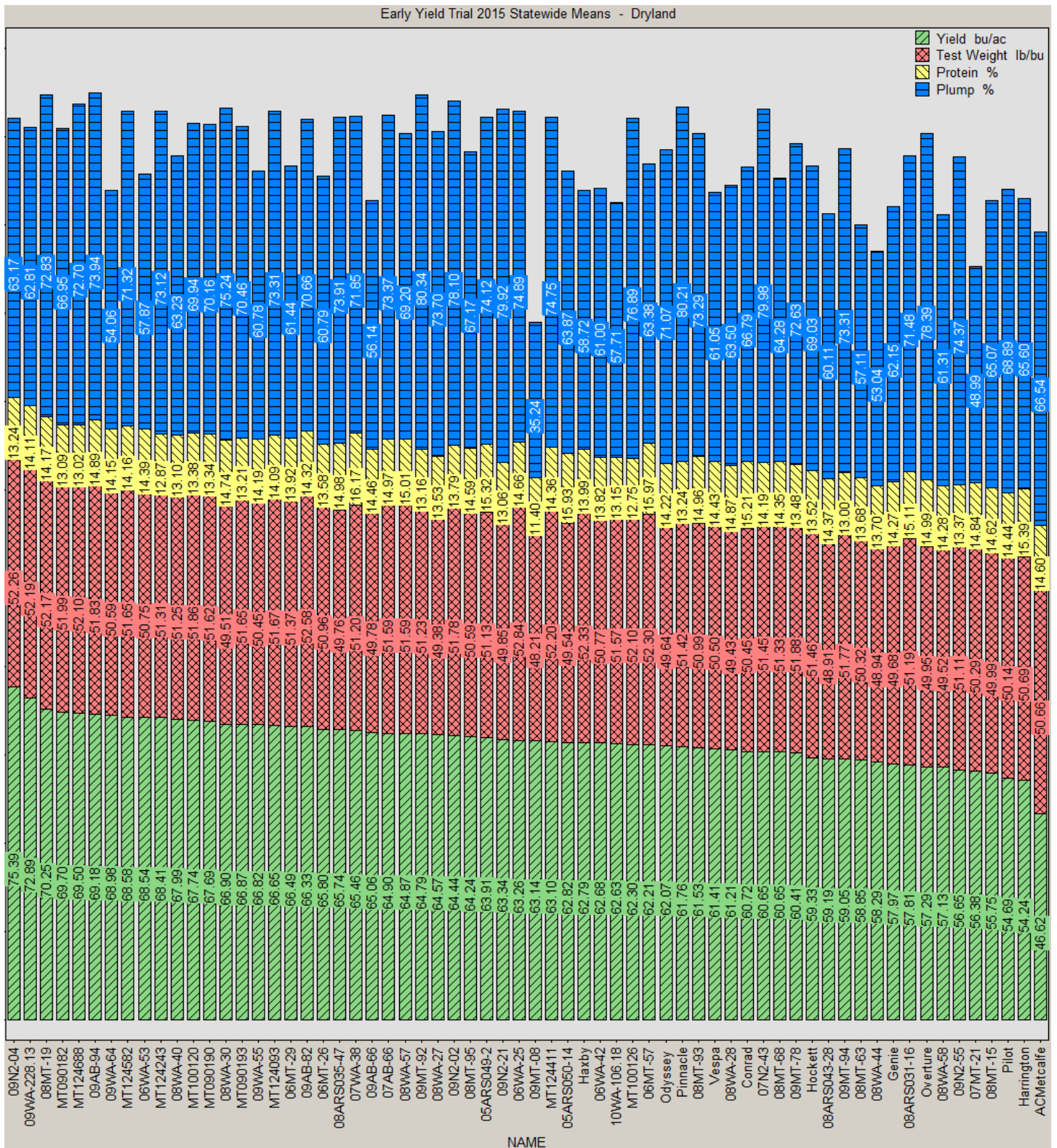
Early Yield Trial - Irrigated

SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-64	97	109.1	53.2	10.0	89.2	89.3	167.0
10WA-106.18	99	111.4	53.6	10.4	95.5	89.0	163.0
ACMetcalfe	100	112.3	52.9	10.8	96.3	87.9	166.3
Conrad	100	113.6	52.4	11.0	96.1	88.3	164.7
Genie	100	115.1	50.8	10.3	93.9	80.6	167.3
Harrington	92	100.0	49.8	11.6	90.5	88.6	167.7
Haxby	103	117.8	54.8	10.7	97.9	90.2	163.7
Hockett	104	120.8	54.0	9.9	98.8	83.8	164.3
MT090182	100	112.2	53.4	9.9	97.3	96.7	165.3
MT090190	96	103.9	53.2	9.8	97.6	92.7	166.0
MT090193	94	100.3	51.4	10.6	96.3	95.3	166.7
MT100120	94	98.5	52.9	9.7	97.3	93.6	164.7
MT100126	100	111.6	52.0	9.9	97.1	91.7	166.7
MT124093	94	98.4	52.7	10.5	97.6	101.1	163.0
MT124243	96	103.9	53.2	10.0	97.9	96.7	166.3
MT124411	100	112.2	54.4	11.2	97.7	92.3	160.7
MT124582	102	117.3	54.6	11.0	98.6	91.3	162.0
MT124688	100	112.0	54.5	9.9	96.7	94.7	163.7
Odyssey	98	109.2	50.2	10.1	96.6	79.9	167.0
Overture	96	104.5	51.0	10.4	95.6	79.2	167.7
Pilot	98	108.2	52.0	11.3	97.8	84.9	166.3
Pinnacle	97	105.5	52.7	10.0	98.7	94.1	163.0
Vespa	95	103.0	52.0	10.8	96.5	72.1	168.0
GRAND MEAN		108.5	52.7	10.7	95.6	90.0	164.4
CV		9.8	1.6	3.6	1.0	4.7	2.0
LSD		17.2	1.3	0.6	1.6	6.9	5.3
RE-RCBD		110.6	100.0	130.5	100.0	119.4	100.0
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Early Yield Trial

Dryland



Early Yield Trial - Dryland

Statewide Summary 2015

Name	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	63.9	51.1	15.3	74.1	62.2	172.4
05ARS050-14	62.8	49.5	15.9	63.8	58.6	172.0
06MT-26	65.8	50.9	13.5	60.7	61.5	169.4
06MT-29	66.4	51.3	13.9	61.4	64.8	169.7
06MT-57	62.2	52.3	15.9	63.3	60.3	170.4
06WA-25	63.2	52.8	14.6	74.8	70.7	165.6
06WA-42	62.6	50.7	13.8	61.0	67.1	171.4
06WA-53	68.5	50.7	14.3	57.8	69.3	170.9
07AB-66	64.9	51.5	14.9	73.3	68.4	168.5
07MT-21	56.3	50.2	14.8	48.9	59.8	170.4
07N2-43	60.6	51.4	14.1	79.9	64.8	165.4
07WA-38	65.4	51.2	16.1	71.8	61.6	170.7
08ARS031-16	57.8	51.1	15.1	71.4	66.0	170.4
08ARS035-47	65.7	49.7	14.9	73.9	57.5	171.6
08ARS043-28	59.1	48.9	14.3	60.1	60.0	169.7
08MT-15	55.7	49.9	14.6	65.0	54.5	170.3
08MT-19	70.2	52.1	14.1	72.8	62.6	170.0
08MT-63	58.8	50.3	13.6	57.1	64.0	169.5
08MT-68	60.6	51.3	14.3	64.2	63.3	169.9
08MT-93	61.5	50.9	14.9	73.2	63.7	169.9
08MT-95	64.2	50.5	14.5	67.1	66.0	169.1
08WA-27	64.5	49.3	13.5	73.7	60.3	168.6
08WA-28	61.2	49.4	14.8	63.5	61.8	170.3
08WA-30	66.9	49.5	14.7	75.2	61.0	171.5
08WA-40	67.9	51.2	13.1	63.2	58.3	169.6
08WA-44	58.2	48.9	13.7	53.0	54.9	170.6
08WA-57	64.8	51.5	15.0	69.2	58.7	171.2
08WA-58	57.1	49.5	14.2	61.3	64.4	169.9
09AB-66	65.0	49.7	14.4	56.1	60.8	171.1
09AB-82	66.3	52.5	14.3	70.6	61.8	170.5
09AB-94	69.1	51.8	14.8	73.9	59.6	168.2
09MT-08	63.1	48.2	11.4	35.2	60.9	165.5
09MT-78	60.4	51.8	13.4	72.6	64.9	170.0
09MT-92	64.7	51.2	13.1	80.3	66.5	169.6
09MT-94	59.0	51.7	13.0	73.3	61.6	167.1
09N2-02	64.4	51.7	13.7	78.1	63.5	166.7
09N2-04	75.3	52.2	13.2	63.1	61.8	169.4
09N2-21	63.3	49.8	13.0	79.9	62.9	166.4
09N2-55	56.6	51.1	13.3	74.3	59.3	169.0
09WA-228.13	72.8	52.1	14.1	62.8	61.3	170.1

