



2024 Spring Barley Report

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

2024 Spring Barley Report

A collaborative effort of MSU Barley Breeding and the [Montana Agricultural Experiment Station](#):

Central Ag Research Center

Dr. Patrick Carr
Dr. Jed Eberly
52583 US Highway 87
Moccasin, MT 59462-9512
406-423-5421

Northwestern Ag Research Center

Dr. Jessica Torrion
4570 Montana 35
Kalispell, MT 59901
406-755-4303

Eastern Ag Research Center

Dr. Chengci Chen
1501 North Central Avenue
Sidney, MT 59270
406-433-2208

Northern Ag Research Center

Dr. Darrin Boss
Ms. Peggy Lamb
3710 Assiniboine Road
Havre, MT 59501-8412
406-265-6115

Southern Ag Research Center

Dr. Kent McVay
748 Railroad Highway
Huntley, MT 59037
406-348-3400

Western Triangle Ag Research Center

Ms. Peggy Lamb
9546 Old Shelby Rd
Conrad, MT 59425
278-7707

Post Agronomy Farm

Mr. Dave Gettel
321 Schaff Way
Bozeman, MT 59718
(406) 586-6819

MSU Barley Breeding Program

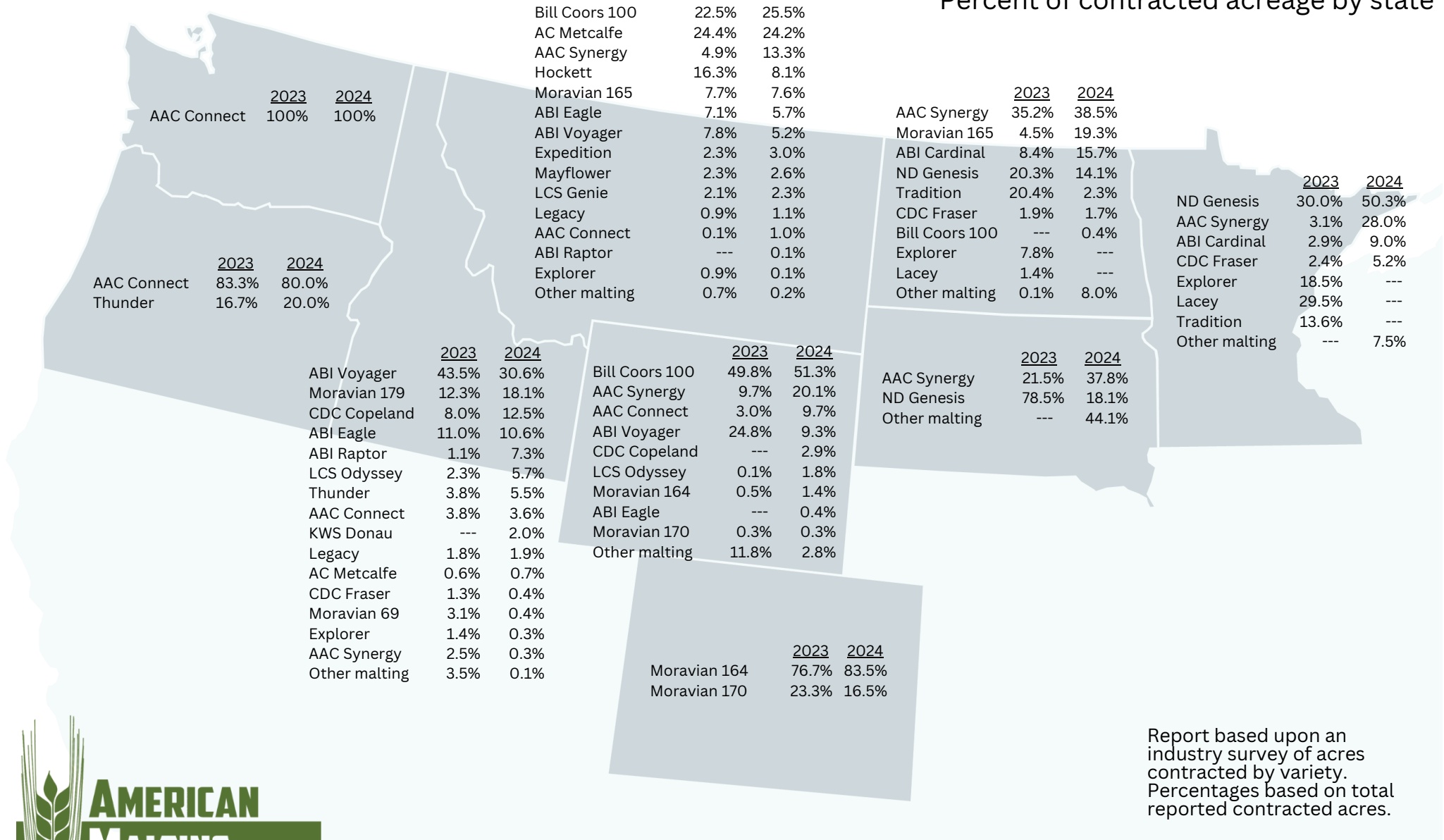
Dr. Jamie Sherman
Barley Breeder & Program Director
(406) 994-5055
jsherman@montana.edu

Greg Lutgen
Seed Lab/ Field Manager
gregory.lutgen@montana.edu

Hannah Turner
Barley Malt and Brewing Quality Lab Director
hannah.uhlmann@montana.edu

Barley Variety Survey 2024

Percent of contracted acreage by state



Report based upon an industry survey of acres contracted by variety. Percentages based on total reported contracted acres.



Map prepared and distributed by:
 American Malting Barley Association
 375 Bishops Way, Suite 224
 Brookfield, WI 53005 | (414) 272-4640
www.ambainc.org

August, 2024

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Malt Barley Offstation:

25 malt lines were grown in a Lattice Square Design at 7 locations around the state, 3 locations were successful. Plots were seeded with a target of 14 plants / sq ft in dryland sites, and 18 plants / sq ft in irrigated sites

Feed/Forage Barley Offstation:

25 feed and awnless lines were grown in a Lattice Square Design at 7 locations around the state, 6 locations were successful. Plots were seeded with a target of 18 plants / sq ft

Second Nature Advanced Malt Trial:

36 advanced malt lines were grown in a Partially Balanced Square Lattice Design in Power, MT. Plots were seeded with a target of 18 plants / sq ft

Spring Barley Intrastate:

64 malt and feed lines were grown in an Alpha Lattice Design at 7 locations around the state, 5 locations were successful. Plots were seeded with a target of 14 plants / sq ft in dryland sites, and 18 plants / sq ft in irrigated sites

Barley Early Yield Trial (EYT):

64 malt and feed lines were grown in an Alpha Lattice Design at 7 locations around the state, 5 locations were successful. Plots were seeded with a target of 14 plants / sq ft in dryland sites, and 18 plants / sq ft in irrigated sites

Barley Malt Preliminary Yield Trial (PYT):

120 experimental malt lines and 4 checks were grown in an Augmented Randomized Complete Block Design at Post Farm in Bozeman. Plots were seeded with a target of 14 plants / sq ft

Low-GN Preliminary Yield Trial (LoGN PYT):

49 experimental malt lines (all tested and confirmed to be GN-Free) and 3 checks were grown in an Augmented Randomized Complete Block Design at Post Farm in Bozeman. Plots were seeded with a target of 14 plants / sq ft

Barley Forage Intrastate:

25 awnless lines were grown in a Lattice Square Design at 6 locations around the state. Plots were seeded with a target of 18 plants / sq ft

Barley Forage Early Yield Trial (Forage EYT):

36 awnless lines were grown in a Partially Balanced Square Lattice design at Post Farm in Bozeman. Plots were seeded with a target of 18 plants / sq ft

Barley Forage Preliminary Yield Trial (Forage PYT):

144 experimental awnless lines and 3 checks were grown in an Augmented Randomized Complete Block Design at Post Farm in Bozeman. Plots were seeded with a target of 18 plants / sq ft

All seed was treated with CruiserMaxx Vibrance Cereals seed treatment

Trait	Unit	Trait	Unit
Yield	bu/ac, adj. to 13.5% moisture	Extract	%
Protein	%	S/T Protein	% soluble protein / total protein
Plump	% passed over 6/64" sieve	S Protein	% soluble protein
Test Weight	lbs/bu	B Glucan	ppm
Height	cm	a Amylase	DU
Heading	Julian days	FAN	ppm
Maturity	Julian days	DP	°Lintner
Lodging	% of plot lodged	Forage Yield	tons/acre
		ADF	%
		NDF	%

2024 Barley Malt Offstation - All Locations Means

Name	Yield	Protein	Plump	Test Weight	Height	Heading
Hockett	80.4	12.3	91.7	<u>53.2</u>		
Buzz	84.3	11.4	91.6	52.2		
MT Endurance	81.5	12.1	94.4	51.1		
MT Boy Howdy	87.4	<u>10.6</u>	91.5	51.6		
AC Metcalfe	82.3	12.4	86.6	52.3		
Merit 57	91.9	12.1	80.2	51.2		
AAC Synergy	89.1	12.0	89.0	51.1		
ABI Voyager	79.7	12.8	93.5	51.1		
ABI Eagle	89.6	11.4	88.2	52.5		
LCS Genie	85.4	11.9	75.7	52.3		
LCS Odyssey	88.9	11.6	92.8	50.8		
LG Diablo	90.3	12.4	95.1	50.4		
BC Lexy	96.2	11.0	92.0	49.9		
KWS Enduris	<u>96.2</u>	11.5	96.5	50.1		
KWS Imagis	82.9	11.8	93.3	50.0		
MT19_M061_19	86.5	11.7	94.3	52.1		
MT17M01908	82.4	11.2	94.6	52.0		
MT17M05808	79.3	12.3	85.6	51.4		
MT18M11004	84.8	12.2	86.2	52.5		
MT19_M022_10	90.6	11.5	<u>97.4</u>	51.6		
MT19_M064_04	87.5	11.0	86.5	51.2		
MT19_M067_02	83.9	11.2	91.1	51.1		
MT19_M080_13	86.7	11.7	91.1	50.6		
S14230	95.1	11.5	89.4	50.5		
LG-8016	94.1	11.4	91.6	48.8		
Grand Mean	87.1	11.7	90.4	51.3		
LSD	6.9	0.4	2.4	0.5		
C.V.	10.13	4.37	3.43	1.16		
Prob. Entry	<0.001	<0.001	<0.001	<0.001		

2024 Barley Malt Offstation - Hysham Irrigated

Name	Yield	Protein	Plump	Test Weight	Height	Heading
Hockett	108.13	11.83	93.9	<u>51.37</u>	<u>85.67</u>	
Buzz	124.46	11.23	94.57	50.47	89.33	
MT Endurance	106.97	12.13	95.57	48.27	87.33	
MT Boy Howdy	118.9	<u>9.87</u>	95.07	49.5	93.33	
AC Metcalfe	109.84	11.77	92.1	50.57	93	
Merit 57	132.82	10.87	91.3	49.07	86.67	
AAC Synergy	121.45	11.57	94.27	49.47	89	
ABI Voyager	105.01	12.2	96.02	49.4	89.33	
ABI Eagle	120.69	10.9	92.12	49.77	94	
LCS Genie	118.06	10.73	88.4	50.4	87	
LCS Odyssey	110.44	10.8	95.64	48.27	92.33	
LG Diablo	122.01	11.83	95.51	46.53	85	
BC Lexy	135.61	10.43	93.91	47.47	88.33	
KWS Enduris	137.66	10.8	96.18	46.77	88.33	
KWS Imagis	117.93	10.83	94.73	46.63	91.67	
MT19_M061_19	121.92	10.77	96.75	49.63	82	
MT17M01908	121.29	10.93	96.8	49.73	88.33	
MT17M05808	106.27	11.9	92.14	50.53	91	
MT18M11004	117.3	11.17	91.97	50.17	89	
MT19_M022_10	<u>138.41</u>	10.53	<u>97.95</u>	49.03	88	
MT19_M064_04	125.55	10.57	95.72	49.47	87.67	
MT19_M067_02	118.77	10.57	93.51	49.23	88.67	
MT19_M080_13	119.83	11.3	96.06	48.87	88	
S14230	134.76	11.1	94.45	47.87	89	
LG-8016	132.92	10.57	93.82	45.37	87	
Grand Mean	121.08	11.09	94.34	48.95	88.76	
LSD	15.48	0.63	1.67	0.55	6.96	
C.V.	9.33	4.17	1.29	0.82	5.72	
Prob. Entry	0.01	<0.001	<0.001	<0.001	0.64	

2024 Barley Malt Offstation - Sidney Dryland

Name	Yield	Protein	Plump	Test Weight	Height	Heading
Hockett	91.1	10.16	95.87	57.88	64.63	171.67
Buzz	80.56	9.71	97.92	57.39	58.34	170.67
MT Endurance	82.32	10.9	96.74	57.02	64.02	170
MT Boy Howdy	95.02	9.38	96.14	57.16	62.29	169.67
AC Metcalfe	92.88	10.15	96.49	58.08	64.72	170
Merit 57	100.51	10.13	88.77	56.35	63.99	174
AAC Synergy	94.09	10.61	97.21	55.62	65.71	171.33
ABI Voyager	86.22	11.63	94.42	55.87	68.95	174
ABI Eagle	97.7	9.75	91.22	56.94	64.37	175.33
LCS Genie	98.29	10.25	92.98	57.75	55.32	174
LCS Odyssey	106.16	9.81	97.12	56.26	58.04	177.67
LG Diablo	90.71	11.1	93.94	54.96	60.98	176.67
BC Lexy	101.4	9.36	94.67	54.55	55.67	177.67
KWS Enduris	98.6	10.01	96.52	54.75	62	174
KWS Imagis	89.17	10.92	92.86	54.35	55.97	176.33
MT19_M061_19	93.44	10.53	97.33	57.2	59.01	170.67
MT17M01908	80.4	10.09	97.79	57.63	65.67	169.33
MT17M05808	88.23	10.64	97.16	57.4	62.33	169.33
MT18M11004	96.06	10.68	94.31	57.87	64.33	171
MT19_M022_10	88.02	10.7	97.14	56.36	60	175.67
MT19_M064_04	92.32	9.52	96.4	56.46	66.04	171.67
MT19_M067_02	83.54	9.83	97.99	56.82	56.29	170
MT19_M080_13	86.54	10.63	97.44	56.79	56.02	168.67
S14230	97.57	10.16	93.94	55.34	57.32	175
LG-8016	100.39	9.93	93.91	52.72	57.99	177.33
Grand Mean	92.45	10.26	95.45	56.38	61.2	172.87
LSD	4.53	0.65	1.08	0.32	4.02	1.67
C.V.	3.55	4.56	0.82	0.41	4.76	0.7
Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