EYT Dry

Early Yield Trial - Dryland

Statewide Summary 2015

Name	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-55	66.8	50.4	14.1	60.7	59.9	169.5
09WA-64	68.9	50.5	14.1	54.0	61.4	170.4
10WA-106.18	62.6	51.5	13.1	57.7	60.6	169.2
ACMetcalfe	46.6	50.6	14.6	66.5	60.8	169.7
Conrad	60.7	50.4	15.2	66.7	59.6	171.4
Genie	57.9	49.6	14.2	62.1	53.4	171.8
Harrington	54.2	50.6	15.3	65.6	64.1	168.3
Haxby	62.7	52.3	13.9	58.7	64.9	167.5
Hockett	59.3	51.4	13.5	69.0	64.4	169.1
MT090182	69.7	51.9	13.0	66.9	67.2	170.7
MT090190	67.6	51.6	13.3	70.1	65.6	170.7
MT090193	66.8	51.6	13.2	70.4	66.1	170.9
MT100120	67.7	51.8	13.3	69.9	67.0	170.7
MT100126	62.3	52.1	12.7	76.8	64.1	172.0
MT124093	66.6	51.6	14.0	73.3	70.1	166.8
MT124243	68.4	51.3	12.8	73.1	64.3	170.9
MT124411	63.1	52.2	14.3	74.7	65.2	167.6
MT124582	68.5	51.6	14.1	71.3	63.8	167.8
MT124688	69.5	52.1	13.0	72.7	66.7	169.0
Odyssey	62.0	49.6	14.2	71.0	61.1	171.6
Overture	57.2	49.9	14.9	78.3	59.9	171.8
Pilot	54.6	50.1	14.4	68.8	57.8	172.1
Pinnacle	61.7	51.4	13.2	80.2	63.1	168.9
Vespa	61.4	50.5	14.4	61.0	56.6	171.3
GRAND MEAN	63.2	50.9	14.1	67.4	62.4	169.7
CV	9.3	1.7	3.7	8.6	4.9	0.9
LSD	4.7	0.7	0.4	5.3	2.4	1.2

EYT Dry

Early Yield Trial - Dryland

Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	60	45.3	50.2	15.7	64.8	53.0	175.9
05ARS050-14	55	41.1	50.3	16.4	52.6	50.0	176.2
06MT-26	57	47.3	49.1	13.7	46.2	54.0	173.2
06MT-29	58	49.5	49.9	14.4	48.4	56.5	171.7
06MT-57	54	38.5	51.3	16.3	53.7	49.5	173.8
06WA-25	56	39.8	50.9	15.0	57.7	58.8	168.4
06WA-42	56	47.5	48.7	13.9	43.0	59.9	174.2
06WA-53	60	52.1	50.7	14.0	50.2	59.7	174.8
07AB-66	61	48.6	50.9	14.5	60.3	59.6	173.4
07MT-21	53	47.0	48.3	15.0	34.6	52.8	173.9
07N2-43	64	49.9	50.2	14.5	68.8	56.3	169.2
07WA-38	59	44.5	50.1	16.8	62.9	52.2	175.4
08ARS031-16	58	44.2	50.1	15.5	58.4	57.0	175.1
08ARS035-47	63	53.2	49.1	14.8	60.7	49.2	175.1
08ARS043-28	53	41.9	47.4	15.0	40.7	51.0	173.2
08MT-15	55	39.8	49.4	15.2	53.8	50.2	173.4
08MT-19	66	60.5	51.4	14.4	59.0	58.8	173.3
08MT-63	56	49.4	48.6	14.4	38.8	56.2	171.0
08MT-68	53	39.5	49.3	14.7	44.1	54.8	173.4
08MT-93	59	45.7	49.7	15.2	58.9	57.4	171.7
08MT-95	60	52.8	47.8	14.7	49.1	55.2	171.5
08WA-27	59	42.5	48.1	13.6	61.6	48.3	175.5
08WA-28	57	45.6	48.6	14.8	51.7	55.4	171.4
08WA-30	66	53.5	49.2	14.8	72.5	50.2	174.0
08WA-40	58	49.4	49.0	13.1	44.8	52.0	171.6
08WA-44	51	43.3	46.6	14.3	32.1	48.4	172.2
08WA-57	57	43.9	50.5	15.2	55.1	51.7	175.5
08WA-58	58	50.7	47.4	14.8	46.9	56.8	172.9
09AB-66	53	46.0	48.2	14.5	35.9	49.3	173.3
09AB-82	64	56.4	51.4	15.0	60.3	54.1	175.5
09AB-94	58	43.7	49.8	15.0	59.6	50.3	171.7
09MT-08	47	35.1	46.0	11.7	27.1	50.5	169.7
09MT-78	57	41.9	50.3	14.1	57.8	54.3	175.2
09MT-92	63	46.5	50.6	13.6	72.1	58.1	174.6
09MT-94	64	50.8	50.7	13.6	68.3	54.6	173.3
09N2-02	60	46.7	49.2	13.9	58.0	55.1	171.1
09N2-04	59	50.6	50.0	13.4	47.2	51.0	172.0
09N2-21	66	53.7	48.0	13.5	72.5	57.1	170.2
09N2-55	58	44.0	49.9	13.3	57.3	52.8	173.4
09WA-228.13	62	58.3	50.5	14.1	46.6	55.3	173.9
09WA-55	57	48.9	47.9	14.9	45.1	52.7	171.2

EYT15BozDry

Early Yield Trial - Dryland

Post Farm - Bozeman, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-64	56	50.8	48.3	14.2	38.9	50.5	173.2
10WA-106.18	60	54.1	49.6	13.4	45.0	54.4	173.9
ACMetcalfe	51	29.9	50.0	15.3	53.6	52.8	171.6
Conrad	56	42.1	48.8	15.8	55.5	50.4	173.5
Genie	51	34.9	48.5	14.4	46.7	45.4	174.9
Harrington	54	37.0	49.4	15.9	56.2	53.0	173.5
Haxby	50	35.2	50.7	13.9	41.0	58.1	170.1
Hockett	62	47.7	50.4	14.3	66.0	57.2	173.0
MT090182	59	46.6	50.6	12.8	53.2	58.5	176.0
MT090190	56	37.9	50.0	13.2	60.2	56.7	174.6
MT090193	61	49.7	50.2	13.5	59.6	57.1	175.8
MT100120	61	48.3	50.5	12.9	59.9	56.9	175.0
MT100126	70	59.9	51.4	13.1	74.3	58.3	177.3
MT124093	63	51.2	50.3	14.4	63.1	61.9	172.1
MT124243	61	45.9	49.7	12.9	65.6	54.5	174.6
MT124411	62	52.7	51.3	15.1	59.8	55.3	173.1
MT124582	64	55.6	50.2	14.1	59.3	57.2	171.3
MT124688	61	48.6	50.5	13.3	61.3	58.1	171.4
Odyssey	58	41.5	48.9	14.7	61.1	54.6	175.2
Overture	62	36.2	52.2	15.7	88.1	53.4	176.7
Pilot	59	44.5	49.0	14.6	61.1	49.5	173.6
Pinnacle	59	39.8	48.9	13.5	69.6	53.9	175.1
Vespa	55	44.1	48.4	14.8	45.3	48.8	173.8
GRAND MEAN		46.3	49.6	14.4	55.1	54.1	173.3
CV		16.2	1.8	3.7	11.9	3.5	0.7
LSD		12.1	1.4	0.8	10.7	3.0	2.0
RE-RCBD		110.5	104.9	155.2	117.2	130.6	134.9
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Early Yield Trial - Dryland

NARC - Havre, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	71	72.1	48.6	17.7	60.7	63.6	168.7
05ARS050-14	62	60.4	44.5	18.4	47.9	58.2	169.0
06MT-26	63	63.2	49.0	15.5	42.4	64.5	165.0
06MT-29	67	75.0	48.6	16.1	39.3	67.4	166.0
06MT-57	63	66.9	49.2	18.1	38.4	64.4	165.7
06WA-25	74	72.6	51.8	15.1	68.3	76.3	159.3
06WA-42	62	61.7	48.3	16.2	44.0	66.5	168.0
06WA-53	60	65.8	47.1	16.5	27.2	73.7	166.7
07AB-66	72	73.6	49.2	16.6	62.1	67.6	162.7
07MT-21	56	58.8	48.6	17.4	25.4	60.6	166.7
07N2-43	74	71.0	50.7	14.7	73.5	67.8	159.3
07WA-38	68	70.4	49.0	18.6	54.7	65.6	166.0
08ARS031-16	66	61.7	49.6	16.9	59.6	70.3	165.7
08ARS035-47	69	66.0	47.6	16.9	64.0	59.1	168.0
08ARS043-28	61	58.9	47.7	16.3	43.5	64.4	165.7
08MT-15	59	55.0	46.1	16.8	43.8	54.3	166.7
08MT-19	74	77.6	50.6	16.0	62.0	66.0	165.0
08MT-63	59	57.1	47.0	16.7	39.7	65.8	165.7
08MT-68	69	71.5	49.5	16.2	51.9	66.8	166.3
08MT-93	69	66.7	50.3	16.4	63.4	69.5	166.3
08MT-95	65	61.6	48.0	16.4	54.2	62.1	164.0
08WA-27	70	68.0	47.5	15.4	61.6	68.5	157.3
08WA-28	65	68.4	45.9	17.4	43.6	62.6	167.7
08WA-30	65	61.9	45.2	17.0	57.1	61.9	168.0
08WA-40	70	75.2	49.2	15.0	48.7	61.5	165.0
08WA-44	61	64.9	46.3	16.1	33.0	57.3	168.3
08WA-57	69	71.2	48.4	17.5	54.4	62.1	167.0
08WA-58	63	64.6	46.7	17.7	42.5	66.4	165.3
09AB-66	64	69.8	47.2	17.0	37.9	63.0	168.7
09AB-82	68	67.6	49.6	15.3	54.2	59.6	165.3
09AB-94	74	75.9	50.0	16.4	65.4	60.7	163.3
09MT-08	60	69.6	46.4	13.0	20.2	60.1	159.0
09MT-78	69	65.8	49.8	15.5	63.8	67.2	164.7
09MT-92	74	70.0	49.6	15.0	74.0	64.7	164.3
09MT-94	69	69.3	49.6	14.0	55.9	60.4	158.7
09N2-02	79	78.1	51.3	14.5	78.6	64.9	160.7
09N2-04	73	83.6	50.2	14.5	45.4	66.7	165.0
09N2-21	75	76.0	48.7	14.5	68.8	66.9	160.0
09N2-55	71	67.1	50.1	14.9	67.8	63.8	164.3
09WA-228.13	68	74.6	50.6	15.5	44.9	63.2	164.7
09WA-55	67	73.8	47.7	16.3	41.7	63.0	165.0