2024 Barley Malt Offstation - Ethridge Dryland

Name	Yield	Protein	Plump	Test Weight	Height	Heading
Hockett	47.1	14.79	85.55	50.31	55.03	
Buzz	48.9	13.08	82.48	48.77	58.4	
MT Endurance	58.5	13.29	90.49	47.88	61.8	
MT Boy Howdy	55.8	12.47	83.16	48	53.33	
AC Metcalfe	46.7	15.2	71.27	48.15	60.97	
Merit 57	45.1	15.33	60.86	48.05	52.47	
AAC Synergy	56.5	13.94	76.1	48.1	59.23	
ABI Voyager	45.7	14.64	90.16	48.12	55.03	
ABI Eagle	59.6	13.65	80.35	50.73	45.7	
LCS Genie	40.8	14.8	45.72	48.79	44.03	
LCS Odyssey	59.3	14.25	85.55	47.83	56.7	
LG Diablo	62.6	14.24	96.1	49.82	57.57	
BC Lexy	50.0	13.31	86.87	47.72	59.27	
KWS Enduris	58.2	13.75	96.68	48.78	60.13	
KWS Imagis	42.5	13.59	92.51	49.18	54.2	
MT19_M061_19	46.5	13.85	89.02	49.49	54.17	
MT17M01908	41.6	12.35	89.61	48.53	61.8	
MT17M05808	43.5	14.5	66.97	46.28	55	
MT18M11004	46.1	14.62	71.87	49.28	55.87	
MT19_M022_10	47.7	13.25	97.43	49.39	50.8	
MT19_M064_04	45.5	12.92	66.97	47.6	59.27	
MT19_M067_02	48.7	13.17	82.32	47.32	58.43	
MT19_M080_13	52.6	13.05	79.57	46.09	54.2	
S14230	52.5	13.29	79.82	48.4	55.9	
LG-8016	54.6	13.81	87.14	48.26	54.2	
Grand Mean	50.3	13.8	81.38	48.43	55.74	
LSD	16.6	0.8	7.07	1.27	5.65	
C.V.	19.16	4.22	6.3	1.9	7.4	
Prob. Entry	0.65	<0.001	<0.001	<0.001	<0.001	

2024 Barley Feed Offstation - All Locations Means

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	55.9	13.7	57.4	47.5	69.7		
Cowgirl	50.1	14.1	63.3	48.9	72.0		
Hays	57.3	13.6	67.2	48.6	67.7		
Haymaker	49.0	<u>15.0</u>	68.0	49.3	70.9		
Haybet	41.7	14.6	37.4	49.0	75.4		
MT16F01601	52.0	13.4	76.2	48.9	70.0		
MT17F02410	59.4	13.8	61.2	48.5	66.4		
Hockett	55.8	13.0	87.4	52.6	64.9		
Buzz	48.0	12.1	88.4	51.8	60.6		
MT Endurance	47.6	12.4	75.7	51.8	67.6		
MT Boy Howdy	59.9	11.5	80.2	50.6	62.9		
AC Metcalfe	50.7	14.1	79.9	51.8	67.7		
Merit 57	57.7	13.5	68.5	49.8	63.8		
AAC Synergy	57.8	12.9	84.5	50.6	65.9		
ABI Voyager	53.2	13.5	89.8	50.1	64.8		
ABI Eagle	59.5	13.4	67.1	49.8	59.3		
LCS Genie	60.6	13.8	65.1	50.4	57.8		
LCS Odyssey	<u>62.4</u>	13.0	73.7	50.1	<u>57.2</u>		
Haxby	59.6	13.0	77.9	<u>53.2</u>	65.0		
MT18M10106	60.1	11.8	89.8	51.9	67.3		
MT18M11004	57.1	13.6	71.1	51.2	65.3		
MT19_M022_10	56.0	12.7	80.5	49.2	58.0		
MT19_M034_16	61.3	12.3	80.9	50.1	60.9		
MT19_M095_04	59.6	12.4	<u>90.0</u>	52.2	64.7		
MT20_F108_13	56.0	14.5	69.7	49.0	65.9		
Grand Mean	55.5	13.3	74.0	50.3	65.3		
LSD	4.0	0.4	5.9	0.8	2.6		
C.V.	10.85	4.41	6.91	2.54	6.01		
# obs	6	6	3	6	6		
Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001		

2024 Barley Feed Offstation - Havre

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	100.3	13.2	52.7	51.4	73.4	173.3	201.7
Cowgirl	93.8	13.4	66.6	52.5	80.1	174.0	201.3
Hays	101.1	12.8	67.3	53.1	70.4	177.0	201.0
Haymaker	96.4	14.3	63.7	53.6	79.2	173.7	200.3
Haybet	85.8	14.0	47.8	53.1	87.0	174.0	200.3
MT16F01601	94.6	13.2	79.8	51.9	78.9	172.7	202.7
MT17F02410	100.8	13.1	56.7	52.8	67.7	175.3	199.3
Hockett	99.8	12.5	96.9	55.9	71.1	174.3	203.7
Buzz	94.9	11.2	97.2	55.4	67.7	174.3	205.0
MT Endurance	89.4	11.8	98.2	53.5	69.6	173.0	204.7
MT Boy Howdy	104.9	11.1	93.5	55.0	70.1	173.7	204.7
AC Metcalfe	83.3	13.5	92.3	55.1	70.9	174.0	202.3
Merit 57	98.9	12.4	76.7	52.5	66.7	177.7	205.3
AAC Synergy	96.1	12.1	91.6	53.9	70.2	174.3	204.0
ABI Voyager	92.9	13.3	92.4	53.0	74.4	176.0	204.3
ABI Eagle	86.0	13.1	66.7	52.5	64.7	177.0	205.0
LCS Genie	99.3	13.4	77.9	54.6	60.3	178.0	202.7
LCS Odyssey	106.9	12.0	87.3	52.9	60.1	179.0	205.3
Haxby	106.0	12.0	89.2	56.8	72.8	173.3	201.0
MT18M10106	115.9	11.4	95.0	55.4	73.5	174.7	206.0
MT18M11004	95.0	12.7	80.9	55.4	68.5	174.0	204.3
MT19_M022_10	96.4	12.4	86.8	51.7	63.3	178.7	206.0
MT19_M034_16	97.8	11.5	92.1	54.1	66.3	177.3	204.0
MT19_M095_04	103.1	11.4	96.3	56.6	65.3	171.7	205.0
MT20_F108_13	107.4	13.2	67.4	53.4	71.2	176.0	202.3
Grand Mean	97.9	12.6	80.5	53.9	70.5	175.1	203.3
LSD	6.1	0.5	3.3	0.6	3.1	1.4	1.5
C.V.	3.78	2.66	3	0.75	2.64	0.5	0.44
Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

2024 Barley Feed Offstation - Denton

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	12.6	14.6	8.2	43.5	47.9		
Cowgirl	11.6	17.0	37.7	47.9	50.4		
Hays	<u>21.6</u>	13.7	48.3	49.2	46.4		
Haymaker	10.5	16.0	41.7	47.5	48.0		
Haybet	13.6	15.0	19.3	47.9	51.2		
MT16F01601	19.8	13.3	42.6	49.1	51.3		
MT17F02410	19.0	15.0	37.4	47.4	45.7		
Hockett	16.6	14.1	75.0	52.2	44.1		
Buzz	15.7	12.0	75.5	52.1	40.9		
MT Endurance	14.9	12.7	63.9	51.9	51.8		
MT Boy Howdy	15.5	12.4	45.8	46.7	43.4		
AC Metcalfe	17.0	14.6	58.5	53.1	49.1		
Merit 57	16.5	13.5	38.4	50.1	46.0		
AAC Synergy	12.8	13.2	53.0	49.2	46.1		
ABI Voyager	10.3	15.3	78.0	46.8	45.7		
ABI Eagle	11.8	14.3	39.5	47.5	43.8		
LCS Genie	14.7	14.6	10.2	47.5	40.8		
LCS Odyssey	13.9	14.0	39.3	48.2	46.4		
Haxby	18.0	12.2	34.8	52.6	47.4		
MT18M10106	16.3	13.0	57.8	50.2	51.0		
MT18M11004	16.2	14.2	37.8	48.7	49.7		
MT19_M022_10	12.7	14.1	79.3	49.8	45.0		
MT19_M034_16	17.6	12.9	28.9	48.5	49.0		
MT19_M095_04	18.5	12.8	54.2	49.6	50.2		
MT20_F108_13	10.4	17.3	45.5	46.8	45.0		
Grand Mean	15.1	14.1	46.0	49.0	47.1		
LSD	6.4	1.1	12.9	2.9	4.6		
C.V.	25.84	5.72	20.33	4.3	7.04		
Prob. Entry	0.04	<0.001	<0.001	<0.001	<0.001		

2024 Barley Feed Offstation - Geraldine

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	47.0	14.1	62.3	52.8	70.3		
Cowgirl	32.8	15.0	61.4	53.4	66.0		
Hays	54.9	14.0	66.0	53.6	64.3		
Haymaker	51.0	14.8	71.8	53.4	68.6		
Haybet	32.9	15.2	26.8	53.9	69.4		
MT16F01601	50.2	14.6	72.6	54.1	67.8		
MT17F02410	40.8	14.2	66.4	54.2	65.2		
Hockett	51.1	13.2	77.4	56.6	62.7		
Buzz	32.5	12.4	79.0	56.7	62.7		
MT Endurance	46.6	12.1	53.5	58.3	67.7		
MT Boy Howdy	48.9	12.0	66.2	55.8	63.5		
AC Metcalfe	40.8	15.0	68.7	55.5	63.5		
Merit 57	40.7	14.1	58.3	55.6	63.5		
AAC Synergy	56.0	13.2	78.8	56.2	61.0		
ABI Voyager	43.6	14.2	87.4	55.3	61.0		
ABI Eagle	64.0	13.3	68.6	55.6	57.6		
LCS Genie	41.0	14.6	52.2	54.4	57.6		
LCS Odyssey	52.4	13.5	60.1	56.9	60.1		
Haxby	61.3	13.4	67.7	56.6	62.7		
MT18M10106	41.5	12.3	82.5	56.4	64.3		
MT18M11004	42.4	14.3	60.7	56.1	65.2		
MT19_M022_10	36.0	12.8	74.6	54.9	56.7		
MT19_M034_16	55.0	13.5	70.6	53.9	60.1		
MT19_M095_04	52.1	12.3	83.0	56.1	62.6		
MT20_F108_13	51.9	14.2	72.0	54.8	66.0		
Grand Mean	46.7	13.7	67.6	55.3	63.6		
LSD	11.0	0.8	11.7	1.6	5.5		
C.V.	11.34	3.41	10.5	1.71	5.24		
Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001		

2024 Barley Feed Offstation - Broadview

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	46.0	13.6		44.3	66.7		
Cowgirl	43.5	13.6		44.2	68.9		
Hays	43.9	14.1		43.0	62.6		
Haymaker	40.0	15.3		45.8	71.3		
Haybet	23.4	14.9		45.1	75.5		
MT16F01601	38.2	13.4		45.1	65.4		
MT17F02410	51.5	14.0		43.2	61.0		
Hockett	44.5	13.3		49.6	62.4		
Buzz	39.3	12.2		48.4	58.5		
MT Endurance	38.1	12.5		48.9	72.9		
MT Boy Howdy	50.4	11.2		46.7	60.3		
AC Metcalfe	42.4	14.3		46.9	66.4		
Merit 57	51.1	14.1		43.9	62.5		
AAC Synergy	43.3	12.4		46.4	66.4		
ABI Voyager	39.9	13.3		46.2	68.2		
ABI Eagle	51.2	13.4		46.6	55.6		
LCS Genie	53.3	13.5		46.2	55.2		
LCS Odyssey	52.3	13.0		47.4	55.1		
Haxby	49.7	14.1		49.2	63.3		
MT18M10106	50.4	11.8		46.8	67.6		
MT18M11004	55.1	13.9		46.6	61.5		
MT19_M022_10	46.6	12.1		45.5	54.0		
MT19_M034_16	55.8	12.6		46.0	56.6		
MT19_M095_04	50.9	12.7		48.6	64.8		
MT20_F108_13	38.1	14.4		44.6	67.9		
Grand Mean	45.6	13.3		46.2	63.6		
LSD	6.8	0.4		1.1	5.6		
C.V.	10.75	2.12		1.71	6.35		
Prob. Entry	<0.001	<0.001		<0.001	<0.001		

2024 Barley Feed Offstation - Billings

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	33.5	13.7		44.7	56.1		
Cowgirl	34.9	13.0		47.5	60.3		
Hays	36.7	14.5		43.0	57.9		
Haymaker	32.9	<u>15.2</u>		47.0	59.4		
Haybet	27.9	14.1		46.1	65.0		
MT16F01601	33.1	12.9		44.6	57.1		
MT17F02410	36.2	14.1		43.5	52.7		
Hockett	35.3	12.9		48.9	55.0		
Buzz	32.0	13.0		47.7	48.3		
MT Endurance	33.7	13.0		50.1	51.1		
MT Boy Howdy	37.9	11.8		48.0	45.3		
AC Metcalfe	33.4	14.5		49.4	54.5		
Merit 57	32.1	14.1		46.4	50.9		
AAC Synergy	36.7	13.6		48.6	58.8		
ABI Voyager	39.1	12.2		48.7	50.4		
ABI Eagle	37.2	13.4		45.3	44.0		
LCS Genie	35.1	13.9		47.4	44.2		
LCS Odyssey	34.0	12.1		47.5	46.7		
Haxby	37.5	13.7		<u>51.8</u>	52.7		
MT18M10106	36.8	11.8		50.2	55.9		
MT18M11004	39.2	13.4		48.4	51.6		
MT19_M022_10	30.6	13.1		44.8	49.5		
MT19_M034_16	<u>43.7</u>	11.7		47.8	49.3		
MT19_M095_04	39.9	13.3		50.1	56.1		
MT20_F108_13	36.2	14.1		45.8	49.6		
Grand Mean	35.4	13.3		47.3	52.9		
LSD	5.2	1.2		2.0	6.0		
C.V.	10.61	6.74		3.06	8.22		
Prob. Entry	0.01	<0.001		<0.001	<0.001		