EYT15HavDry

Early Yield Trial - Dryland

NARC - Havre, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-64	62	70.6	47.7	16.7	28.3	64.2	166.0
10WA-106.18	62	65.4	49.9	15.4	36.0	61.2	163.3
ACMetcalfe	57	49.4	48.2	18.1	48.9	64.8	166.0
Conrad	63	60.7	48.0	17.7	49.3	60.6	168.3
Genie	63	61.7	47.0	16.1	46.6	58.5	168.3
Harrington	60	56.9	48.1	17.3	46.5	67.9	166.3
Haxby	65	71.0	51.0	16.4	38.7	67.8	163.0
Hockett	63	65.0	48.6	16.1	42.2	64.8	163.3
MT090182	69	73.8	49.3	15.6	50.3	70.0	165.7
MT090190	69	72.2	49.1	15.9	53.5	68.4	166.7
MT090193	67	65.8	50.0	15.5	55.3	69.6	166.3
MT100120	66	64.5	49.1	15.9	52.5	69.8	166.0
MT100126	66	61.8	49.4	14.9	59.6	61.6	167.0
MT124093	69	67.6	49.4	15.8	59.4	71.2	163.7
MT124243	69	69.2	49.2	14.5	57.9	64.7	167.7
MT124411	72	71.0	50.4	16.0	67.6	66.5	160.7
MT124582	72	74.3	49.6	16.0	58.8	66.2	162.7
MT124688	69	68.1	49.9	14.8	60.0	70.4	164.7
Odyssey	66	63.1	45.9	15.8	55.1	68.6	167.7
Overture	60	53.6	45.1	16.6	52.1	63.9	168.7
Pilot	61	57.8	48.0	17.2	48.8	64.6	168.7
Pinnacle	74	71.8	49.2	15.1	72.7	66.1	161.3
Vespa	61	60.3	48.6	16.9	41.1	57.3	169.0
GRAND MEAN		67.1	48.6	16.1	51.7	64.8	165.1
CV		3.6	1.9	2.6	15.8	2.4	0.6
LSD		3.9	1.5	0.7	13.2	2.5	1.6
RE-RCBD		183.0	133.0	120.7	119.2	100.1	100.0
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Early Yield Trial - Dryland

SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	99	111.3	52.7	12.5	96.7	85.2	165.9
05ARS050-14	101	120.5	51.5	13.0	91.0	81.8	163.5
06MT-26	104	122.9	53.1	11.5	93.7	80.7	161.7
06MT-29	101	114.9	53.2	11.3	96.5	89.2	162.7
06MT-57	103	119.5	54.6	13.4	97.9	81.3	163.7
06WA-25	100	114.1	53.9	13.8	98.5	94.8	158.8
06WA-42	101	116.4	53.2	11.4	95.8	92.6	164.0
06WA-53	103	121.5	52.6	12.6	96.1	89.5	162.5
07AB-66	98	110.6	52.7	13.8	97.5	92.1	160.2
07MT-21	88	92.4	51.6	12.1	86.8	80.2	162.8
07N2-43	94	99.8	52.7	13.3	97.5	86.7	158.4
07WA-38	102	118.7	53.2	13.1	97.8	84.3	162.7
08ARS031-16	93	99.3	53.0	12.9	96.4	86.3	162.7
08ARS035-47	99	111.5	51.3	13.3	96.9	74.2	164.2
08ARS043-28	97	108.3	50.4	11.8	95.9	78.4	161.6
08MT-15	91	93.3	51.5	11.9	97.5	72.3	162.8
08MT-19	102	118.5	53.2	12.0	97.3	84.1	163.2
08MT-63	89	91.3	52.5	9.9	92.7	84.5	162.9
08MT-68	96	105.6	53.7	12.2	96.7	83.1	162.2
08MT-93	96	104.7	51.8	13.3	97.5	79.9	163.4
08MT-95	99	111.5	53.9	12.7	98.2	92.0	162.5
08WA-27	102	117.3	50.2	11.5	97.8	78.7	162.8
08WA-28	94	102.4	51.5	12.5	95.1	83.0	163.7
08WA-30	103	121.9	51.5	12.4	96.0	88.3	164.9
08WA-40	102	118.8	54.2	11.2	96.1	77.3	162.7
08WA-44	91	94.3	51.2	10.7	93.9	71.1	163.7
08WA-57	103	119.2	54.5	12.4	97.9	79.3	162.7
08WA-58	88	87.6	50.8	10.3	94.4	83.0	163.0
09AB-66	100	116.0	52.1	11.8	94.5	82.3	164.0
09AB-82	99	112.2	54.4	12.7	97.4	86.5	162.7
09AB-94	107	128.9	53.8	13.3	96.7	82.0	161.1
09MT-08	91	114.7	49.3	9.4	58.2	83.5	158.8
09MT-78	98	108.2	52.9	10.9	96.2	89.8	161.9
09MT-92	101	116.0	51.8	10.8	94.8	90.2	162.9
09MT-94	88	88.2	52.5	11.4	95.7	82.0	160.3
09N2-02	96	104.0	52.9	13.0	97.5	86.3	158.8
09N2-04	110	136.7	54.7	11.8	96.7	85.1	162.5
09N2-21	92	94.4	50.8	11.1	98.4	79.6	159.2
09N2-55	92	94.4	52.4	11.8	97.9	79.9	160.2
09WA-228.13	104	122.4	53.8	12.8	96.8	83.8	162.6
09WA-55	101	116.9	53.6	11.4	95.5	82.4	163.3

EYT15HunDry

Early Yield Trial - Dryland

SARC - Huntley, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-64	105	126.6	53.7	11.6	94.8	87.2	163.6
10WA-106.18	91	95.9	52.7	10.6	92.0	79.2	162.1
ACMetcalfe	85	79.8	52.1	10.4	97.0	75.8	162.8
Conrad	96	106.6	52.0	12.1	95.5	77.6	164.8
Genie	96	106.8	50.6	12.2	93.1	67.2	163.7
Harrington	93	99.1	53.0	13.0	94.0	88.1	154.8
Haxby	103	120.4	54.5	11.6	96.4	84.6	160.7
Hockett	91	90.8	53.3	10.2	98.8	81.3	162.1
MT090182	107	127.9	53.5	10.9	97.2	91.0	162.1
MT090190	107	128.4	53.0	10.9	96.7	85.8	163.1
MT090193	105	123.8	53.1	10.6	96.4	89.2	162.6
MT100120	106	126.1	53.3	11.3	97.3	91.7	162.6
MT100126	94	98.5	52.8	10.2	96.7	86.5	163.7
MT124093	102	118.0	53.6	12.1	97.3	91.8	154.9
MT124243	108	131.2	52.4	11.1	95.7	90.0	162.9
MT124411	95	103.3	53.7	12.0	96.8	86.8	160.3
MT124582	102	118.6	53.2	12.4	95.8	83.6	160.9
MT124688	109	133.3	54.0	10.9	96.8	88.7	162.7
Odyssey	97	108.3	50.7	12.1	96.9	71.8	164.5
Overture	95	104.9	50.0	12.6	94.8	75.6	163.1
Pilot	88	87.6	51.1	11.6	96.6	71.6	166.3
Pinnacle	99	110.1	53.0	11.1	98.2	83.5	162.1
Vespa	97	107.4	52.5	11.6	96.6	76.7	164.5
GRAND MEAN		110.5	52.6	11.8	95.5	83.3	162.2
CV		7.9	0.9	5.7	1.2	4.4	1.5
LSD		14.2	0.8	1.1	1.9	6.0	4.1
RE-RCBD		123.1	111.5	132.7	100.0	120.2	105.8
No. of Reps		3.0	3.0	3.0	3.0	3.0	3.0

Early Yield Trial - Dryland

CARC - Moccasin, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
05ARS049-2	59	26.9	53.7	10.9	89.0	46.8	179.0
05ARS050-14	60	29.3	52.7	11.6	88.3	44.3	179.3
06MT-26	60	29.7	53.2	11.7	87.5	46.9	177.5
06MT-29	59	26.6	54.8	12.6	91.5	46.2	178.4
06MT-57	58	24.0	54.8	11.5	87.7	45.8	178.5
06WA-25	60	26.6	55.5	12.3	93.0	52.9	175.8
06WA-42	57	25.1	53.7	11.1	83.4	49.3	179.4
06WA-53	62	34.9	53.4	11.3	83.9	54.2	179.5
07AB-66	59	26.7	54.3	11.1	87.9	54.2	177.6
07MT-21	57	27.2	53.7	12.7	82.7	45.4	178.3
07N2-43	59	21.9	52.3	12.6	97.2	48.4	174.6
07WA-38	60	28.2	52.9	11.8	90.9	44.4	178.6
08ARS031-16	58	26.1	52.3	13.4	88.7	50.3	178.1
08ARS035-47	62	32.2	51.4	11.5	91.7	47.4	179.0
08ARS043-28	57	27.6	50.5	10.9	80.5	46.0	178.1
08MT-15	64	34.9	54.2	11.9	95.0	41.2	178.4
08MT-19	58	24.4	53.8	11.2	90.5	41.6	178.4
08MT-63	65	37.6	54.5	10.8	92.8	49.5	178.3
08MT-68	59	26.1	53.4	13.3	91.3	48.5	177.7
08MT-93	60	29.0	52.5	11.8	90.3	47.9	178.0
08MT-95	62	31.1	53.4	10.9	90.4	54.5	178.2
08WA-27	62	30.4	52.7	11.7	93.1	45.5	178.8
08WA-28	58	28.4	52.6	11.0	81.6	46.1	178.4
08WA-30	62	30.4	53.2	11.2	93.6	43.5	179.0
08WA-40	60	28.6	53.0	10.0	87.7	42.2	179.0
08WA-44	62	30.6	52.8	10.8	91.4	42.8	178.0
08WA-57	58	25.2	53.4	10.9	88.4	41.8	179.6
08WA-58	59	25.7	54.9	11.7	91.0	51.3	178.3
09AB-66	59	28.4	52.1	10.4	82.9	48.6	178.2
09AB-82	61	29.1	55.9	11.7	93.2	47.1	178.4
09AB-94	61	28.2	54.4	11.5	92.8	45.3	176.6
09MT-08	54	33.2	52.3	8.8	55.5	49.4	174.3
09MT-78	59	25.8	55.6	11.3	90.4	48.4	178.0
09MT-92	59	26.7	53.5	10.2	88.1	52.9	176.7
09MT-94	61	28.0	55.4	12.3	94.0	49.3	176.0
09N2-02	62	29.0	54.4	11.6	96.1	47.5	176.2
09N2-04	60	30.7	55.0	10.2	83.3	44.2	178.2
09N2-21	61	29.3	52.6	11.3	93.9	48.0	176.0
09N2-55	57	21.0	52.3	11.4	92.0	40.7	178.2
09WA-228.13	63	36.3	54.5	11.2	88.0	42.8	179.1
09WA-55	60	27.7	53.4	11.5	89.9	41.5	178.5

EYT15MocDry

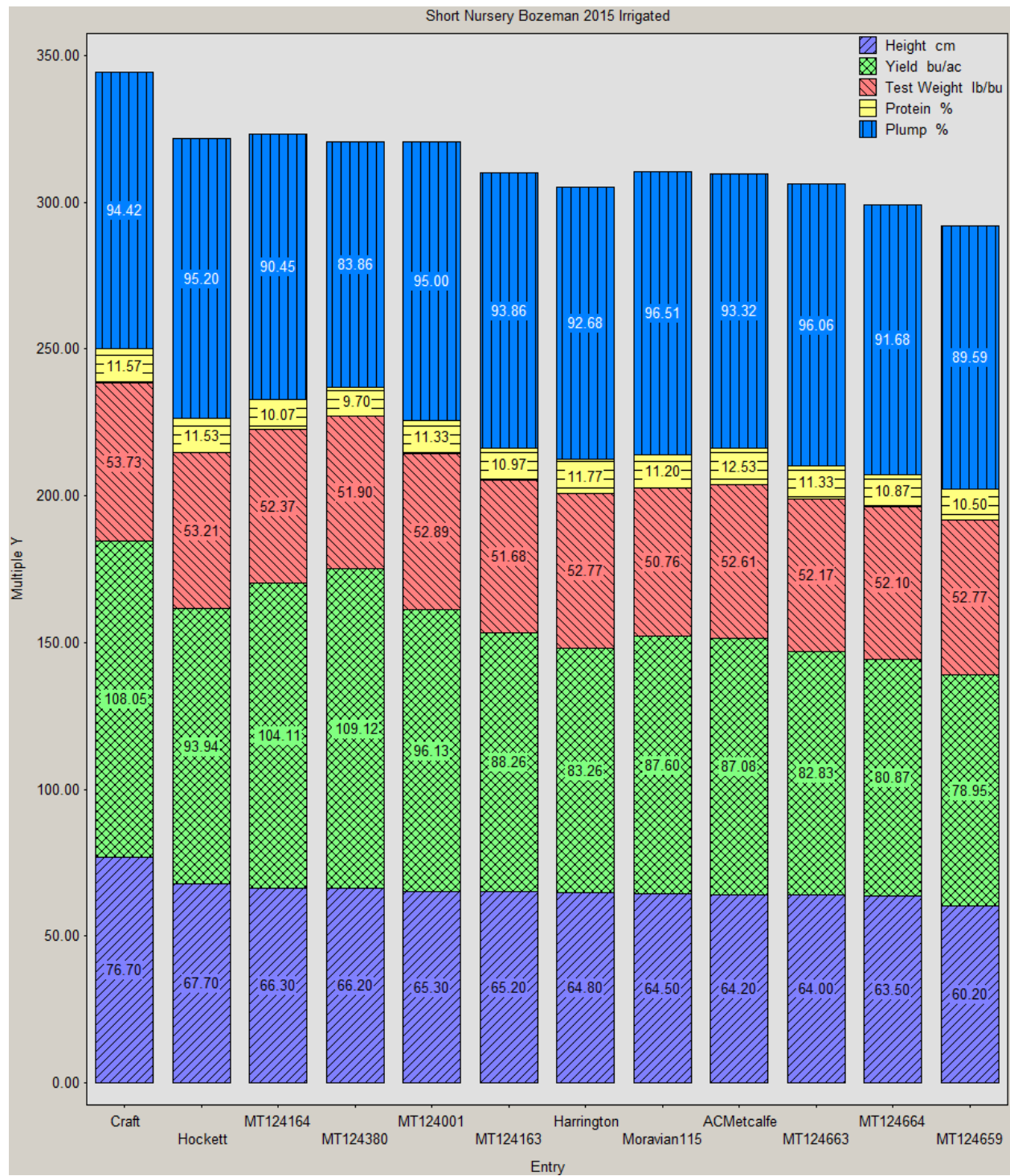
Early Yield Trial - Dryland

CARC - Moccasin, MT 2015

Name	Index Rating	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
09WA-64	60	28.0	53.5	10.0	88.7	43.5	178.9
10WA-106.18	63	35.2	55.3	11.5	88.7	47.7	177.5
ACMetcalfe	59	27.4	53.0	11.9	89.2	49.7	178.3
Conrad	62	33.5	54.1	12.3	88.9	49.6	178.8
Genie	60	28.6	53.8	11.3	90.2	42.6	180.3
Harrington	58	23.9	52.8	12.0	89.0	47.2	178.4
Haxby	57	24.6	53.4	10.8	84.5	48.9	176.2
Hockett	64	33.9	54.5	11.7	94.4	54.3	177.9
MT090182	62	30.5	55.6	10.2	91.1	49.4	179.0
MT090190	62	32.3	55.5	10.3	90.5	51.3	178.2
MT090193	60	28.2	53.9	9.9	87.4	48.3	179.0
MT100120	63	32.1	55.6	10.2	93.9	49.4	179.1
MT100126	61	29.0	55.9	11.3	91.4	50.1	179.9
MT124093	62	29.8	54.0	10.1	92.3	55.6	176.4
MT124243	60	27.3	55.0	10.3	89.8	47.9	178.3
MT124411	59	25.3	53.8	12.3	92.0	52.2	176.4
MT124582	59	25.8	54.4	10.8	91.0	48.1	176.2
MT124688	60	27.9	54.7	10.0	89.0	49.7	177.1
Odyssey	63	35.4	54.6	10.3	86.9	49.4	179.1
Overture	63	34.4	53.5	11.0	92.3	46.7	178.8
Pilot	62	28.8	53.3	11.9	95.6	45.4	179.6
Pinnacle	60	25.3	56.0	10.6	92.4	48.8	177.1
Vespa	63	33.8	53.2	10.3	92.1	43.4	177.7
GRAND MEAN		28.9	53.8	11.2	89.4	47.5	178.0
CV		12.5	2.5	7.6	6.1	9.6	0.5
LSD		5.8	3.2	0.0	0.0	7.4	1.4
RE-RCBD		157.8	100.0	0.0	0.0	105.6	107.5
No. of Reps		3.0	2.0	1.0	1.0	3.0	3.0