2024 Barley Feed Offstation - Huntley

Name	Yield	Protein	Plump	Test Weight	Height	Heading	Maturity
Lavina	90.1	12.9		47.8	103.0	164.9	
Cowgirl	83.7	12.7		48.3	105.7	164.7	
Hays	88.6	13.2		49.0	102.3	167.2	
Haymaker	64.8	14.0		49.3	102.3	167.3	
Haybet	60.2	<u>14.1</u>		47.5	104.0	165.3	
MT16F01601	81.9	13.6		47.6	99.0	162.0	
MT17F02410	97.5	13.0		49.0	100.3	167.7	
Hockett	86.3	12.3		51.9	93.7	165.3	
Buzz	66.9	10.8		51.5	90.7	162.4	
MT Endurance	68.8	11.9		49.5	94.7	162.6	
MT Boy Howdy	101.9	10.7		51.0	95.0	164.6	
AC Metcalfe	85.9	13.2		51.4	98.0	164.7	
Merit 57	105.0	12.9		49.7	94.0	165.9	
AAC Synergy	97.7	12.1		50.7	94.7	166.1	
ABI Voyager	88.8	13.0		50.3	89.3	166.0	
ABI Eagle	109.6	12.9		50.9	86.7	166.0	
LCS Genie	108.0	12.8		51.6	85.3	166.9	
LCS Odyssey	<u>120.2</u>	12.8		48.5	79.0	167.3	
Haxby	91.8	12.7		<u>53.1</u>	92.3	164.1	
MT18M10106	98.2	11.1		51.4	93.0	166.5	
MT18M11004	96.4	12.7		51.9	93.0	163.7	
MT19_M022_10	109.2	12.0		48.7	79.3	168.1	
MT19_M034_16	101.1	11.8		49.9	82.0	164.9	
MT19_M095_04	88.9	11.9		51.7	89.7	162.8	
MT20_F108_13	93.8	13.3		49.8	100.0	167.2	
Grand Mean	91.4	12.6		50.1	93.9	165.4	
LSD	7.9	0.3		0.5	5.3	1.0	
C.V.	5.22	1.63		0.78	4.14	0.44	
Prob. Entry	<0.001	<0.001		<0.001	<0.001	<0.001	

2024 2nd Nature Advanced Malt Trial - Power Irrigated Agronomic Data

Pedigree	Name	Yield	Test Weight	Height	Lodging
	Buzz	85.6	50.6	85.6	2
	Hockett	94.6	52.4	88.7	25
	AAC Synergy	116.4	51.1	91.4	9
HOCKETT/ND24388	MT Endurance	96.1	50.7	93.7	16
MT100120xND24388	MT17M01908	87.2	51.6	96.2	0
HOCKETTxMETCALFE	MT17M05808	92.1	51.2	93.1	22
MT124113/ND24388	MT18M06008	111.7	52.8	91.1	0
MT124069/2ND280265	MT18M11106	98.9	51.9	93.6	7
ND24260/Maris Mink	MT19_M022_10	111.3	52.4	74.0	5
Mt124112/Baltster	MT19_M061_19	91.2	50.8	89.8	0
MT124112/Larrissa	MT19_M064_04	97.9	49.9	91.1	4
MT124112/Chalice	MT19_M067_02	95.5	50.5	88.3	5
MT124673/Golden Promise	MT19_M080_13	114.2	50.0	80.8	0
ND24388/MAJA-6	MT20_M008_04	120.2	52.1	91.7	12
MT100120/JULIETTE	MT20_M033_14	108.1	50.6	92.4	23
MT124112/HALLA	MT20_M047_16	109.7	51.6	90.6	2
MT124128/CHARIOT	MT20_M053_02	121.7	51.2	93.8	27
MT124128/Decanter	MT20_M054_05	108.8	52.6	89.5	0
ND24260/CHARIOT	MT20_M073_12	122.5	51.9	70.7	3
MT100120/Growler	MT20_M102_03	118.1	50.9	93.9	3
MT124128/09N2-63	MT20_M120_05	106.8	50.5	90.9	5
UC1410/MT124112	MT21_094_06	88.2	51.1	95.0	18
BUZZ/PI 175506	MT21_M009_02	93.1	52.8	103.0	20
BUZZ/PI 283459	MT21_M011_01	104.3	53.4	83.4	0
BUZZ/PI 399491	MT21_M015_04	108.8	52.4	89.8	7
MT16M07706/MT16M00709	MT21_M021_05	95.0	51.5	93.7	17
MT16M01801/PI 330398	MT21_M036_01	96.9	50.6	90.7	13
MT16M02101/MT16M08502	MT21_M053_06	107.1	50.6	96.7	21
MT16M02101/PI 599649	MT21_M064_01	120.0	52.1	91.8	21
MT16M02201/PI 428491	MT21_M070_01	84.4	49.8	91.2	3
MT16M02204/MT124069	MT21_M072_02	93.6	50.8	92.0	17
MT124069/06WA-90	MT21_M089_01	127.7	53.0	87.1	2
MT124128/2MS14-3317-01	MT21_M090_04	105.7	52.4	85.4	1
MT16M00209/PI 466726	MT21_M104_05	98.8	51.1	89.3	5
Buzz/PI 339889	MT21_M110_02	90.5	52.2	92.3	5
BUZZ/PI 614939	MT21_M115_01	93.6	50.6	89.6	10
	Grand Mean	103.2	51.4	90.1	9
	LSD	24.3	1.1	9.0	33
	C.V.	10.79	0.93	4.59	174.9
	p Value	<0.001	<0.001	<0.001	0.41

2024 2nd Nature Advanced Malt Trial - Power Irrigated Malt Quality Data

Pedigree	Name	Extract %	S/T Protein	S Protein	Average Protein	FAN	B Glucan	a Amylase	DP
	Buzz	81.0	45.3	5.1	11.4	277.5	134.7	109.0	168.2
	Hockett	81.0	40.4	4.9	12.0	234.4	231.9	93.7	192.0
	AAC Synergy	81.4	46.1	4.8	10.5	273.7	57.4	65.3	154.3
HOCKETT/ND24388	MT Endurance	83.7	45.5	5.6	12.3	268.9	308.3	68.1	161.0
MT100120xND24388	MT17M01908	81.7	40.6	4.3	10.7	223.3	152.5	88.7	163.9
HOCKETTxMETCALFE	MT17M05808	81.5	50.9	6.0	11.7	282.0	79.0	56.5	165.0
MT124113/ND24388	MT18M06008	81.5	46.8	5.7	12.2	281.7	251.8	74.8	175.8
MT124069/2ND280265	MT18M11106	79.7	40.3	4.7	11.6	252.3	123.1	51.2	175.0
ND24260/Maris Mink	MT19_M022_10	80.8	38.3	3.9	10.1	206.7	284.4	74.3	105.2
Mt124112/Baltster	MT19_M061_19	82.5	46.5	4.8	10.3	265.7	171.3	102.6	119.5
MT124112/Larrissa	MT19_M064_04	81.4	41.2	4.3	10.4	271.2	118.9	77.6	145.8
MT124112/Chalice	MT19_M067_02	81.2	47.2	5.1	10.9	292.4	176.2	78.3	143.6
MT124673/Golden Promise	MT19_M080_13	81.8	44.2	5.2	11.8	285.3	119.9	99.3	172.1
ND24388/MAJA-6	MT20_M008_04	79.9	33.3	3.8	11.6	226.5	339.2	57.3	176.9
MT100120/JULIETTE	MT20_M033_14	79.8	39.5	4.4	11.0	231.0	179.1	74.0	174.8
MT124112/HALLA	MT20_M047_16	82.2	50.3	4.9	9.8	285.3	119.2	117.1	146.5
MT124128/CHARIOT	MT20_M053_02	81.8	49.4	5.3	10.6	277.5	101.9	105.7	158.4
MT124128/Decanter	MT20_M054_05	81.6	50.3	5.5	11.0	275.7	171.1	88.5	117.2
ND24260/CHARIOT	MT20_M073_12	82.3	47.6	4.7	9.9	278.1	110.4	102.3	158.6
MT100120/Growler	MT20_M102_03	81.9	57.5	5.5	9.6	277.5	137.4	84.7	134.3
MT124128/09N2-63	MT20_M120_05	82.3	43.2	4.3	10.1	262.0	338.0	63.0	105.0
UC1410/MT124112	MT21_094_06	80.1	53.5	6.1	11.5	314.0	176.0	89.0	184.0
BUZZ/PI 175506	MT21_M009_02	81.4	49.6	5.1	10.3	251.0	293.0	74.0	108.0
BUZZ/PI 283459	MT21_M011_01	80.6	48.0	5.1	10.6	267.0	167.0	75.0	150.0
BUZZ/PI 399491	MT21_M015_04	81.0	53.0	5.2	9.8	271.0	73.0	91.0	123.0
MT16M07706/MT16M00709	MT21_M021_05	81.0	51.5	6.1	11.8	306.0	123.0	74.0	145.0
MT16M01801/PI 330398	MT21_M036_01	81.4	45.6	5.0	10.9	284.0	193.0	68.0	101.0
MT16M02101/MT16M08502	MT21_M053_06	83.4	55.9	5.6	10.1	277.0	196.0	72.0	128.0
MT16M02101/PI 599649	MT21_M064_01	82.8	56.4	5.3	9.4	259.0	160.0	74.0	151.0
MT16M02201/PI 428491	MT21_M070_01	82.5	54.0	5.5	10.1	289.0	182.0	50.0	107.0
MT16M02204/MT124069	MT21_M072_02	81.6	47.6	5.3	11.2	248.0	170.0	58.0	169.0
MT124069/06WA-90	MT21_M089_01	82.1	57.1	5.6	9.8	287.0	79.0	74.0	127.0
MT124128/2MS14-3317-01	MT21_M090_04	81.2	55.1	5.7	10.3	274.0	202.0	61.0	122.0
MT16M00209/PI 466726	MT21_M104_05	80.4	44.2	5.1	11.5	243.0	258.0	51.0	135.0
Buzz/PI 339889	MT21_M110_02	81.2	51.5	5.4	10.5	283.0	191.0	100.0	102.0
BUZZ/PI 614939	MT21_M115_01	83.0	51.9	5.5	10.6	289.0	73.0	89.0	140.0
	Grand Mean	81.5	47.8	5.1	10.8	268.6	173.4	78.7	144.6
	LSD	0.9	5.8	0.6	0.8	23.4	74.9	17.6	26.1
	C.V.	0.0	0.1	0.1	0.1	0.1	0.4	0.2	0.2

2024 Barley Intrastate - Dryland (Havre + Moccasin) Average Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	65.0	87.5	11.2	52.9	63.0		
	Hockett	67.6	83.3	11.9	53.5	63.8		
Manley/2B80-350//Merit/2B94-5774	Merit 57	58.2	67.5	12.7	50.2	61.2		
Haxby/ND24388	MT Boy Howdy	70.7	80.4	10.6	54.0	65.1		
HOCKETT/ND24388	MT Endurance	67.4	77.3	11.6	53.6	64.8		
	AAC Synergy	60.9	86.4	12.0	51.7	67.1		
MT100120xND24388	MT17M01908	70.3	95.6	10.6	53.7	68.0		
MT124673/Golden Promise	MT19_M080_13	63.9	76.2	11.2	54.1	56.2		
PINNACLEXTM050187	FHB-2017-59-2	72.0	90.4	11.7	54.7	66.5		
HOCKETTxMETCALFE	MT17M05808	63.9	84.2	12.3	52.3	67.5		
MT124113/ND24388	MT18M06008	59.5	86.2	11.5	54.4	61.1		
MT100120/08AB-31	MT18M10106	67.8	89.3	11.2	53.8	66.0		
MT124073/Haxby	MT18M11004	77.8	77.2	11.6	53.6	65.7		
MT124069/2ND280265	MT18M11106	59.5	82.0	12.1	52.6	69.6		
ND24260/Maris Mink	MT19_M022_10	66.6	95.4	11.0	52.1	58.6		
MT090190/Baronesse	MT19_M034_16	69.8	84.1	10.9	52.7	59.9		
MT124112/Baltster	MT19_M061_19	67.9	88.4	11.4	52.3	65.9		
MT124112/Larrissa	MT19_M064_04	75.3	79.7	11.6	52.0	67.3		
MT124112/Challice	MT19_M067_02	71.0	90.2	10.8	53.5	60.7		
MT124134/Shabet	MT19_M095_04	72.7	87.9	11.1	53.7	61.2		
ND24388/MAJA-6	MT20_M008_04	76.2	92.1	10.8	53.5	63.2		
MT100120/JULIETTE	MT20_M033_14	67.3	86.9	11.0	52.4	64.2		
MT124112/HALLA	MT20_M047_16	66.8	89.1	11.0	53.4	61.2		
MT124128/CHARIOT	MT20_M053_02	64.6	84.6	11.4	53.2	62.9		
MT124128/Decanter	MT20_M054_05	62.0	92.8	11.7	53.6	56.9		
MT124134/CLARK	MT20_M062_04	60.3	88.7	11.1	54.2	57.4		
ND24260/CHARIOT	MT20_M073_12	68.3	77.4	11.7	53.2	54.1		
MT100120/Growler	MT20_M102_03	66.3	83.9	11.7	49.9	69.6		
MT124128/09N2-63	MT20_M120_05	72.2	92.4	11.4	52.8	62.8		
MT16M01405/Lara	MT21_027_01	71.0	83.8	12.1	52.8	66.4		
MT16M01405/Ev	MT21_030_01	66.7	76.6	11.5	54.8	63.3		
MT16M02101/WC400	MT21_062_02	68.1	85.3	12.2	52.9	64.9		
MT16M02201/WC284	MT21_069_02	73.2	85.2	11.3	51.8	55.3		
2MS143317-025/MT124069	MT21_087_01	66.6	75.1	12.1	54.2	65.2		
UC1410/MT124112	MT21_094_06	66.8	80.8	11.9	51.4	64.6		
UC1410/MT124112	MT21_094_08	65.3	58.0	12.1	52.0	67.1		
BEARPAW/WC212	MT21_100_02	67.0	81.3	12.4	53.3	63.9		
BEARPAW/WC447	MT21_102_02	63.0	72.7	12.5	52.9	66.8		
MT16M01801/WC476	MT21_129_01	71.9	84.9	11.7	51.3	57.2		
BUZZ/PI 175506	MT21_M009_02	59.8	85.4	11.2	53.7	67.5		
BUZZ/PI 283459	MT21_M011_01	68.3	87.0	11.1	54.4	58.7		
BUZZ/PI 337142	MT21_M014_04	67.2	90.5	10.3	55.0	56.8		
BUZZ/PI 399491	MT21_M015_04	69.2	76.2	10.6	52.5	59.6		
MT16M07706/MT16M00709	MT21_M021_05	71.9	80.8	11.9	51.9	67.0		
MT16M01801/PI 330398	MT21_M036_01	68.4	82.2	10.9	53.4	63.6		
MT16M02101/MT16M08502	MT21_M053_06	71.3	79.8	10.3	51.6	65.9		
MT16M02101/PI 599649	MT21_M064_01	71.2	80.5	10.7	51.6	64.6		
MT16M02201/PI 428491	MT21_M070_01	72.0	86.1	10.6	51.4	59.9		
MT16M02204/MT124069	MT21_M072_02	70.2	70.0	11.0	53.5	61.6		
MT124069/06WA-90	MT21_M089_01	72.1	82.0	11.1	51.7	58.6		
MT124128/2MS14-3317-01	MT21_M090_04	66.8	86.2	11.0	53.8	60.1		
BEARPAW/PI592173	MT21_M098_01	74.1	90.8	11.3	52.0	65.9		
MT16M00209/PI 466726	MT21_M104_05	65.2	97.4	10.9	52.8	63.1		
Buzz/PI 339889	MT21_M110_02	66.0	86.1	11.0	54.6	63.2		
BUZZ/Maja	MT21_M113_02	68.7	80.5	11.2	52.6	62.9		
BUZZ/PI 614939	MT21_M115_01	69.6	82.8	11.5	51.9	63.5		
MT16M00709/PI 428499	MT21_M126_03	72.0	88.4	11.2	52.2	66.8		
	Havener	66.2	38.6	12.8	60.7	63.0		
MT110065/09WA215.12	MT18H02702	67.2	43.3	12.7	61.9	68.9		
MT110061/OR15-5	MT19_H09_09	61.4	50.9	13.6	62.1	76.8		
MT110065/07G30T131_3	MT19_H11_04	62.8	42.6	13.3	60.7	77.3		
MT110065/07G30T131_3	MT19_H11_05	58.8	34.5	13.5	60.0	69.0		
TRANSIT/X05013-T1	MT20_H092_03	56.5	39.5	14.1	58.3	66.2		
TRANSIT/X05013-T1	MT20_H092_13	59.9	52.4	15.4	61.2	71.5		
	Grand Mean	67.3	79.3	11.6	53.8	63.9		
	LSD	6.5	6.2	0.6	0.9	4.4		
	C.V.	8.5	6.8	4.6	1.4	6.0		
	p value	<0.001	<0.001	<0.001	<0.001	<0.001		