Section Four: Short Barley Nursery

Irrigated



Short Spring Barley - Irrigated**Post Farm - Bozeman, MT 2015**

Name	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Heading Date julian
MT124001	96.1	52.8	11.3	95.0	65.3	185.3
MT124163	88.2	51.6	10.9	93.8	65.2	182.0
MT124164	104.1	52.3	10.0	90.4	66.3	181.3
MT124380	109.1	51.9	9.7	83.8	66.2	181.0
MT124659	78.9	52.7	10.5	89.5	60.2	185.0
MT124663	82.8	52.1	11.3	96.0	64.0	185.7
MT124664	80.8	52.1	10.8	91.6	63.5	181.7
Craft	108.0	53.7	11.5	94.4	76.7	186.3
Harrington	83.2	52.7	11.7	92.6	64.8	185.7
Hockett	93.9	53.2	11.5	95.2	67.7	180.0
ACMetcalfe	87.0	52.6	12.5	93.3	64.2	185.0
Moravian115	87.6	50.7	11.2	96.5	64.5	182.7
GRAND MEAN	91.6	52.4	11.1	92.7	65.7	183.4
CV	10.7	1.1	8.7	3.3	11.8	1.4
LSD	16.7	0.9	1.6	5.1	13.1	4.3
No. of Reps	3.0	3.0	3.0	3.0	3.0	3.0

Randomized complete block design

Yield based on 48lb bushels & corrected to 13% moisture

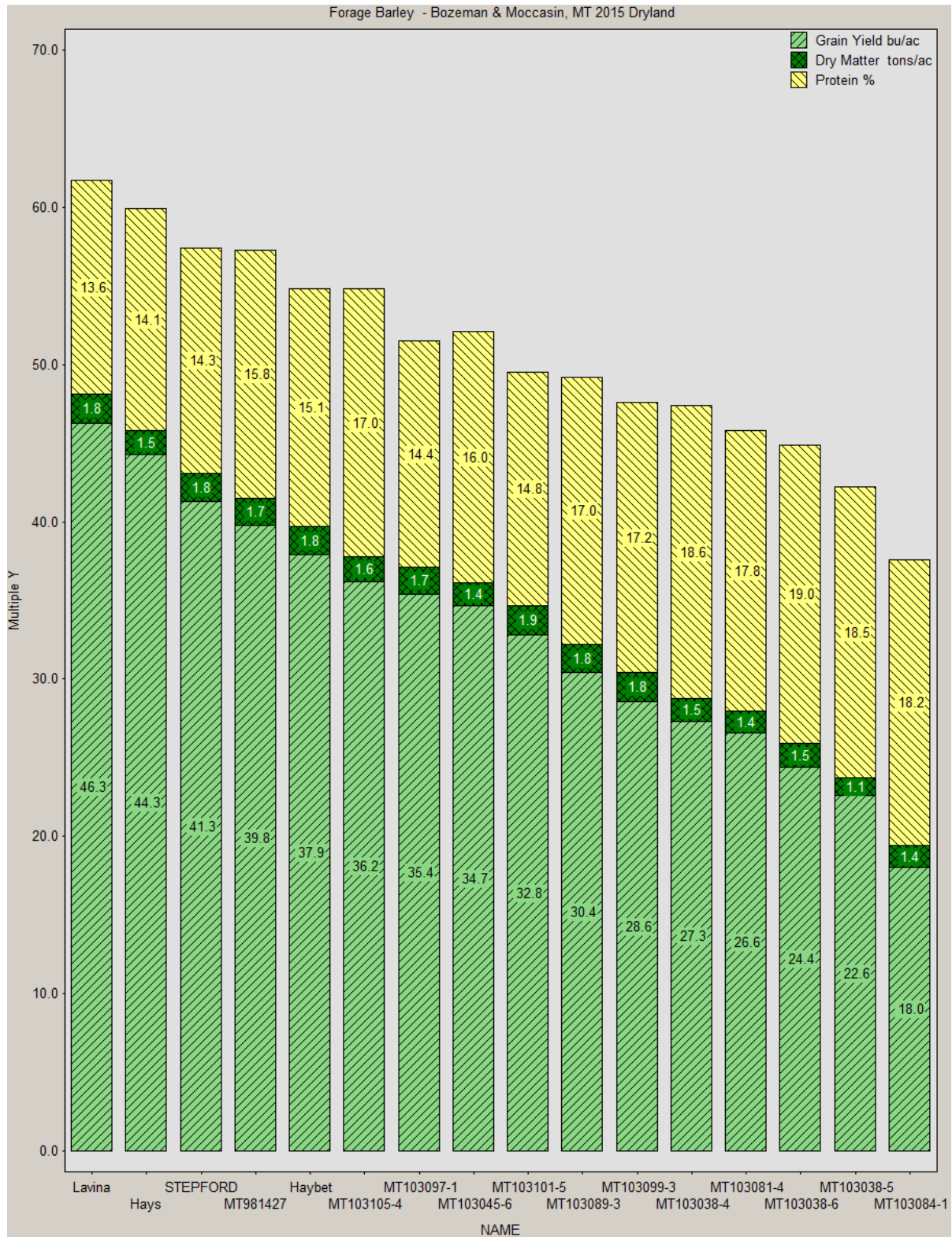
Randomized complete block design

Yield based on 48lb bushels & corrected to 13% moisture

Short15Boz

Section Five: Forage Barley

Dryland



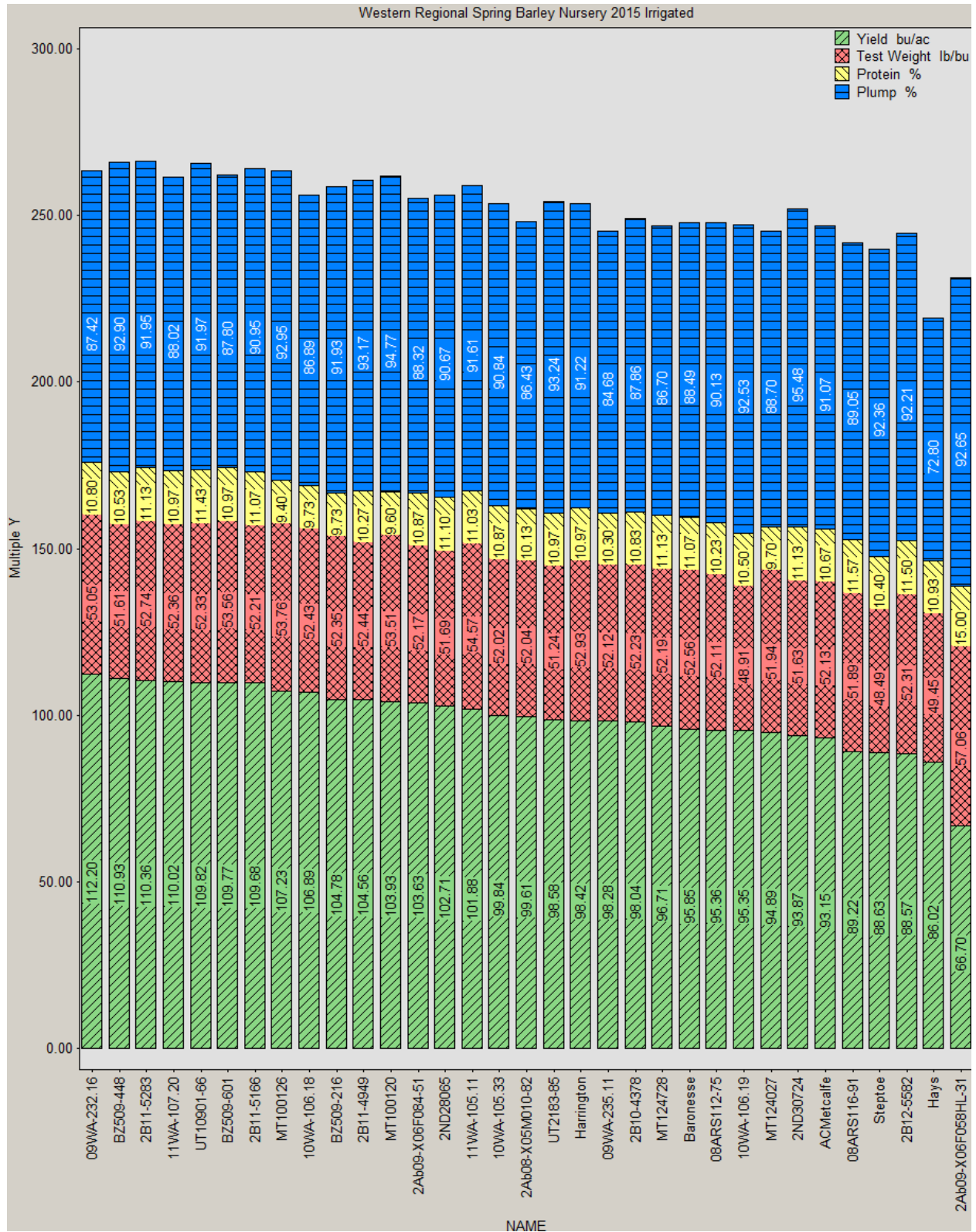
Forage Barley - Dryland

Bozeman and Moccasin, MT Summary 2015

Name	Grain Yield bu/ac	Dry Matter tons/ac	Test Weight lb/bu	Grain Protein %	Dry Matter %	Plant Height cm	Maturity Date julian
Haybet	37.9	1.8	46.0	15.10	38.7	61.7	192.0
Hays	44.3	1.5	48.5	14.10	37.7	54.2	199.0
Lavina	46.3	1.8	46.5	13.60	39.2	58.5	195.5
MT103038-4	27.3	1.5	46.2	18.60	38.8	50.4	198.5
MT103038-5	22.6	1.1	45.6	18.50	37.1	50.3	196.5
MT103038-6	24.4	1.5	46.4	19.00	37.1	50.4	199.0
MT103045-6	34.7	1.4	47.1	16.00	37.9	53.9	200.0
MT103081-4	26.6	1.4	53.0	17.80	34.8	65.5	202.0
MT103084-1	18.0	1.4	46.9	18.20	33.1	71.3	201.0
MT103089-3	30.4	1.8	42.4	17.00	37.4	57.3	197.5
MT103097-1	35.4	1.7	46.6	14.40	39.6	64.4	194.0
MT103099-3	28.6	1.8	47.3	17.20	39.9	61.2	201.0
MT103101-5	32.8	1.9	45.9	14.80	39.2	63.7	192.0
MT103105-4	36.2	1.6	45.1	17.00	38.4	57.8	200.0
MT981427	39.8	1.7	48.5	15.80	37.5	61.6	194.0
STEPFORD	41.3	1.8	43.8	14.30	39.1	62.9	194.0
GRAND MEAN	32.9	1.6	46.7	16.31	37.8	59.1	197.2
CV	16.6	16.0	2.0	3.81	3.2	5.4	1.2
LSD	7.1	0.4	1.2	1.32	2.0	4.1	5.1

Section Six: Western Regional Spring Barley Nursery

Irrigated



Western Regional Spring Barley Nursery - Irrigated

Post Farm - Bozeman, MT 2015

Name	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm	Maturity Date julian
08ARS112-75	95.3	52.1	10.2	90.1	64.7	212.0
08ARS116-91	89.2	51.8	11.5	89.0	63.3	212.3
09WA-232.16	112.2	53.0	10.8	87.4	65.7	212.0
09WA-235.11	98.2	52.1	10.3	84.6	69.0	211.3
10WA-105.33	99.8	52.0	10.8	90.8	59.7	207.7
10WA-106.18	106.8	52.4	9.7	86.8	68.0	210.3
10WA-106.19	95.3	48.9	10.5	92.5	66.7	206.7
11WA-105.11	101.8	54.5	11.0	91.6	62.7	212.7
11WA-107.20	110.0	52.3	10.9	88.0	67.7	212.0
2Ab08-X05M010...	99.6	52.0	10.1	86.4	67.0	212.0
2Ab09-...	66.7	57.0	15.0	92.6	66.7	214.0
2Ab09-X06F084-...	103.6	52.1	10.8	88.3	69.7	213.7
2B10-4378	98.0	52.2	10.8	87.8	65.0	212.3
2B11-4949	104.5	52.4	10.2	93.1	65.3	211.3
2B11-5166	109.6	52.2	11.0	90.9	65.7	211.3
2B11-5283	110.3	52.7	11.1	91.9	70.0	211.0
2B12-5582	88.5	52.3	11.5	92.2	66.7	210.7
2ND28065	102.7	51.6	11.1	90.6	73.0	211.0
2ND30724	93.8	51.6	11.1	95.4	62.7	211.7
ACMetcalfe	93.1	52.1	10.6	91.0	74.7	210.3
Baronesse	95.8	52.5	11.0	88.4	64.7	210.3
BZ509-216	104.7	52.3	9.7	91.9	72.0	212.0
BZ509-448	110.9	51.6	10.5	92.9	62.7	214.0
BZ509-601	109.7	53.5	10.9	87.8	71.3	212.7
Harrington	98.4	52.9	10.9	91.2	67.0	210.7
Hays	86.0	49.4	10.9	72.8	71.0	211.3
MT100120	103.9	53.5	9.6	94.7	73.7	213.0
MT100126	107.2	53.7	9.4	92.9	79.7	213.3
MT124027	94.8	51.9	9.7	88.7	69.7	210.3
MT124728	96.7	52.1	11.1	86.7	66.7	209.0
Step toe	88.6	48.4	10.4	92.3	63.7	209.0
UT10901-66	109.8	52.3	11.4	91.9	70.3	212.7
UT2183-85	98.5	51.2	10.9	93.2	66.3	211.3
GRAND MEAN	99.5	52.2	10.8	89.9	67.6	211.3
CV	9.0	2.1	5.4	2.7	4.4	0.6
LSD	17.6	2.1	1.1	4.7	5.8	2.4

Randomized complete block design

Yield based on 48lb bushels & corrected to 13% moisture

WRSBN

Section Seven: Off-Station Barley Variety Trial

Irrigated

Offstation Performance Trials - Irrigated/High Rainfall

Statewide Summary 2015

Name	Grain Yield bu/ac	Plant Height cm	Plump Kernels %	Grain Protein %	Test Weight (lb/bu)
ACMetcalfe	73.84	72.79	83.28	11.45	50.09
Champion	86.44	72.12	81.70	10.58	51.64
Conrad	76.03	69.19	84.91	11.87	50.68
Craft	74.28	76.33	87.88	11.21	52.05
Harrington	75.77	69.28	78.63	11.30	49.55
Haxby	78.40	71.00	81.02	10.68	52.09
Haybet	56.90	72.75	44.19	12.33	46.03
Hockett	75.01	71.11	89.24	11.13	51.78
Lavina	69.79	68.81	55.90	11.46	46.06
Merit	78.69	69.75	78.23	11.87	48.90
Moravian115	72.71	57.83	79.59	11.43	48.27
Moravian150	102.83	70.41	80.53	11.03	47.83
Moravian153	107.13	83.05	75.77	10.47	47.87
Moravian165	93.33	97.72	83.47	11.77	49.63
Moravian69	101.47	72.66	74.00	10.83	47.80
MT100120	78.42	74.27	84.06	9.99	51.49
MT100126	76.84	74.64	86.09	10.16	51.58
MT124027	78.09	71.24	85.02	10.55	50.16
MT124728	77.90	68.29	84.64	11.32	50.72
Stockford	65.40	71.65	87.04	10.81	47.72
GRAND MEAN	75.98	61.86	79.73	11.07	49.89

**2015 Off-station Spring Barley Trial - Irrigated
Conrad, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	124.2	50.7	12.1	93.5	90.6
Champion	157.3	51.6	11.6	91.9	90.6
Conrad	128.1	50.6	12.3	92.7	83.8
Craft	126.2	52.6	13.1	96.6	89.7
Harrington	119.8	48.4	11.8	87.0	88.0
Haxby	143.6	52.8	11.8	92.4	80.4
Haybet	92.8	45.5	13.8	58.6	94.0
Hockett	113.3	51.5	12.3	93.0	83.0
Lavina	111.7	46.0	13.1	70.7	84.7
Merit	129.2	49.8	12.1	92.1	83.0
Moravian115	125.5	48.6	11.2	94.4	72.8
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Stockford	121.0	47.0	11.7	88.6	90.6
Experimental					
MT100120	143.0	52.8	10.8	96.5	92.3
MT100126	121.2	54.1	10.3	95.2	93.1
MT124027	134.3	51.3	10.7	94.6	82.1
MT124728	124.8	51.0	12.6	95.1	76.2
Grand Mean	125.99	50.26	11.94	89.56	85.94
CV	12.29	2.89	7.64	3.31	7.41
p-Value	0.010	0.000	0.000	0.000	0.007
Smallest Plot in Experiment	76.5	44.4	10.3	54.4	66.0
Largest Plot in Experiment	170.3	59.0	13.8	98.3	101.6