2024 NARC Barley Intrastate - Havre Dryland Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
Manley/2B80-350//Merit/2B94-5774	Buzz	83.6	98.9	10.9	51.9	68.5	173.8	204.8
	Hockett	90.6	95.4	11.6	52.7	70.9	175.0	203.9
	Merit 57	76.0	78.2	12.6	47.3	67.9	180.2	204.2
Haxby/ND24388	MT Boy Howdy	88.1	94.7	10.5	51.4	70.5	177.4	204.4
HOCKETT/ND24388	MT Endurance	84.0	98.4	11.9	49.9	69.3	173.0	203.8
MT100120xND24388	AAC Synergy	85.4	93.3	12.1	49.9	74.7	181.2	204.9
	MT17M01908	87.8	98.9	11.0	51.0	72.3	170.7	204.6
MT124673/Golden Promise	MT19_M080_13	81.7	97.8	11.4	50.0	62.9	172.7	204.5
PINNACLEXTM050187	FHB-2017-59-2	95.1	97.1	12.4	53.0	74.7	173.9	205.0
HOCKETT x METCALFE	MT17M05808	83.0	96.9	12.1	51.4	72.0	174.9	203.9
MT124113/ND24388	MT18M06008	73.8	97.6	11.8	52.4	67.3	169.0	205.2
MT100120/08AB-31	MT18M10106	92.1	96.3	10.9	51.5	71.0	180.7	203.8
MT124073/Haxby	MT18M11004	96.5	88.8	12.2	51.8	69.9	176.2	204.6
MT124069/2ND280265	MT18M11106	76.1	93.8	11.7	51.0	75.9	182.6	204.9
ND24260/Maris Mink	MT19_M022_10	91.2	95.0	11.5	48.3	66.0	180.5	206.5
MT090190/Baronesse	MT19_M034_16	93.4	94.0	11.2	50.8	67.2	180.0	203.8
MT124112/Baltster	MT19_M061_19	86.2	96.0	11.3	50.2	70.1	178.0	204.1
MT124112/Larrissa	MT19_M064_04	96.6	91.7	11.5	49.9	73.1	180.6	205.2
MT124112/Challice	MT19_M067_02	88.9	97.3	10.8	51.9	66.1	173.5	205.9
MT124134/Shabet	MT19_M095_04	93.6	98.1	11.0	52.1	66.2	173.7	202.8
ND24388/MAJA-6	MT20_M008_04	96.7	98.7	10.9	52.2	69.6	173.9	203.4
MT100120/JULIETTE	MT20_M033_14	86.6	96.3	11.4	49.7	75.4	173.7	204.4
MT124112/HALLA	MT20_M047_16	87.2	98.1	10.8	52.1	65.4	174.8	203.1
MT124128/CHARIOT	MT20_M053_02	81.5	92.0	11.9	51.6	71.6	178.7	203.4
MT124128/Decanter	MT20_M054_05	77.8	98.3	11.9	52.2	65.9	171.7	205.4
MT124134/CLARK	MT20_M062_04	79.6	98.1	11.1	52.9	64.2	173.2	204.1
ND24260/CHARIOT	MT20_M073_12	88.0	86.7	11.3	51.3	59.3	176.9	204.6
MT100120/Growler	MT20_M102_03	90.1	84.4	11.7	46.8	76.6	181.0	204.6
MT124128/09N2-63	MT20_M120_05	92.3	99.2	11.1	50.4	70.3	173.6	204.0
MT16M01405/Lara	MT21_027_01	91.4	95.4	12.4	51.6	72.0	175.3	204.0
MT16M01405/Ev	MT21_030_01	87.9	92.3	11.7	53.8	73.7	177.0	203.1
MT16M02101/WC400	MT21_062_02	90.7	89.9	12.5	50.9	72.1	175.0	203.2
MT16M02201/WC284	MT21_069_02	95.5	93.1	11.8	49.3	62.6	180.6	206.2
2MS143317-025/MT124069	MT21_087_01	88.5	92.4	12.4	53.4	73.9	175.8	204.0
UC1410/MT124112	MT21_094_06	85.1	93.6	12.0	51.7	70.9	173.3	204.7
UC1410/MT124112	MT21_094_08	85.8	70.5	11.8	52.2	72.8	175.0	204.4
BEARPAW/WC212	MT21_100_02	83.8	96.1	13.2	51.3	72.0	176.3	202.0
BEARPAW/WC447	MT21_102_02	80.0	86.8	12.6	51.9	71.9	177.6	202.8
MT16M01801/WC476	MT21_129_01	90.6	91.7	11.7	49.3	65.4	180.9	205.5
BUZZ/PI 175506	MT21_M009_02	80.0	90.2	11.0	51.8	73.8	178.1	206.1
BUZZ/PI 283459	MT21_M011_01	90.4	97.4	10.9	52.5	66.0	180.7	205.8
BUZZ/PI 337142	MT21_M014_04	88.2	96.2	10.6	52.6	62.9	174.7	206.4
BUZZ/PI 399491	MT21_M015_04	84.8	89.3	10.4	51.3	63.8	175.4	204.3
MT16M07706/MT16M00709	MT21_M021_05	91.9	88.8	12.0	50.2	71.3	180.2	204.8
MT16M01801/PI 330398	MT21_M036_01	90.9	96.4	10.8	50.7	70.1	173.7	204.0
MT16M02101/MT16M08502	MT21_M053_06	93.6	93.7	10.2	48.4	73.2	173.1	205.7
MT16M02101/PI 599649	MT21_M064_01	89.4	90.7	10.3	49.4	66.2	174.9	205.0
MT16M02201/PI 428491	MT21_M070_01	88.6	96.1	10.8	46.6	67.7	179.6	204.7
MT16M02204/MT124069	MT21_M072_02	87.8	90.7	11.2	50.8	69.1	178.0	203.6
MT124069/06WA-90	MT21_M089_01	91.4	91.5	11.0	50.3	64.6	176.7	203.1
MT124128/2MS14-3317-01	MT21_M090_04	89.1	98.8	10.6	52.6	67.9	173.4	204.8
BEARPAW/PI592173	MT21_M098_01	88.9	98.5	11.2	49.6	68.9	179.7	204.2
MT16M00209/PI 466726	MT21_M104_05	85.2	99.0	11.6	49.3	68.6	173.6	204.4
Buzz/PI 339889	MT21_M110_02	80.8	97.5	11.2	52.4	70.3	176.0	206.5
BUZZ/Maja	MT21_M113_02	88.3	92.4	11.2	51.2	71.4	177.8	204.7
BUZZ/PI 614939	MT21_M115_01	91.4	98.7	12.0	50.4	72.1	178.0	205.4
MT16M00709/PI 428499	MT21_M126_03	93.3	95.0	11.5	50.8	76.5	174.6	205.6
MT110065/09WA215.12	Havener	85.0	61.7	13.0	59.4	67.2	180.4	204.3
	MT18H02702	83.5	52.3	13.4	59.5	75.2	179.5	204.5
MT110061/OR15-5	MT19_H09_09	74.5	44.6	14.3	60.1	85.1	179.1	204.4
MT110065/07G30T131_3	MT19_H11_04	71.6	52.2	13.8	58.4	82.4	181.3	204.4
MT110065/07G30T131_3	MT19_H11_05	78.4	42.8	13.8	56.8	78.9	179.8	205.3
TRANSIT/X05013-T1	MT20_H092_03	72.9	46.7	14.5	55.3	68.8	181.0	205.0
TRANSIT/X05013-T1	MT20_H092_13	83.1	61.8	16.7	58.5	78.7	179.3	205.1
	Grand Mean	86.7	89.3	11.8	51.7	70.4	176.7	204.5
	LSD	6.2	2.8	0.4	0.6	3.5	2.1	1.1
	C.V.	5.7	2.6	3.0	0.9	4.1	0.9	0.4
	p value	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

2024 NARC Barley Intrastate - Havre Dryland Malt Data

Pedigree	Name	Extract	S/T Protein	B Glucan	a Amylase	FAN	DP	S Protein
	Buzz	79.3	46.3	43	104	200	114	4.95
	Hockett	77.5	34.8	73	89	174	166	4
Manley/2B80-350//Merit/2B94-5774	Merit 57	76.3	42.7	24	77	245	172	5.38
Haxby/ND24388	MT Boy Howdy	79.5	36.5	96	56	160	72	3.76
HOCKETT/ND24388	MT Endurance	80.1	41.6	98	79	207	130	4.82
	AAC Synergy	77.6	43.2	56	73	215	146	5.01
MT100120xND24388	MT17M01908	76.8	35.2	169	57	181	142	4.01
MT124673/Golden Promise	MT19_M080_13	78.4	40.1	42	61	187	153	4.45
PINNACLEXMT050187	FHB-2017-59-2	78.2	45.9	38	89	205	154	5.27
HOCKETT x METCALFE	MT17M05808	80.1	46.1	86	78	224	140	5.25
MT124113/ND24388	MT18M06008	76.4	34.2	83	68	161	194	3.7
MT100120/08AB-31	MT18M10106	75	32.6	117	61	154	125	3.62
MT124073/Haxby	MT18M11004	76.7	41.7	70	76	197	163	4.71
MT124069/2ND280265	MT18M11106	74.5	36.4	39	62	192	103	4.08
ND24260/Maris Mink	MT19_M022_10	75	32.1	91	47	143	134	3.34
MT090190/Baronesse	MT19_M034_16	78.1	48.6	48	118	236	129	5.39
MT124112/Baltster	MT19_M061_19	78	45.5	42	95	223	116	5.1
MT124112/Larrissa	MT19_M064_04	79.9	45.4	38	112	227	114	4.82
MT124112/Chalice	MT19_M067_02	78.8	48.8	46	97	232	118	5.17
MT124134/Shabet	MT19_M095_04	78.9	41.7	36	68	193	128	4.54
ND24388/MAJA-6	MT20_M008_04	76.9	34.9	111	68	163	144	3.66
MT100120/JULIETTE	MT20_M033_14	76.8	34.9	48	73	177	172	3.98
MT124112/HALLA	MT20_M047_16	79.7	46	54	103	215	113	4.78
MT124128/CHARIOT	MT20_M053_02	78.1	41.8	45	101	224	141	4.89
MT124128/Decanter	MT20_M054_05	78.4	44.3	67	100	223	77	5.13
MT124134/CLARK	MT20_M062_04	79	45	154	100	216	110	4.9
ND24260/CHARIOT	MT20_M073_12	77.4	43.7	40	90	232	126	4.94
MT100120/Growler	MT20_M102_03	75.2	49.9	16	113	227	175	5.44
MT124128/09N2-63	MT20_M120_05	78.8	39	64	84	183	106	4.22
MT16M01405/Lara	MT21_027_01	74.7	27.9	59	59	153	163	3.48
MT16M01405/Ev	MT21_030_01	76.1	28.4	173	41	136	72	3.15
MT16M02101/WC400	MT21_062_02	72.6	27.5	104	49	147	109	3.49
MT16M02201/WC284	MT21_069_02	76.9	35.1	17	69	162	135	3.96
2MS143317-025/MT124069	MT21_087_01	74.7	25.7	111	53	136	79	3.16
UC1410/MT124112	MT21_094_06	78	43.2	102	77	241	155	5.01
UC1410/MT124112	MT21_094_08	76.1	40.3	83	59	197	155	4.6
BEARPAW/WC212	MT21_100_02	68.9	24.9	372	47	138	89	3.13
BEARPAW/WC447	MT21_102_02	77.8	41.4	22	81	230	142	4.96
MT16M01801/WC476	MT21_129_01	76.6	33.9	18	54	175	143	3.8
BUZZ/PI 175506	MT21_M009_02	76.5	43.5	81	99	200	82	4.48
BUZZ/PI 283459	MT21_M011_01	77.4	45.7	46	60	204	105	4.76
BUZZ/PI 337142	MT21_M014_04	79	42.5	41	114	204	104	4.42
BUZZ/PI 399491	MT21_M015_04	78.1	47.7	25	99	230	104	5.01
MT16M07706/MT16M00709	MT21_M021_05	77.6	42.5	74	89	224	123	5.01
MT16M01801/PI 330398	MT21_M036_01	78.6	38.8	87	81	199	69	4.04
MT16M02101/MT16M08502	MT21_M053_06	80.2	49.1	27	99	201	104	4.67
MT16M02101/PI 599649	MT21_M064_01	78.7	46.7	28	88	193	118	4.48
MT16M02201/PI 428491	MT21_M070_01	78.4	46.1	53	70	230	100	4.93
MT16M02204/MT124069	MT21_M072_02	78.6	38.3	91	52	173	163	4.26
MT124069/06WA-90	MT21_M089_01	79.5	42.2	26	83	214	120	4.64
MT124128/2MS14-3317-01	MT21_M090_04	79.5	45.1	85	81	222	109	4.82
BEARPAW/PI592173	MT21_M098_01	79	42.6	64	77	208	148	4.39
MT16M00209/PI 466726	MT21_M104_05	75	34.4	145	59	174	114	3.85
Buzz/PI 339889	MT21_M110_02	78.3	47.9	72	114	214	77	4.98
BUZZ/Maja	MT21_M113_02	78.6	45.8	31	86	210	122	4.63
BUZZ/PI 614939	MT21_M115_01	78.8	44.1	47	106	218	108	5.2
MT16M00709/PI 428499	MT21_M126_03	77	32	55	64	138	126	3.52
	Havener	71	35.2	367	38	152	90	4.44
MT110065/09WA215.12	MT18H02702	64.6	41.8	326	40	159	108	5.23
MT110061/OR15-5	MT19_H09_09	63.3	30.9	959	56	150	96	4.14
MT110065/07G30T131_3	MT19_H11_04	62.3	41.5	519	53	179	83	5.44
MT110065/07G30T131_3	MT19_H11_05	65.7	45.2	452	47	186	88	5.92
TRANSIT/X05013-T1	MT20_H092_03	62.6	28.2	509	35	153	116	3.98
TRANSIT/X05013-T1	MT20_H092_13	59	21.1	1303	35	114	144	3.42
	Grand Mean	76.02	39.78	132.94	75.2	191.88	122.5	4.48
	LSD							
	C.V.	6.27	17.14	161.98	29.53	16.75	23.71	14.95
	p value							