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Irrigated
Fomberg, MT**

	Grain Yield bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	126.7	50.5	10.8	92.2	108.7
Champion	129.1	50.8	11.7	90.9	103.9
Conrad	131.9	49.8	11.5	89.5	105.7
Craft	124.6	50.0	12.2	88.5	112.0
Harrington	136.2	49.3	10.6	92.5	95.8
Haxby	112.5	51.5	11.9	91.6	107.4
Haybet	74.7	43.6	15.0	56.3	110.0
Hockett	127.0	49.7	11.2	86.9	103.6
Lavina	107.7	45.0	11.8	73.8	108.0
Merit	141.1	46.2	11.2	92.3	103.6
Moravian115	115.7	45.4	11.6	86.4	80.0
Moravian150	136.4	44.0	11.0	88.6	85.3
Moravian153	133.5	43.9	10.2	78.0	86.1
Moravian165	125.2	47.1	11.7	88.9	115.1
Moravian69	134.9	45.0	10.4	75.2	88.4
Stockford	98.4	47.4	11.7	88.9	112.8
Experimental					
MT100120	141.9	49.9	9.7	93.9	112.3
MT100126	133.5	51.9	10.2	96.1	111.0
MT124027	130.7	49.8	10.2	92.0	106.7
MT124728	141.4	50.9	11.1	95.5	101.4
Grand Mean	125.16	48.09	11.29	86.90	102.89
CV	12.88	5.69	9.63	10.62	9.76
p-Value	0.000	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	74.7	43.6	9.7	56.3	80.0
Largest Plot in Experiment	141.9	51.9	15.0	96.1	115.1

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Irrigated
Hysham, MT**

	Grain Yield	Test Weight	Grain Protein	Plump Kernels	Plant Height
	bu/ac	lb/bu	%	%	cm
Varieties					
ACMetcalfe	108.8	53.7	9.5	95.4	98.6
Champion	127.1	53.0	9.9	95.3	98.6
Conrad	125.5	52.8	10.5	96.8	91.4
Craft	91.3	53.0	10.0	93.9	104.7
Harrington	122.9	52.6	9.9	94.6	93.2
Haxby	98.7	53.7	9.3	95.8	101.6
Haybet	n/a	n/a	n/a	n/a	n/a
Hockett	114.8	54.4	9.5	98.0	95.0
Lavina	n/a	n/a	n/a	n/a	n/a
Merit	115.7	52.3	10.4	96.5	97.8
Moravian115	123.4	50.1	9.2	94.4	70.4
Moravian150	129.8	51.6	9.4	92.6	72.6
Moravian153	141.2	51.0	9.1	87.4	80.0
Moravian165	109.4	52.7	9.8	94.0	104.4
Moravian69	124.1	51.9	9.1	91.0	73.7
Stockford	n/a	n/a	n/a	n/a	n/a
Experimental					
MT100120	100.3	52.9	9.2	95.5	103.6
MT100126	100.4	52.7	8.9	95.6	102.4
MT124027	120.1	53.2	8.7	96.5	97.8
MT124728	115.5	53.6	10.1	95.6	93.7
Grand Mean	115.82	52.66	9.56	94.64	92.91
CV	10.92	1.94	5.27	2.55	12.04
p-Value	0.000	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	91.3	50.1	8.7	87.4	70.4
Largest Plot in Experiment	141.2	54.4	10.5	98.0	104.7

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial – Dryland High Rainfall
Kalispell, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	119.9	48.7	13.8	91.4	85.6
Champion	151.1	51.8	13.4	97.2	83.8
Conrad	127.0	50.7	13.9	96.0	79.5
Craft	143.2	51.8	13.5	96.5	88.1
Harrington	122.3	48.4	13.8	91.7	85.6
Haxby	127.9	51.8	13.1	93.4	81.3
Haybet	87.2	45.3	15.3	70.6	88.1
Hockett	126.8	50.3	13.3	95.4	81.3
Lavina	112.3	45.5	14.1	82.3	81.3
Merit	131.7	50.9	13.6	98.2	85.6
Moravian115	112.6	47.0	12.8	95.4	73.7
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	n/a	n/a	n/a	n/a	n/a
Stockford	112.7	48.4	13.8	97.4	83.8
Experimental					
MT010158	n/a	n/a	n/a	n/a	n/a
MT100120	150.9	53.7	11.8	97.9	89.7
MT100126	141.8	53.0	11.9	97.2	87.1
MT124027	134.7	50.0	12.4	94.9	86.4
MT124728	131.2	50.8	13.4	96.3	83.8
Grand Mean	127.08	49.88	13.37	93.24	84.04
CV	12.47	4.82	6.24	7.45	4.58
p-Value	0.000	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	87.2	45.3	11.8	70.6	73.7
Largest Plot in Experiment	151.1	53.7	15.3	98.2	89.7

¹Grain yield in 48lb bushels, corrected to 13% moisture

Off-Station Barley Variety Trial

Dryland

Offstation Performance Trials - Dryland

Statewide Summary 2015

Name	Grain Yield bu/ac	Plant Height cm	Plump Kernels %	Grain Protein %	Test Weight (lb/bu)
ACMetcalfe	50.81	61.25	78.36	12.41	49.68
Champion	59.08	61.06	75.63	11.00	51.56
Conrad	49.99	58.74	80.49	12.80	50.53
Craft	50.76	65.19	84.88	11.80	52.15
Harrington	51.01	58.60	72.22	12.18	49.49
Haxby	57.26	60.16	74.88	11.24	51.92
Haybet	46.40	63.53	37.57	12.59	46.49
Hockett	52.27	61.30	87.19	11.93	51.94
Lavina	54.50	60.38	48.51	11.98	46.28
Merit	53.32	58.38	69.96	12.90	48.45
Moravian115	49.41	49.64	73.06	12.48	48.52
Moravian150	42.30	53.30	60.40	12.70	47.90
Moravian153	46.70	56.40	61.90	12.10	48.70
Moravian165	45.40	73.70	67.50	13.80	49.10
Moravian69	45.40	55.90	55.80	13.00	46.50
MT010158	51.48	67.77	69.43	14.03	51.28
MT100120	50.62	61.68	78.11	10.70	51.07
MT100126	53.15	62.76	81.13	10.94	50.91
MT124027	52.17	60.24	80.28	11.46	49.71
MT124728	52.73	58.05	79.15	12.13	50.30
Muskwa	50.93	66.00	50.70	12.70	50.38
Stockford	48.40	62.63	85.32	11.19	47.76
GRAND MEAN	52.21	60.16	74.05	11.83	49.73

**2015 Off-station Spring Barley Trial - Dryland
Broadview, MT**

	Grain Yield ¹¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	45.0	46.9	12.7	60.8	64.8
Champion	54.4	52.6	12.2	65.2	63.3
Conrad	42.1	49.6	13.9	71.5	64.3
Craft	49.6	52.4	11.9	76.4	69.6
Harrington	45.6	50.3	11.6	62.1	63.8
Haxby	48.3	52.3	11.8	61.0	63.8
Haybet	35.0	46.7	12.7	32.1	78.2
Hockett	48.0	51.1	11.7	75.0	64.0
Lavina	45.9	46.7	12.8	37.4	63.3
Merit	45.7	48.5	15.0	58.3	65.3
Moravian115	44.0	44.8	14.7	59.9	55.9
Moravian150	42.3	47.9	12.7	60.4	53.3
Moravian153	46.7	48.7	12.1	61.9	56.4
Moravian165	45.4	49.1	13.8	67.5	73.7
Moravian69	45.4	46.5	13.0	55.8	55.9
Muskwa	n/a	n/a	n/a	n/a	n/a
Stockford	39.0	48.9	11.8	71.9	69.6
Experimental					
MT010158	n/a	n/a	n/a	n/a	n/a
MT100120	40.6	51.2	11.2	64.0	65.8
MT100126	43.5	51.3	12.4	61.8	66.3
MT124027	42.9	49.1	12.4	64.6	68.3
MT124728	41.8	50.5	11.8	60.3	46.2
Grand Mean	44.56	49.26	12.61	61.40	63.59
CV	8.97	4.39	7.97	16.97	11.15
p-Value	0.000	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	35.0	44.8	11.2	32.1	46.2
Largest Plot in Experiment	54.4	52.6	15.0	76.4	78.2

¹¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Choteau, MT**

	Grain Yield ¹¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	78.7	50.9	15.5	92.7	63.5
Champion	89.8	52.8	14.3	93.6	68.6
Conrad	76.2	50.9	16.6	91.6	64.3
Craft	78.0	53.3	15.3	96.5	74.5
Harrington	76.9	49.4	15.9	86.3	61.0
Haxby	93.4	53.0	14.3	84.6	65.2
Haybet	83.3	47.6	15.8	62.6	61.8
Hockett	80.7	51.7	15.4	93.2	66.9
Lavina	96.7	47.5	15.5	68.0	65.2
Merit	78.2	49.0	15.9	83.0	61.8
Moravian115	82.8	49.9	14.3	91.4	51.6
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	n/a	n/a	n/a	n/a	n/a
Stockford	84.5	49.5	14.0	95.5	66.9
Experimental					
MT010158	n/a	n/a	n/a	n/a	n/a
MT100120	81.1	52.7	13.5	91.2	70.3
MT100126	91.7	52.9	13.5	90.9	67.7
MT124027	79.6	50.9	15.0	90.1	64.3
MT124728	83.7	50.1	15.6	81.7	65.2
Grand Mean	83.45	50.75	15.03	87.06	64.93
CV	9.80	0.90	2.87	4.33	4.54
p-Value	0.092	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	61.3	47.1	12.9	52.8	50.8
Largest Plot in Experiment	104.9	53.5	17.0	97.6	76.2

¹¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Cutbank, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	60.7	49.8	11.5	94.7	53.4
Champion	68.9	51.4	0.7	94.9	54.2
Conrad	61.6	53.8	11.5	96.5	49.9
Craft	52.9	50.6	11.2	95.4	60.9
Harrington	60.6	49.1	11.1	94.6	49.1
Haxby	68.5	52.3	10.5	96.1	54.2
Haybet	49.7	47.2	12.3	77.4	58.4
Hockett	70.9	51.3	10.5	96.8	55.9
Lavina	64.1	47.4	10.9	87.0	55.0
Merit	56.3	46.9	11.8	92.2	49.1
Moravian115	63.0	47.3	11.3	95.8	42.3
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	n/a	n/a	n/a	n/a	n/a
Stockford	62.4	47.9	11.2	96.2	53.3
Experimental					
MT010158	n/a	n/a	n/a	n/a	n/a
MT100120	60.5	50.2	10.2	95.0	55.9
MT100126	61.7	51.1	10.4	96.9	56.7
MT124027	60.4	49.1	10.6	95.0	51.7
MT124728	58.1	48.2	11.7	92.3	49.1
Grand Mean	61.27	49.59	10.46	93.55	53.08
CV	8.89	4.24	24.68	1.92	7.17
p-Value	0.004	0.007	0.000	0.000	0.000
Smallest Plot in Experiment	46.3	46.0	0.7	73.5	40.6
Largest Plot in Experiment	85.2	63.0	12.3	97.9	66.0

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Denton, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	37.7	52.2	17.4	73.4	66.7
Champion	42.0	53.2	15.5	67.5	64.7
Conrad	35.3	52.7	17.1	76.0	67.0
Craft	39.4	54.6	15.2	73.0	67.3
Harrington	42.5	51.0	14.6	69.7	67.3
Haxby	44.0	53.9	15.2	69.0	64.0
Haybet	38.1	47.4	16.5	14.6	67.3
Hockett	41.5	54.9	16.0	90.9	63.7
Lavina	38.4	46.7	15.8	23.4	65.7
Merit	38.5	49.9	17.9	53.6	60.3
Moravian115	35.5	51.0	16.4	55.1	57.0
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	40.2	50.7	14.0	67.2	64.3
Stockford	36.0	49.2	14.2	89.9	61.7
Experimental					
MT010158	44.1	50.4	15.3	84.2	65.0
MT100120	42.5	53.1	13.4	75.9	68.0
MT100126	40.4	53.1	13.7	88.6	67.0
MT124027	40.1	52.1	14.9	80.5	67.0
MT124728	37.7	52.3	16.7	66.7	66.0
Grand Mean	39.66	51.56	15.54	67.73	65.00
CV	6.74	4.29	8.09	29.62	4.31
p-Value	0.000	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	35.3	46.7	13.4	14.6	57.0
Largest Plot in Experiment	44.1	54.9	17.9	90.9	68.0

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Devon, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	30.7	49.8	16.7	92.1	51.6
Champion	48.1	50.5	15.2	77.6	45.7
Conrad	39.3	49.6	16.7	88.9	46.6
Craft	33.3	51.7	16.5	91.3	50.0
Harrington	26.3	48.9	18.2	74.9	45.7
Haxby	38.8	50.1	15.7	74.7	49.1
Haybet	33.7	45.9	17.8	27.8	45.7
Hockett	27.2	51.0	17.6	89.2	48.3
Lavina	46.9	47.2	16.1	59.9	51.6
Merit	44.3	48.8	16.4	76.1	50.0
Moravian115	30.9	49.6	16.9	90.2	49.1
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	n/a	n/a	n/a	n/a	n/a
Stockford	36.8	47.8	15.2	91.6	50.8
Experimental					
MT010158	n/a	n/a	n/a	n/a	n/a
MT100120	40.0	51.3	13.9	88.7	45.7
MT100126	39.0	50.2	14.8	87.2	47.4
MT124027	36.6	49.1	16.0	81.2	45.7
MT124728	42.5	49.4	16.0	78.2	51.6
Grand Mean	37.14	49.43	16.23	79.36	48.43
CV	17.22	1.38	5.20	12.09	7.17
p-Value	0.004	0.000	0.000	0.000	0.219
Smallest Plot in Experiment	12.8	44.8	13.3	22.7	35.6
Largest Plot in Experiment	54.9	52.1	20.4	96.7	53.3

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Geraldine, MT**

	Test Weight	Grain Protein	Plump Kernels	Plant Height
	lb/bu	%	%	cm
Varieties				
ACMetcalfe	51.5	13.9	69.3	65.7
Champion	54.5	12.3	81.4	62.3
Conrad	52.7	14.6	79.9	61.3
Craft	54.6	13.1	89.7	65.3
Harrington	52.7	13.9	62.0	63.3
Haxby	53.8	12.3	83.2	62.7
Haybet	50.6	14.9	16.5	67.3
Hockett	55.2	12.7	84.7	61.7
Lavina	47.7	14.3	35.0	60.0
Merit	50.8	14.6	63.5	61.7
Moravian115	51.5	14.1	60.6	52.0
Moravian150	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a
Muskwa	51.4	11.6	61.6	67.0
Stockford	51.4	13.3	81.9	72.7
Experimental				
MT010158	54.1	12.7	85.5	69.0
MT100120	54.1	12.8	75.0	65.7
MT100126	53.2	12.1	84.0	69.7
MT124027	52.1	12.1	82.7	61.0
MT124728	53.6	14.2	78.2	62.7
Grand Mean	52.50	13.31	70.82	63.95
CV	3.45	7.49	26.16	6.94
p-Value	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	47.7	11.6	16.5	52.0
Largest Plot in Experiment	55.2	14.9	89.7	72.7

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Knees, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	57.3	45.4	13.8	89.1	55.0
Champion	58.9	44.9	14.1	81.0	58.4
Conrad	43.7	44.0	15.0	85.8	52.5
Craft	52.8	46.9	14.6	88.8	57.6
Harrington	58.3	44.4	15.1	85.1	53.3
Haxby	52.9	47.9	13.5	88.9	53.3
Haybet	41.7	41.6	15.2	60.9	59.2
Hockett	52.9	47.8	14.0	91.7	57.6
Lavina	44.4	39.5	14.5	62.9	52.5
Merit	56.7	44.2	15.0	87.4	49.1
Moravian115	56.4	43.7	14.2	91.2	33.9
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	n/a	n/a	n/a	n/a	n/a
Stockford	36.5	39.4	13.7	81.3	56.7
Experimental					
MT010158	n/a	n/a	n/a	n/a	n/a
MT100120	41.3	42.9	13.0	81.6	55.0
MT100126	41.4	43.1	12.3	79.0	57.6
MT124027	56.6	45.1	13.7	87.4	54.2
MT124728	56.8	46.9	14.5	89.5	51.6
Grand Mean	50.53	44.22	14.14	83.21	53.60
CV	14.02	2.38	5.48	3.85	9.61
p-Value	0.002	0.000	0.000	0.000	0.001
Smallest Plot in Experiment	28.4	36.2	12.3	55.1	15.2
Largest Plot in Experiment	71.6	49.1	15.2	94.3	66.0

¹Grain yield in 48lb bushels, corrected to 13% moisture

**2015 Off-station Spring Barley Trial - Dryland
Moccasin, MT**

	Grain Yield ¹ bu/ac	Test Weight lb/bu	Grain Protein %	Plump Kernels %	Plant Height cm
Varieties					
ACMetcalfe	41.5	51.0	14.7	54.8	69.3
Champion	51.1	52.6	13.6	43.8	71.3
Conrad	46.8	51.1	14.7	53.8	64.0
Craft	47.0	53.1	13.8	68.0	76.3
Harrington	42.8	50.2	14.5	43.0	65.3
Haxby	50.5	52.1	12.6	41.6	69.0
Haybet	42.7	45.1	13.8	8.6	70.3
Hockett	45.6	52.6	13.8	76.0	72.3
Lavina	49.2	47.6	12.9	14.6	69.7
Merit	43.1	49.7	14.5	45.6	69.7
Moravian115	38.6	50.4	14.9	40.2	55.3
Moravian150	n/a	n/a	n/a	n/a	n/a
Moravian153	n/a	n/a	n/a	n/a	n/a
Moravian165	n/a	n/a	n/a	n/a	n/a
Moravian69	n/a	n/a	n/a	n/a	n/a
Muskwa	59.6	49.1	12.5	23.3	66.7
Stockford	44.7	48.1	12.7	74.2	69.3
Experimental					
MT010158	54.0	49.4	14.1	38.6	69.3
MT100120	47.7	53.2	13.1	53.5	67.0
MT100126	49.3	52.5	13.4	60.6	69.7
MT124027	43.9	50.3	13.2	60.8	69.7
MT124728	47.1	51.5	14.0	86.2	72.0
Grand Mean	46.95	50.51	13.71	49.29	68.68
CV	10.26	4.12	5.44	40.72	6.10
p-Value	0.000	0.000	0.000	0.000	0.000
Smallest Plot in Experiment	38.6	45.1	12.5	8.6	55.3
Largest Plot in Experiment	59.6	53.2	14.9	86.2	76.3

¹Grain yield in 48lb bushels, corrected to 13% moisture