2024 CARC Barley Intrastate - Moccasin Dryland Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
Manley/2B80-350//Merit/2B94-5774 Haxby/ND24388	Buzz	48.2	78.8	11.3	54.2	56.5		
	Hockett	45.1	72.6	12.0	54.4	58.1		
	Merit 57	43.9	61.7	12.4	53.8	52.9		
HOCKETT/ND24388	MT Boy Howdy	52.2	65.8	10.8	56.6	57.7		
MT100120xND24388 MT124673/Golden Promise	MT Endurance	48.7	58.0	11.1	57.6	61.5		
	AAC Synergy	38.8	73.5	12.3	52.7	60.5		
	MT17M01908	51.6	94.1	10.3	56.5	61.9		
PINNACLEXMT050187	MT19_M080_13	49.3	55.5	11.0	58.2	50.8		
HOCKETTXMETCALFE	FHB-2017-59-2	46.4	83.2	11.1	56.3	59.5		
MT124113/ND24388	MT17M05808	46.2	74.9	12.1	53.5	62.6		
MT100120/08AB-31	MT18M06008	48.6	75.4	10.9	56.6	57.0		
MT124073/Haxby	MT18M10106	45.2	84.0	11.2	56.6	61.1		
MT124069/2ND280265	MT18M11004	56.9	64.4	11.4	55.2	59.9		
ND24260/Maris Mink	MT18M11106	42.2	72.6	12.3	54.2	62.9		
MT090190/Baronesse	MT19_M022_10	42.3	89.6	11.0	55.5	52.9		
MT124112/Baltster	MT19_M034_16	44.1	69.5	11.0	54.0	52.3		
MT124112/Larrissa	MT19_M061_19	47.7	79.2	11.7	54.2	60.4		
MT124112/Challice	MT19_M064_04	55.5	68.5	11.6	54.3	60.5		
MT124134/Shabet	MT19_M067_02	51.1	80.2	10.9	54.9	54.7		
ND24388/MAJA-6	MT19_M095_04	50.4	78.5	10.8	55.3	54.6		
MT100120/JULIETTE	MT20_M008_04	53.3	89.4	10.6	54.8	56.3		
MT124112/HALLA	MT20_M033_14	47.8	75.7	10.7	55.0	53.8		
MT124128/CHARIOT	MT20_M047_16	46.7	81.6	10.8	55.0	58.9		
MT124128/Decanter	MT20_M053_02	47.7	72.4	11.4	54.3	56.4		
MT124134/CLARK	MT20_M054_05	45.8	88.4	11.5	54.9	48.6		
ND24260/CHARIOT	MT20_M062_04	45.1	79.7	10.9	55.7	50.4		
MT100120/Growler	MT20_M073_12	51.1	65.1	11.9	55.0	50.6		
MT124128/09N2-63	MT20_M102_03	42.3	85.5	11.6	53.3	61.6		
MT16M01405/Lara	MT20_M120_05	49.4	88.1	11.5	55.1	55.4		
MT16M01405/Ev	MT21_027_01	49.3	70.8	11.8	54.1	60.0		
MT16M02101/WC400	MT21_030_01	45.4	57.7	11.5	55.9	54.0		
MT16M02201/WC284	MT21_062_02	47.0	78.6	12.5	54.6	57.9		
2MS143317-025/MT124069	MT21_069_02	50.2	75.0	11.2	54.1	48.4		
UC1410/MT124112	MT21_087_01	45.8	61.3	11.4	55.3	54.8		
UC1410/MT124112	MT21_094_06	50.7	69.8	11.6	51.5	58.5		
BEARPAW/WC212	MT21_094_08	41.2	45.6	12.6	51.9	61.0		
BEARPAW/WC447	MT21_100_02	47.9	67.2	11.8	55.2	53.7		
MT16M01801/WC476	MT21_102_02	45.2	59.7	12.2	54.1	60.8		
BUZZ/PI 175506	MT21_129_01	50.5	77.3	11.7	53.1	49.3		
BUZZ/PI 283459	MT21_M009_02	41.3	77.1	11.3	55.1	63.2		
BUZZ/PI 337142	MT21_M011_01	45.8	73.9	11.2	56.0	51.9		
BUZZ/PI 399491	MT21_M014_04	46.2	82.6	10.5	56.8	50.7		
MT16M07706/MT16M00709	MT21_M015_04	50.9	64.9	11.0	53.5	53.3		
MT16M01801/PI 330398	MT21_M021_05	53.1	75.8	11.4	54.1	61.7		
MT16M02101/MT16M08502	MT21_M036_01	44.8	69.0	11.1	56.2	56.9		
MT16M02101/PI 599649	MT21_M053_06	51.7	67.2	10.2	54.8	60.0		
MT16M02201/PI 428491	MT21_M064_01	52.1	70.9	11.2	54.1	61.9		
MT16M02204/MT124069	MT21_M070_01	55.9	73.6	10.7	56.4	53.2		
MT124069/06WA-90	MT21_M072_02	49.8	48.3	11.0	55.7	54.0		
MT124128/2MS14-3317-01	MT21_M089_01	55.6	69.5	11.0	52.8	53.6		
BEARPAW/PI592173	MT21_M090_04	46.0	77.7	11.0	55.5	52.3		
MT16M00209/PI 466726	MT21_M098_01	56.5	85.4	11.3	54.5	62.3		
Buzz/PI 339889	MT21_M104_05	43.0	94.4	10.8	55.9	56.4		
BUZZ/Maja	MT21_M110_02	53.0	72.1	11.2	56.7	57.9		
BUZZ/PI 614939	MT21_M113_02	50.0	69.5	11.3	54.1	55.4		
MT16M00709/PI 428499	MT21_M115_01	50.4	68.9	10.8	53.8	54.0		
MT110065/09WA215.12	MT21_M126_03	51.3	83.3	10.6	53.8	58.1		
MT110061/OR15-5	Havener	45.7	16.6	12.3	62.0	57.7		
MT110065/07G30T131_3	MT18H02702	52.2	37.2	11.7	64.5	64.1		
TRANSIT/X05013-T1	MT19_H09_09	44.7	58.2	13.3	64.1	65.1		
TRANSIT/X05013-T1	MT19_H11_04	53.3	33.7	12.6	63.0	72.4		
	MT19_H11_05	38.5	24.4	13.1	63.2	60.8		
	MT20_H092_03	41.6	32.4	13.9	61.2	62.5		
	MT20_H092_13	41.1	40.1	14.4	63.9	65.0		
	Grand Mean	48.0	69.3	11.5	55.8	57.4		
	LSD	5.8	6.3	0.5	1.0	4.4		
	C.V.	9.8	7.5	3.6	1.4	6.0		
	p value	<0.001	<0.001	<0.001	<0.001	<0.001		

2024 Barley Intrastate - Irrigated (Sidney + Huntley) Average Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	131.0	96.5	11.3	54.3	90.2		
	Hockett	126.6	93.6	12.3	54.7	83.0		
Manley/2B80-350//Merit/2B94-5774	Merit 57	139.1	87.0	11.9	53.0	90.5		
	Haxby/ND24388	126.2	94.4	10.6	54.4	96.5		
HOCKETT/ND24388	MT Endurance	120.4	95.5	12.2	53.1	96.5		
	AAC Synergy	124.1	92.5	12.2	53.4	100.8		
MT100120xND24388	MT17M01908	112.9	97.1	11.3	54.0	95.2		
MT124673/Golden Promise	MT19_M080_13	134.2	96.2	11.6	53.2	87.7		
PINNACLE/MT050187	FHB-2017-59-2	122.2	95.4	13.1	55.6	96.8		
HOCKETT/METCALFE	MT17M05808	115.8	95.1	12.3	54.0	94.5		
MT124113/ND24388	MT18M06008	109.2	94.4	12.0	54.2	90.3		
MT100120/08AB-31	MT18M10106	133.3	95.6	10.6	54.9	94.3		
MT124073/Haxby	MT18M11004	130.8	90.9	12.6	54.4	93.0		
MT124069/2ND280265	MT18M11106	118.9	94.8	11.8	53.7	96.8		
ND24260/Maris Mink	MT19_M022_10	121.2	86.1	11.3	52.5	81.3		
MT090190/Baronesse	MT19_M034_16	146.1	94.0	11.3	54.2	89.8		
Mt124112/Baltster	MT19_M061_19	130.0	95.7	11.4	53.3	94.8		
MT124112/Larrissa	MT19_M064_04	126.4	94.2	11.2	52.7	91.8		
MT124112/Chalice	MT19_M067_02	116.5	96.7	11.1	53.7	88.8		
MT124134/Shabet	MT19_M095_04	123.1	94.3	11.3	55.0	87.8		
ND24388/MAJA-6	MT20_M008_04	123.6	96.4	11.4	54.0	94.2		
MT100120/JULIETTE	MT20_M033_14	128.0	95.3	11.8	52.6	91.2		
MT124112/HALLA	MT20_M047_16	125.2	97.5	11.1	54.3	87.0		
MT124128/CHARIOT	MT20_M053_02	115.7	89.1	11.7	53.1	92.8		
MT124128/Decanter	MT20_M054_05	118.3	96.6	11.5	54.7	84.7		
MT124134/CLARK	MT20_M062_04	120.4	94.0	11.5	55.4	81.5		
ND24260/CHARIOT	MT20_M073_12	121.2	87.6	11.1	53.4	76.5		
MT100120/Growler	MT20_M102_03	135.3	94.3	11.7	52.7	97.8		
MT124128/09N2-63	MT20_M120_05	128.3	96.2	10.9	53.6	90.0		
MT16M01405/Lara	MT21_027_01	128.0	94.5	13.5	54.2	92.2		
MT16M01405/Ev	MT21_030_01	130.6	93.6	12.3	55.9	96.7		
MT16M02101/WC400	MT21_062_02	120.7	94.2	12.8	53.2	95.2		
MT16M02201/WC284	MT21_069_02	136.9	92.1	11.2	51.8	80.2		
2MS143317-025/MT124069	MT21_087_01	128.1	94.0	12.0	55.4	94.5		
UC1410/MT124112	MT21_094_06	120.2	94.3	12.1	53.5	94.2		
UC1410/MT124112	MT21_094_08	115.5	86.6	12.1	53.2	95.3		
BEARPAW/WC212	MT21_100_02	123.1	96.3	13.5	53.0	94.3		
BEARPAW/WC447	MT21_102_02	118.2	91.5	13.3	54.1	92.2		
MT16M01801/WC476	MT21_129_01	135.0	92.6	11.1	52.0	79.7		
BUZZ/PI 175506	MT21_M009_02	121.1	92.6	10.7	54.8	99.8		
BUZZ/PI 283459	MT21_M011_01	119.7	95.9	11.5	54.5	89.2		
BUZZ/PI 337142	MT21_M014_04	121.0	91.6	11.0	54.3	86.7		
BUZZ/PI 399491	MT21_M015_04	122.7	85.6	10.6	52.6	88.3		
MT16M07706/MT16M00709	MT21_M021_05	134.3	87.3	11.9	52.7	96.2		
MT16M01801/PI 330398	MT21_M036_01	126.6	97.2	10.9	53.7	90.8		
MT16M02101/MT16M08502	MT21_M053_06	121.7	89.6	11.0	50.2	100.5		
MT16M02101/PI 599649	MT21_M064_01	125.0	90.8	10.5	52.8	92.0		
MT16M02201/PI 428491	MT21_M070_01	124.2	96.9	10.4	52.2	91.5		
MT16M02204/MT124069	MT21_M072_02	115.7	86.1	11.5	51.0	92.8		
MT124069/06WA-90	MT21_M089_01	143.3	92.7	10.5	54.3	89.5		
MT124128/2MS14-3317-01	MT21_M090_04	123.7	94.9	10.9	54.9	87.0		
BEARPAW/PI592173	MT21_M098_01	121.3	96.2	12.2	53.0	98.5		
MT16M00209/PI 466726	MT21_M104_05	126.3	96.8	11.6	52.4	91.7		
Buzz/PI 339889	MT21_M110_02	116.0	92.9	11.7	53.7	93.5		
BUZZ/Maja	MT21_M113_02	118.2	89.2	11.5	52.5	91.0		
BUZZ/PI 614939	MT21_M115_01	115.7	91.7	11.5	51.1	94.3		
MT16M00709/PI 428499	MT21_M126_03	122.6	91.2	11.4	52.4	96.0		
	Havener	117.8	80.7	12.1	62.5	97.5		
MT110065/09WA215.12	MT18H02702	112.8	84.8	13.5	61.6	99.3		
MT110061/OR15-5	MT19_H09_09	97.4	76.1	15.0	61.2	100.7		
MT110065/07G30T131_3	MT19_H11_04	104.4	81.3	13.5	59.2	100.8		
MT110065/07G30T131_3	MT19_H11_05	105.9	77.0	13.0	60.7	100.2		
TRANSIT/X05013-T1	MT20_H092_03	99.9	68.0	13.9	58.9	96.3		
TRANSIT/X05013-T1	MT20_H092_13	100.7	81.7	15.5	61.0	103.7		
	Grand Mean	122.5	91.6	11.8	54.3	92.5		
	LSD	9.0	9.1	0.6	0.8	5.3		
	C.V.	6.5	8.5	4.1	1.2	5.1		
	p value	<0.001	<0.001	<0.001	<0.001	<0.001		

2024 SARC Barley Intrastate - Huntley Irrigated Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
Manley/2B80-350//Merit/2B94-5774	Buzz	127.6	98.6	11.4	52.1	89.9	159.6	
	Hockett	125.7	96.8	12.4	52.6	71.6	161.6	
	Merit 57	144.2	97.2	11.6	51.2	88.8	163.7	
Haxby/ND24388	MT Boy Howdy	105.8	99.6	10.7	52.4	90.5	159.7	
HOCKETT/ND24388	MT Endurance	116.3	97.7	12.3	50.9	93.1	160.1	
MT100120xND24388	AAC Synergy	125.4	98.6	11.9	51.5	100.4	163.4	
	MT17M01908	101.1	100.0	11.4	51.8	92.6	159.6	
MT124673/Golden Promise	MT19_M080_13	130.6	99.5	11.8	51.0	87.0	157.7	
PINNACLEXTM050187	FHB-2017-59-2	114.4	98.2	13.5	53.1	98.3	158.9	
HOCKETT/METCALFE	MT17M05808	120.1	99.0	12.2	52.3	91.3	161.3	
MT124113/ND24388	MT18M06008	92.6	97.7	12.4	52.3	93.7	157.1	
MT100120/08AB-31	MT18M10106	131.4	99.1	10.6	53.2	90.2	162.3	
MT124073/Haxby	MT18M11004	127.7	98.1	13.1	52.4	91.3	160.2	
MT124069/2ND280265	MT18M11106	117.7	97.2	12.4	50.9	95.7	161.6	
ND24260/Maris Mink	MT19_M022_10	132.4	99.1	10.7	52.4	78.9	164.5	
MT090190/Baronesse	MT19_M034_16	141.0	99.1	11.0	51.8	86.5	161.2	
Mt124112/Baltster	MT19_M061_19	133.0	99.5	11.4	50.9	92.5	161.5	
MT124112/Larrissa	MT19_M064_04	124.1	98.5	11.2	50.5	87.8	162.8	
MT124112/Challice	MT19_M067_02	108.6	98.1	11.0	51.4	88.2	159.4	
MT124134/Shabet	MT19_M095_04	117.4	97.6	11.5	52.8	88.7	158.8	
ND24388/MAJA-6	MT20_M008_04	121.1	99.6	11.8	52.2	89.4	159.1	
MT100120/JULIETTE	MT20_M033_14	122.9	99.0	12.0	49.8	87.6	159.9	
MT124112/HALLA	MT20_M047_16	117.0	99.6	11.2	52.1	86.4	159.7	
MT124128/CHARIOT	MT20_M053_02	116.4	98.1	11.1	51.6	89.4	159.6	
MT124128/Decanter	MT20_M054_05	117.2	99.1	11.6	52.6	82.0	159.4	
MT124134/CLARK	MT20_M062_04	113.2	96.8	11.8	53.1	84.2	158.6	
ND24260/CHARIOT	MT20_M073_12	121.1	97.7	11.1	52.2	74.7	161.7	
MT100120/Growler	MT20_M102_03	131.9	99.5	11.9	50.8	96.9	162.7	
MT124128/09N2-63	MT20_M120_05	123.0	99.6	11.0	51.2	83.9	158.1	
MT16M01405/Lara	MT21_027_01	119.1	97.2	13.8	52.0	87.4	160.2	
MT16M01405/Ev	MT21_030_01	117.2	95.7	12.6	54.0	94.4	161.4	
MT16M02101/WC400	MT21_062_02	114.5	97.6	12.6	51.4	91.6	160.1	
MT16M02201/WC284	MT21_069_02	146.9	99.0	11.1	50.4	79.0	164.2	
2MS143317-025/MT124069	MT21_087_01	124.9	98.2	12.0	53.4	88.9	161.2	
UC1410/MT124112	MT21_094_06	113.6	98.1	12.2	51.6	90.2	160.8	
UC1410/MT124112	MT21_094_08	113.4	98.1	12.0	52.5	94.9	162.4	
BEARPAW/WC212	MT21_100_02	110.8	98.5	13.1	50.7	90.6	161.1	
BEARPAW/WC447	MT21_102_02	119.8	97.6	12.8	52.5	90.6	161.9	
MT16M01801/WC476	MT21_129_01	142.9	99.1	11.0	50.6	83.1	162.6	
BUZZ/PI 175506	MT21_M009_02	120.8	98.2	10.5	53.0	98.1	161.8	
BUZZ/PI 283459	MT21_M011_01	122.7	98.6	11.6	52.1	87.0	162.3	
BUZZ/PI 337142	MT21_M014_04	120.5	97.7	11.0	52.3	83.9	161.2	
BUZZ/PI 399491	MT21_M015_04	122.0	97.2	10.6	50.6	85.6	160.6	
MT16M07706/MT16M00709	MT21_M021_05	137.3	97.6	11.6	51.3	93.0	163.0	
MT16M01801/PI 330398	MT21_M036_01	117.2	99.0	10.9	50.8	88.2	160.0	
MT16M02101/MT16M08502	MT21_M053_06	122.4	97.6	10.3	50.2	100.8	160.5	
MT16M02101/PI 599649	MT21_M064_01	128.3	98.6	10.5	52.5	87.0	161.0	
MT16M02201/PI 428491	MT21_M070_01	119.4	99.5	10.2	50.2	89.8	163.4	
MT16M02204/MT124069	MT21_M072_02	125.0	98.5	11.2	50.8	86.8	160.5	
MT124069/06WA-90	MT21_M089_01	141.0	96.8	10.3	52.2	85.2	162.2	
MT124128/2MS14-3317-01	MT21_M090_04	124.7	97.3	10.9	53.2	88.2	158.6	
BEARPAW/PI592173	MT21_M098_01	113.5	99.1	12.1	50.9	96.5	161.7	
MT16M00209/PI 466726	MT21_M104_05	123.0	99.5	11.6	50.0	90.3	159.2	
Buzz/PI 339889	MT21_M110_02	107.7	98.6	11.4	51.5	89.3	160.8	
BUZZ/Maja	MT21_M113_02	114.9	97.1	11.2	50.6	91.3	160.0	
BUZZ/PI 614939	MT21_M115_01	117.2	97.0	11.3	49.0	90.2	161.8	
MT16M00709/PI 428499	MT21_M126_03	123.1	98.1	10.7	51.1	92.8	160.4	
MT110065/09WA215.12	Havener	112.8	86.0	11.8	59.8	96.5	164.1	
	MT18H02702	113.0	91.8	13.4	59.3	96.1	164.4	
MT110061/OR15-5	MT19_H09_09	96.1	88.1	14.5	59.4	94.7	164.8	
MT110065/07G30T131_3	MT19_H11_04	110.1	92.0	12.5	55.2	95.1	164.6	
MT110065/07G30T131_3	MT19_H11_05	106.2	87.8	12.6	59.4	100.9	165.1	
TRANSIT/X05013-T1	MT20_H092_03	108.9	83.5	13.8	57.8	95.9	164.0	
TRANSIT/X05013-T1	MT20_H092_13	102.7	91.4	15.7	60.0	101.7	164.1	
	Grand Mean	120.2	97.2	11.8	52.4	90.1	161.2	
	LSD	9.3	0.1	0.7	0.9	6.4	1.3	
	C.V.	6.1	0.07	4.6	1.33	5.61	0.64	
	p value	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

2024 SARC Barley Intrastate - Huntley Irrigated Malt Data

Pedigree	Name	Extract	S/T Protein	B Glucan	a Amylase	FAN	DP	S Protein
	Buzz	79.3	47.6	53.7	100.1	223.3	141.6	5.5
	Hockett	77.5	34.4	244.2	61.9	179.0	168.0	4.2
Manley/2B80-350//Merit/2B94-5774	Merit 57	78.1	39.7	98.8	69.9	192.5	148.8	4.5
Haxby/ND24388	MT Boy Howdy	79.0	36.3	155.5	62.8	171.5	88.8	3.9
HOCKETT/ND24388	MT Endurance	79.6	35.6	243.7	57.6	218.0	149.1	4.3
	AAC Synergy	78.8	45.0	70.0	62.4	213.4	139.4	4.9
MT100120xND24388	MT17M01908	77.7	35.5	142.2	60.0	184.7	153.1	3.8
MT124673/Golden Promise	MT19_M080_13	78.3	43.0	118.6	77.8	220.1	127.9	5.1
PINNACLEXMT050187	FHB-2017-59-2	75.3	31.2	278.6	56.4	181.3	159.2	4.1
HOCKETTxMETCALFE	MT17M05808	79.2	44.0	54.5	75.3	208.8	179.4	5.5
MT124113/ND24388	MT18M06008	76.9	38.1	244.9	50.9	217.2	164.0	4.8
MT100120/08AB-31	MT18M10106	77.6	32.7	116.2	61.6	162.5	214.8	3.6
MT124073/Haxby	MT18M11004	74.7	27.6	195.9	64.0	149.3	147.6	3.5
MT124069/2ND280265	MT18M11106	78.2	37.0	40.0	76.9	217.0	178.7	4.4
ND24260/Maris Mink	MT19_M022_10	73.6	36.2	259.0	46.9	177.2	93.2	3.8
MT090190/Baronesse	MT19_M034_16	77.3	40.9	51.3	52.5	158.0	149.0	4.5
Mt124112/Baltster	MT19_M061_19	79.8	43.8	95.0	93.8	229.3	137.7	5.1
MT124112/Larissa	MT19_M064_04	79.7	43.5	35.5	92.3	225.9	153.0	4.9
MT124112/Challice	MT19_M067_02	79.5	42.5	103.5	73.7	221.0	136.0	4.7
MT124134/Shabet	MT19_M095_04	77.4	38.5	128.8	71.0	204.6	140.6	4.6
ND24388/MAJA-6	MT20_M008_04	74.7	37.2	362.6	38.8	182.0	147.9	4.4
MT100120/JULIETTE	MT20_M033_14	77.8	29.7	85.0	60.0	187.0	179.4	3.5
MT124112/HALLA	MT20_M047_16	80.0	42.3	101.0	91.3	204.1	138.3	4.7
MT124128/CHARIOT	MT20_M053_02	79.5	42.4	109.4	82.5	220.3	136.7	4.7
MT124128/Decanter	MT20_M054_05	78.2	43.7	123.5	85.3	231.2	107.8	5.0
MT124134/CLARK	MT20_M062_04	77.7	38.0	298.5	65.6	202.7	131.3	4.5
ND24260/CHARIOT	MT20_M073_12	78.7	40.4	104.8	72.2	199.2	133.6	4.3
MT100120/Growler	MT20_M102_03	77.5	39.7	142.4	78.2	197.5	175.2	4.9
MT124128/09N2-63	MT20_M120_05	78.7	36.6	164.3	61.0	186.5	119.1	4.0
MT16M01405/Lara	MT21_027_01	73.8	24.5	233.3	49.7	152.8	160.1	3.3
MT16M01405/Ev	MT21_030_01	75.9	26.0	129.7	51.0	136.4	96.6	3.2
MT16M02101/WC400	MT21_062_02	74.0	30.0	277.2	58.0	159.1	130.7	3.6
MT16M02201/WC284	MT21_069_02	79.8	39.9	30.5	59.8	164.8	141.2	4.3
2MS143317-025/MT124069	MT21_087_01	76.9	26.8	113.7	47.8	140.6	99.5	3.2
UC1410/MT124112	MT21_094_06	75.4	45.6	219.7	68.3	222.3	155.1	5.7
UC1410/MT124112	MT21_094_08	75.8	40.2	190.0	60.0	199.7	144.3	4.9
BEARPAW/WC212	MT21_100_02	69.6	20.7	450.4	41.4	142.0	107.4	2.7
BEARPAW/WC447	MT21_102_02	77.4	41.6	50.2	66.7	217.6	166.5	4.8
MT16M01801/WC476	MT21_129_01	80.0	35.3	28.7	63.2	155.6	136.2	3.7
BUZZ/PI 175506	MT21_M009_02	77.4	39.6	212.8	73.7	201.3	94.7	4.2
BUZZ/PI 283459	MT21_M011_01	77.4	44.1	54.3	65.2	217.9	157.6	5.1
BUZZ/PI 337142	MT21_M014_04	78.4	34.4	166.8	73.5	214.2	101.8	4.5
BUZZ/PI 399491	MT21_M015_04	78.4	41.9	47.0	78.6	203.4	123.0	4.5
MT16M07706/MT16M00709	MT21_M021_05	77.9	39.7	157.8	84.2	206.4	122.4	4.8
MT16M01801/PI 330398	MT21_M036_01	78.3	35.5	221.5	57.2	198.7	91.0	3.9
MT16M02101/MT16M08502	MT21_M053_06	79.6	37.3	165.0	65.6	187.6	124.7	4.0
MT16M02101/PI 599649	MT21_M064_01	78.5	40.8	135.1	69.7	166.1	133.3	4.4
MT16M02201/PI 428491	MT21_M070_01	79.3	37.9	124.4	69.8	199.0	93.9	3.8
MT16M02204/MT124069	MT21_M072_02	78.6	32.8	148.4	54.6	166.6	205.2	3.8
MT124069/06WA-90	MT21_M089_01	80.2	46.8	140.7	66.3	221.4	128.2	4.9
MT124128/2MS14-3317-01	MT21_M090_04	79.4	41.2	187.8	79.9	200.2	129.1	4.4
BEARPAW/PI592173	MT21_M098_01	78.1	41.5	74.5	69.5	196.7	167.1	4.9
MT16M00209/PI 466726	MT21_M104_05	71.8	25.8	537.6	48.4	171.5	117.8	3.2
Buzz/PI 339889	MT21_M110_02	73.4	40.3	289.4	77.8	207.0	89.1	4.7
BUZZ/Maja	MT21_M113_02	76.3	42.4	160.3	61.7	177.9	131.6	4.9
BUZZ/PI 614939	MT21_M115_01	80.2	38.7	32.1	81.5	222.4	123.8	4.3
MT16M00709/PI 428499	MT21_M126_03	76.9	31.0	123.0	55.4	139.3	136.7	3.3
	Havener	68.4	40.8	792.0	23.6	168.1	77.9	5.1
MT110065/09WA215.12	MT18H02702	65.8	35.8	621.0	34.3	159.5	102.3	4.9
MT110061/OR15-5	MT19_H09_09	65.1	24.3	1456.4	43.8	134.5	112.5	3.6
MT110065/07G30T131_3	MT19_H11_04	68.2	30.7	710.2	47.8	166.9	99.8	4.1
MT110065/07G30T131_3	MT19_H11_05	71.4	39.4	672.4	56.2	182.3	101.5	5.3
TRANSIT/X05013-T1	MT20_H092_03	67.0	25.1	899.9	39.6	137.1	113.5	3.5
TRANSIT/X05013-T1	MT20_H092_13	61.4	21.1	1567.3	35.6	110.3	128.0	3.3
	Grand Mean	76.3	36.9	244.4	63.8	187.7	134.1	4.3
	LSD							
	C.V.	5.4	17.5	121.1	24.1	15.4	21.5	15.6
	p value							

2024 EARC Barley Intrastate - Sidney Irrigated Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Lodging
Manley/2B80-350//Merit/2B94-5774 Haxby/ND24388	Buzz	133.8	94.1	11.2	56.5	91.4		1
	Hockett	128.4	88.1	12.3	56.7	94.3		5
	Merit 57	138.4	78.2	12.2	55.0	93.8		6
	MT Boy Howdy	146.3	90.1	10.4	56.3	101.6		0
HOCKETT/ND24388	MT Endurance	125.2	92.7	12.2	55.2	98.7		2
MT100120xND24388	AAC Synergy	124.1	84.6	12.3	55.3	101.1		0
	MT17M01908	126.7	93.5	11.3	56.1	97.6		2
MT124673/Golden Promise	MT19_M080_13	136.2	93.5	11.4	55.3	88.4		0
PINNACLEXTM050187	FHB-2017-59-2	134.3	92.6	12.5	58.1	96.4		0
HOCKETT/METCALFE	MT17M05808	116.8	90.1	12.4	55.7	96.8		7
MT124113/ND24388	MT18M06008	122.4	90.5	11.6	56.2	87.6		3
MT100120/08AB-31	MT18M10106	137.6	91.9	10.7	56.5	99.7		1
MT124073/Haxby	MT18M11004	136.1	84.7	12.0	56.3	95.0		0
MT124069/2ND280265	MT18M11106	124.3	92.0	11.2	56.5	97.5		0
ND24260/Maris Mink	MT19_M022_10	111.7	73.2	11.9	52.5	82.6		6
MT090190/Baronesse	MT19_M034_16	153.2	89.7	11.5	56.5	93.3		0
Mt124112/Baltster	MT19_M061_19	131.9	91.7	11.4	55.5	97.7		1
MT124112/Larrissa	MT19_M064_04	132.5	87.0	11.2	54.9	94.7		17
MT124112/Chalice	MT19_M067_02	122.8	94.8	11.1	55.9	89.9		1
MT124134/Shabet	MT19_M095_04	130.7	91.2	11.2	57.1	87.0		0
ND24388/MAJA-6	MT20_M008_04	126.9	92.6	11.1	55.6	95.8		2
MT100120/JULIETTE	MT20_M033_14	135.4	91.4	11.5	55.5	96.2		0
MT124112/HALLA	MT20_M047_16	137.1	95.1	10.9	56.7	89.2		0
MT124128/CHARIOT	MT20_M053_02	121.0	78.5	12.3	54.7	96.8		8
MT124128/Decanter	MT20_M054_05	121.6	93.9	11.3	56.8	87.1		0
MT124134/CLARK	MT20_M062_04	130.3	92.2	11.2	57.9	80.8		0
ND24260/CHARIOT	MT20_M073_12	123.1	76.4	11.1	54.6	79.7		0
MT100120/Growler	MT20_M102_03	136.6	89.9	11.4	54.6	99.0		1
MT124128/09N2-63	MT20_M120_05	137.3	93.4	10.8	56.0	94.4		2
MT16M01405/Lara	MT21_027_01	137.2	90.8	13.4	56.4	96.9		0
MT16M01405/Ev	MT21_030_01	147.0	90.7	12.0	57.6	98.6		0
MT16M02101/WC400	MT21_062_02	129.5	91.4	12.9	54.9	97.0		7
MT16M02201/WC284	MT21_069_02	130.4	84.1	11.3	53.0	80.9		0
2MS143317-025/MT124069	MT21_087_01	136.1	91.0	11.9	57.3	100.7		0
UC1410/MT124112	MT21_094_06	127.9	89.0	12.1	55.3	95.4		5
UC1410/MT124112	MT21_094_08	118.8	72.3	12.3	54.1	96.0		41
BEARPAW/WC212	MT21_100_02	131.1	93.9	13.9	55.4	96.8		9
BEARPAW/WC447	MT21_102_02	119.7	81.0	13.7	55.8	95.0		20
MT16M01801/WC476	MT21_129_01	132.0	85.2	11.3	53.4	78.1		0
BUZZ/PI 175506	MT21_M009_02	125.8	86.8	10.9	56.6	101.1		2
BUZZ/PI 283459	MT21_M011_01	118.7	91.5	11.4	56.7	91.1		0
BUZZ/PI 337142	MT21_M014_04	124.8	85.5	11.1	56.4	89.3		2
BUZZ/PI 399491	MT21_M015_04	122.0	74.6	10.8	54.5	91.1		8
MT16M07706/MT16M00709	MT21_M021_05	132.2	79.9	12.2	54.3	100.1		19
MT16M01801/PI 330398	MT21_M036_01	137.7	94.1	10.9	56.4	91.1		0
MT16M02101/MT16M08502	MT21_M053_06	119.7	83.1	11.7	50.4	101.4		57
MT16M02101/PI 599649	MT21_M064_01	129.2	81.5	10.6	53.2	96.9		6
MT16M02201/PI 428491	MT21_M070_01	134.7	93.9	10.6	54.3	94.1		0
MT16M02204/MT124069	MT21_M072_02	110.8	71.9	11.7	51.3	97.7		35
MT124069/06WA-90	MT21_M089_01	143.3	87.3	10.9	56.2	93.1		2
MT124128/2MS14-3317-01	MT21_M090_04	124.1	92.2	10.8	56.6	87.0		0
BEARPAW/PI592173	MT21_M098_01	129.0	92.0	12.4	55.1	101.9		26
MT16M00209/PI 466726	MT21_M104_05	131.9	94.3	11.6	54.6	91.9		0
Buzz/PI 339889	MT21_M110_02	127.3	89.3	11.9	56.1	96.6		2
BUZZ/Maja	MT21_M113_02	124.5	77.9	11.7	54.6	92.2		25
BUZZ/PI 614939	MT21_M115_01	121.9	86.7	11.7	53.3	99.1		41
MT16M00709/PI 428499	MT21_M126_03	124.4	83.7	12.0	53.8	101.0		68
MT110065/09WA215.12	Havener	123.1	74.1	12.5	65.2	98.9		6
	MT18H02702	114.2	77.7	13.7	63.9	102.7		3
MT110061/OR15-5	MT19_H09_09	96.0	59.0	15.4	62.8	104.5		29
MT110065/07G30T131_3	MT19_H11_04	97.9	70.4	14.6	63.2	106.2		1
MT110065/07G30T131_3	MT19_H11_05	103.6	62.9	13.5	61.9	100.6		0
TRANSIT/X05013-T1	MT20_H092_03	94.3	53.4	13.9	60.1	97.3		0
TRANSIT/X05013-T1	MT20_H092_13	97.6	70.5	15.2	61.9	104.0		1
	Grand Mean	126.6	85.5	11.9	56.2	94.9		7.2
	LSD	7.9	3.8	0.4	0.7	3.8		12
	C.V.	5.0	3.5	2.7	1.0	3.2		126.9
	p value	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001

2024 Barley EYT - Dryland (Havre + Moccasin + Sidney) Average Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	75.4	91.5	11.0	54.6	64.4		
	Hockett	77.5	84.6	12.5	54.7	64.3		
Manley/2B80-350//Merit/2B94-5774	Merit 57	78.9	75.5	12.0	52.3	66.8		
Haxby/ND24388	MT Boy Howdy	88.7	87.3	10.6	54.7	69.6		
HOCKETT/ND24388	MT Endurance	75.9	85.7	11.9	54.4	68.6		
MT16M00707/Buzz	MT22_M022_07	80.9	88.2	11.4	54.0	68.1		
MT16M01705/MT16M00707	MT22_M025_02	83.6	88.9	10.7	54.5	65.3		
MT16M01801/BONUS	MT22_M028_01	78.6	84.1	11.2	53.6	68.4		
MT16M01801/MT16M01902	MT22_M029_01	86.3	89.2	11.2	53.8	70.2		
MT16M01801/MT16M02106	MT22_M030_20	81.5	85.7	11.1	54.8	67.9		
MT16M01801/RUBIN	MT22_M032_08	82.0	87.5	12.1	54.4	71.4		
MT16M01901/ATLAS	MT22_M033_14	76.9	92.8	11.1	54.0	66.0		
MT16M01901/BONUS	MT22_M034_01	73.1	87.1	11.2	53.8	67.0		
MT16M01901/DIAMANT	MT22_M035_04	68.9	81.4	11.8	52.9	66.6		
MT16M01901/SAFIR	MT22_M039_01	70.8	90.3	12.0	54.1	66.4		
MT16M01901/SAFIR	MT22_M039_09	72.8	91.5	12.2	54.1	67.1		
MT16M01901/SUMMIT	MT22_M040_01	68.8	91.9	11.0	55.3	64.8		
MT16M01901/SUMMIT	MT22_M040_12	71.2	90.0	12.0	53.1	69.1		
MT16M06404/BUTTE 12/MT124027	MT22_M051_10	78.2	82.2	12.1	52.3	61.0		
BUZZ/ALEXIS	MT22_M054_01	75.8	92.1	10.6	55.1	66.4		
BUZZ/ATLAS	MT22_M055_01	71.8	90.5	11.6	54.4	66.5		
BUZZ/ATLAS	MT22_M055_03	70.0	92.4	12.0	54.8	67.6		
Buzz/B9	MT22_M056_08	70.7	88.4	11.6	54.3	66.9		
Buzz/B9	MT22_M056_12	78.0	91.5	11.5	54.6	62.5		
Buzz/B9	MT22_M056_15	75.2	94.1	11.7	54.5	64.7		
BUZZ/BONUS	MT22_M057_09	61.4	89.7	11.7	55.2	67.1		
BUZZ/GERKRA	MT22_M058_03	72.9	89.0	11.0	54.0	63.2		
BUZZ/GERKRA	MT22_M058_07	75.9	81.5	11.4	53.7	65.3		
Buzz/H502	MT22_M059_12	68.3	93.7	11.2	55.3	65.2		
BUZZ/TOTEM	MT22_M066_01	68.2	85.3	10.9	53.3	62.6		
MT128/148-50/Buzz	MT22_M078_10	70.8	87.0	11.6	54.4	62.5		
MT128/148-50/Buzz	MT22_M078_14	80.9	87.1	10.9	54.0	65.5		
MT16M08502/PI599649	MT22_M096_03	77.8	92.3	11.7	53.7	64.3		
MT16M08806/BUZZ	MT22_M097_01	82.3	92.2	10.9	54.3	61.5		
MT128/148-95/MT16M06404	MT22_Y021_05	81.7	86.7	12.3	54.3	69.2		
MT128/148-95/MT16M06404	MT22_Y021_10	73.0	89.1	12.8	53.8	69.6		
MT16M00707/RUBIN	MT22_Y023_07	75.3	87.1	13.0	53.3	63.7		
MT16M01704/DIAMANT	MT22_Y024_09	79.4	70.2	12.6	54.3	57.8		
MT16M01705/SUMMIT	MT22_Y027_13	76.7	87.0	13.4	54.4	67.8		
MT16M01901/HALLIKO	MT22_Y038_04	74.5	93.8	12.7	54.3	66.1		
MT16M01901/SAFIR	MT22_Y039_10	75.3	72.8	12.9	54.7	61.8		
MT16M01901/TOTEM	MT22_Y041_16	74.6	88.2	12.8	55.2	61.8		
MT16M01901/UC1410/BUZZ	MT22_Y042_15	71.5	94.8	11.3	54.4	66.8		
MT16M02106/JAREK	MT22_Y044_14	76.7	85.3	12.2	54.3	66.7		
MT16M02106/JAREK	MT22_Y044_16	66.9	83.7	13.2	54.6	73.5		
MT16M02106/KRASSI	MT22_Y045_12	73.5	83.6	13.3	54.9	65.3		
MT16M02106/MAYJAR	MT22_Y046_01	68.8	81.3	13.4	54.5	65.1		
MT16M02106/MT16M01705	MT22_Y047_02	80.1	88.4	12.2	55.4	61.3		
PI094790/MT16M02106	MT22_Y048_13	78.6	91.8	/	54.0	62.2		
MT16M06404/MT16M01801	MT22_Y052_07	73.6	93.2	12.1	55.6	64.5		
BUZZ/ALEXIS	MT22_Y054_13	68.8	87.8	12.9	55.3	65.7		
BUZZ/HALLIKO	MT22_Y060_14	73.1	92.0	12.8	55.1	66.0		
BUZZ/HORAL	MT22_Y061_05	63.6	84.0	13.2	54.8	68.0		
BUZZ/KRASSI	MT22_Y062_16	72.6	77.4	13.0	53.6	70.3		
BUZZ/MAKO MAKO	MT22_Y063_06	71.5	76.3	13.0	53.3	67.9		
Buzz/Rubin	MT22_Y064_05	75.5	80.4	12.4	54.9	68.8		
BUZZ/SUMMIT	MT22_Y065_05	70.5	90.7	13.0	54.4	59.4		
BUZZ/SUMMIT	MT22_Y065_06	78.4	84.9	12.7	53.7	64.9		
Bearpaw/Haisa	MT22_Y075_07	74.3	83.0	12.7	55.0	71.6		
Bearpaw/PI357314	MT22_Y077_15	79.7	87.4	12.9	54.2	69.0		
MT16M01812/PI599649	MT22_Y095_10	71.2	95.0	12.9	55.4	68.7		
MT16M01812/PI599649	MT22_Y095_11	68.7	92.7	12.9	55.2	65.8		
MT16M08502/PI599649	MT22_Y096_07	72.2	94.7	13.0	55.0	71.2		
PI467412/Amulet	MT22_Y099_15	66.1	95.2	13.2	55.4	69.2		
	Grand Mean	74.6	87.5	12.1	54.3	66.2		
	LSD	5.1	3.9	0.4	0.6	2.9		
	C.V.	8.79	5.67	4.69	1.49	5.72		
	p Value	<0.001	<0.001	<0.001	<0.001	<0.001		

2024 NARC Barley EYT - Havre Dryland Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	77.7	98.0	10.7	52.1	67.2	173.4	205.5
	Hockett	84.3	94.3	12.5	52.4	68.7	173.8	205.2
Manley/2B80-350//Merit/2B94-5774	Merit 57	80.7	74.5	12.0	47.1	67.8	180.2	205.9
Haxby/ND24388	MT Boy Howdy	93.8	94.3	10.5	51.3	72.6	176.4	205.6
HOCKETT/ND24388	MT Endurance	75.4	97.9	11.9	50.6	67.7	173.4	205.6
MT16M00707/Buzz	MT22_M022_07	86.8	95.6	11.1	50.5	65.8	176.1	206.3
MT16M01705/MT16M00707	MT22_M025_02	89.1	94.5	10.5	51.9	66.3	172.6	205.2
MT16M01801/BONUS	MT22_M028_01	82.1	94.3	10.9	50.4	68.1	174.2	203.8
MT16M01801/MT16M01902	MT22_M029_01	94.5	96.9	11.1	50.6	71.9	174.4	205.2
MT16M01801/MT16M02106	MT22_M030_20	89.5	97.4	11.3	51.7	73.5	171.5	205.4
MT16M01801/RUBIN	MT22_M032_08	89.3	94.1	11.9	51.2	75.2	175.8	204.0
MT16M01901/ATLAS	MT22_M033_14	74.4	97.0	10.8	50.7	67.2	175.4	205.0
MT16M01901/BONUS	MT22_M034_01	68.9	92.4	10.8	49.9	67.9	177.0	205.2
MT16M01901/DIAMANT	MT22_M035_04	63.2	89.5	11.6	49.3	74.2	177.1	206.5
MT16M01901/SAFIR	MT22_M039_01	75.7	97.3	11.9	51.2	70.9	173.9	206.0
MT16M01901/SAFIR	MT22_M039_09	70.9	98.5	12.1	51.2	68.7	171.9	205.0
MT16M01901/SUMMIT	MT22_M040_01	68.4	97.0	10.6	52.5	67.2	177.0	205.6
MT16M01901/SUMMIT	MT22_M040_12	76.7	91.6	12.2	49.5	70.9	177.9	205.4
MT16M06404/BUITTE 12/MT124027	MT22_M051_10	83.5	89.5	11.5	48.4	63.9	179.2	205.7
BUZZ/ALEXIS	MT22_M054_01	74.5	97.4	10.5	51.9	70.7	175.1	205.8
BUZZ/ATLAS	MT22_M055_01	70.0	96.8	11.2	51.6	68.6	177.1	207.5
BUZZ/ATLAS	MT22_M055_03	74.4	96.7	12.0	50.8	70.6	175.4	205.0
Buzz/B9	MT22_M056_08	69.5	97.8	11.2	51.8	66.6	177.0	206.1
Buzz/B9	MT22_M056_12	80.6	98.3	11.2	51.7	66.7	175.0	206.2
Buzz/B9	MT22_M056_15	78.8	98.6	11.5	50.4	68.5	175.2	204.4
BUZZ/BONUS	MT22_M057_09	60.9	95.4	12.0	52.9	69.3	173.9	205.7
BUZZ/GERKRA	MT22_M058_03	79.3	97.7	10.7	51.6	66.2	174.2	205.9
BUZZ/GERKRA	MT22_M058_07	76.4	97.2	10.6	51.6	69.7	175.5	204.7
Buzz/H502	MT22_M059_12	69.2	97.5	11.1	52.3	66.6	174.2	205.9
BUZZ/TOTEM	MT22_M066_01	63.8	95.7	11.2	50.9	67.8	174.6	206.2
MT128/148-50/Buzz	MT22_M078_10	78.3	96.2	11.4	52.6	65.0	173.2	205.7
MT128/148-50/Buzz	MT22_M078_14	88.6	95.4	10.3	51.4	65.6	178.6	205.5
MT16M08502/PI599649	MT22_M096_03	85.2	97.6	11.4	50.0	68.4	177.1	205.7
MT16M08806/BUZZ	MT22_M097_01	79.7	98.3	10.7	52.0	63.3	170.5	206.3
MT128/148-95/MT16M06404	MT22_Y021_05	92.4	93.0	12.1	51.3	73.3	178.8	204.3
MT128/148-95/MT16M06404	MT22_Y021_10	71.9	91.1	13.1	49.9	69.0	178.6	204.9
MT16M00707/RUBIN	MT22_Y023_07	70.3	88.1	13.0	48.5	63.1	181.1	205.0
MT16M01704/DIAMANT	MT22_Y024_09	88.0	72.1	12.4	51.6	65.8	178.9	205.6
MT16M01705/SUMMIT	MT22_Y027_13	85.1	97.4	13.2	53.3	72.5	171.4	202.5
MT16M01901/HALLIKO	MT22_Y038_04	70.8	98.4	12.3	51.7	67.4	173.6	203.4
MT16M01901/SAFIR	MT22_Y039_10	82.6	72.9	12.1	51.4	63.5	179.1	204.0
MT16M01901/TOTEM	MT22_Y041_16	67.6	94.8	12.8	52.8	66.6	175.7	205.7
MT16M01901/UC1410/BUZZ	MT22_Y042_15	76.0	99.5	11.2	51.8	70.8	174.1	206.2
MT16M02106/JAREK	MT22_Y044_14	82.6	95.4	11.9	50.5	70.6	176.6	204.3
MT16M02106/JAREK	MT22_Y044_16	69.9	93.8	13.0	50.5	78.0	176.0	205.6
MT16M02106/KRASSI	MT22_Y045_12	79.5	98.4	13.3	52.5	71.6	172.0	201.9
MT16M02106/MAYJAR	MT22_Y046_01	73.2	93.0	13.4	51.3	69.1	174.8	202.0
MT16M02106/MT16M01705	MT22_Y047_02	82.0	97.0	12.1	53.0	65.4	170.4	203.7
PI094790/MT16M02106	MT22_Y048_13	88.1	97.4	/	51.6	64.1	170.4	203.3
MT16M06404/MT16M01801	MT22_Y052_07	73.9	96.5	12.4	52.9	69.2	173.0	204.9
BUZZ/ALEXIS	MT22_Y054_13	73.6	97.7	12.7	52.9	67.2	178.4	205.8
BUZZ/HALLIKO	MT22_Y060_14	71.3	98.1	12.8	52.6	68.7	175.1	204.6
BUZZ/HORAL	MT22_Y061_05	60.1	90.1	12.8	51.9	74.2	177.8	205.7
BUZZ/KRASSI	MT22_Y062_16	78.1	76.8	12.4	49.8	70.5	179.9	205.0
BUZZ/MAKO MAKO	MT22_Y063_06	70.7	72.8	13.1	50.6	67.6	178.0	205.5
Buzz/Rubin	MT22_Y064_05	78.3	81.0	12.3	51.8	68.6	179.5	205.2
BUZZ/SUMMIT	MT22_Y065_05	74.2	98.2	12.6	53.0	62.8	176.9	205.2
BUZZ/SUMMIT	MT22_Y065_06	83.0	92.3	12.5	51.3	67.2	178.8	204.3
Bearpaw/Haisa	MT22_Y075_07	78.6	92.0	12.5	52.6	73.8	177.9	204.9
Bearpaw/PI357314	MT22_Y077_15	86.7	92.9	12.9	51.1	68.0	175.1	201.9
MT16M01812/PI599649	MT22_Y095_10	68.9	96.2	13.4	51.7	68.0	176.9	206.3
MT16M01812/PI599649	MT22_Y095_11	71.7	98.7	12.9	52.7	73.8	174.7	205.6
MT16M08502/PI599649	MT22_Y096_07	75.6	99.4	13.1	52.0	74.4	171.8	203.5
PI467412/Amulet	MT22_Y099_15	67.1	98.8	13.4	52.7	73.3	173.0	203.1
	Grand Mean	77.3	93.8	11.9	51.4	68.9	175.6	205.0
	LSD	5.3	1.8	0.6	0.4	3.5	1.6	0.9
	C.V.	5.49	1.52	3.58	0.58	4.08	0.72	0.37
	p Value	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

2024 CARC Barley EYT - Moccasin Dryland Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	49.2	76.4		53.9	57.8		
	Hockett	45.1	66.0		53.3	57.0		
Manley/2B80-350//Merit/2B94-5774	Merit 57	49.6	56.7		52.2	57.9		
Haxby/ND24388	MT Boy Howdy	57.3	73.4		54.8	55.4		
HOCKETT/ND24388	MT Endurance	55.3	62.8		54.0	62.2		
MT16M00707/Buzz	MT22_M022_07	46.0	78.3		54.4	60.3		
MT16M01705/MT16M00707	MT22_M025_02	49.9	79.8		54.3	55.2		
MT16M01801/BONUS	MT22_M028_01	41.8	64.7		53.3	60.0		
MT16M01801/MT16M01902	MT22_M029_01	52.0	70.7		53.1	59.8		
MT16M01801/MT16M02106	MT22_M030_20	47.8	64.7		54.3	58.1		
MT16M01801/RUBIN	MT22_M032_08	52.1	67.7		53.8	62.0		
MT16M01901/ATLAS	MT22_M033_14	57.6	88.4		53.8	58.9		
MT16M01901/BONUS	MT22_M034_01	50.1	73.4		53.8	57.4		
MT16M01901/DIAMANT	MT22_M035_04	48.4	63.9		52.4	56.9		
MT16M01901/SAFIR	MT22_M039_01	51.6	79.3		54.1	56.4		
MT16M01901/SAFIR	MT22_M039_09	48.1	80.5		53.5	57.0		
MT16M01901/SUMMIT	MT22_M040_01	47.8	80.9		55.0	56.8		
MT16M01901/SUMMIT	MT22_M040_12	42.5	79.2		52.3	58.5		
MT16M06404/BUITTE 12/MT124027	MT22_M051_10	48.9	68.9		52.6	53.2		
BUZZ/ALEXIS	MT22_M054_01	49.8	75.1		54.7	56.8		
BUZZ/ATLAS	MT22_M055_01	54.3	77.3		54.3	57.8		
BUZZ/ATLAS	MT22_M055_03	47.7	87.6		55.5	60.3		
Buzz/B9	MT22_M056_08	53.4	78.2		53.8	58.4		
Buzz/B9	MT22_M056_12	48.6	80.4		53.6	52.0		
Buzz/B9	MT22_M056_15	54.8	89.1		55.2	53.9		
BUZZ/BONUS	MT22_M057_09	45.6	76.2		54.8	58.3		
BUZZ/GERKRA	MT22_M058_03	42.3	74.3		52.7	55.1		
BUZZ/GERKRA	MT22_M058_07	54.4	52.8		52.4	54.9		
Buzz/H502	MT22_M059_12	47.1	81.6		54.7	57.5		
BUZZ/TOTEM	MT22_M066_01	48.6	65.6		52.2	53.2		
MT128/148-50/Buzz	MT22_M078_10	52.3	72.8		53.1	55.9		
MT128/148-50/Buzz	MT22_M078_14	47.1	69.7		52.4	59.9		
MT16M08502/PI599649	MT22_M096_03	49.0	84.1		54.3	54.7		
MT16M08806/BUZZ	MT22_M097_01	61.1	79.5		52.5	51.7		
MT128/148-95/MT16M06404	MT22_Y021_05	55.5	71.2		54.2	57.2		
MT128/148-95/MT16M06404	MT22_Y021_10	48.7	76.8		53.8	60.8		
MT16M00707/RUBIN	MT22_Y023_07	47.2	77.2		54.4	53.4		
MT16M01704/DIAMANT	MT22_Y024_09	48.1	48.8		53.8	48.8		
MT16M01705/SUMMIT	MT22_Y027_13	53.6	77.4		53.3	57.5		
MT16M01901/HALLIKO	MT22_Y038_04	55.0	84.2		53.4	54.6		
MT16M01901/SAFIR	MT22_Y039_10	44.8	54.3		55.1	54.3		
MT16M01901/TOTEM	MT22_Y041_16	65.2	75.6		54.6	53.7		
MT16M01901/UC1410/BUZZ	MT22_Y042_15	45.4	88.5		53.7	55.3		
MT16M02106/JAREK	MT22_Y044_14	48.1	63.2		55.0	56.6		
MT16M02106/JAREK	MT22_Y044_16	43.1	63.3		56.0	63.2		
MT16M02106/KRASSI	MT22_Y045_12	46.7	62.6		54.6	51.1		
MT16M02106/MAYJAR	MT22_Y046_01	48.5	60.4		55.2	55.0		
MT16M02106/MT16M01705	MT22_Y047_02	53.9	69.1		54.4	51.3		
PI094790/MT16M02106	MT22_Y048_13	48.9	79.9		53.2	50.2		
MT16M06404/MT16M01801	MT22_Y052_07	57.5	84.7		55.2	54.0		
BUZZ/ALEXIS	MT22_Y054_13	44.9	71.2		55.1	58.6		
BUZZ/HALLIKO	MT22_Y060_14	58.4	81.8		54.6	59.0		
BUZZ/HORAL	MT22_Y061_05	43.6	68.9		55.0	56.1		
BUZZ/KRASSI	MT22_Y062_16	48.8	65.3		54.9	63.3		
BUZZ/MAKO MAKO	MT22_Y063_06	54.4	65.6		53.3	61.2		
Buzz/Rubin	MT22_Y064_05	45.3	64.7		53.5	59.2		
BUZZ/SUMMIT	MT22_Y065_05	44.3	81.1		52.6	49.9		
BUZZ/SUMMIT	MT22_Y065_06	53.2	66.5		51.8	57.4		
Bearpaw/Haisa	MT22_Y075_07	50.8	62.1		53.5	64.3		
Bearpaw/PI357314	MT22_Y077_15	54.8	72.6		54.3	63.2		
MT16M01812/PI599649	MT22_Y095_10	55.8	87.7		55.8	60.8		
MT16M01812/PI599649	MT22_Y095_11	47.0	82.8		55.1	57.0		
MT16M08502/PI599649	MT22_Y096_07	52.1	92.2		55.3	61.0		
PI467412/Amulet	MT22_Y099_15	45.8	91.6		55.1	58.0		
	Grand Mean	50.1	73.6		54.0	57.0		
	LSD	9.1	6.5		1.2	4.5		
	C.V.	14.61	7.2		1.79	6.05		
	p Value	0.13	<0.001		<0.001	<0.001		

2024 SARC Barley EYT - Huntley Irrigated Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	108.4	99.1	11.5	51.5	88.0	159.3	5.0
	Hockett	116.1	99.0	12.5	52.6	90.6	161.4	33.9
Manley/2B80-350//Merit/2B94-5774	Merit 57	121.9	98.1	12.1	50.1	89.5	160.8	25.4
Haxby/ND24388	MT Boy Howdy	91.7	99.3	10.8	51.9	91.9	160.7	11.5
HOCKETT/ND24388	MT Endurance	103.9	99.4	12.7	50.3	90.2	159.4	24.9
MT16M00707/Buzz	MT22_M022_07	120.7	99.2	11.3	51.5	95.7	160.1	12.6
MT16M01705/MT16M00707	MT22_M025_02	107.7	97.6	10.9	51.2	90.1	159.4	33.9
MT16M01801/BONUS	MT22_M028_01	115.3	98.2	11.9	50.4	93.2	159.7	12.3
MT16M01801/MT16M01902	MT22_M029_01	126.8	98.9	11.3	50.9	96.2	159.4	3.9
MT16M01801/MT16M02106	MT22_M030_20	105.9	98.0	11.9	50.7	94.0	157.8	14.1
MT16M01801/RUBIN	MT22_M032_08	99.8	98.1	12.7	50.6	92.2	162.0	13.4
MT16M01901/ATLAS	MT22_M033_14	97.4	98.6	12.0	50.7	86.7	157.6	17.6
MT16M01901/BONUS	MT22_M034_01	117.8	98.5	11.8	51.3	92.6	159.9	17.7
MT16M01901/DIAMANT	MT22_M035_04	102.5	97.8	12.1	50.8	91.0	159.9	22.6
MT16M01901/SAFIR	MT22_M039_01	99.2	98.0	12.0	50.6	89.0	158.6	11.8
MT16M01901/SAFIR	MT22_M039_09	90.1	99.0	13.8	50.0	93.8	157.5	29.0
MT16M01901/SUMMIT	MT22_M040_01	100.3	98.6	11.6	51.8	95.2	157.9	6.5
MT16M01901/SUMMIT	MT22_M040_12	113.7	97.9	12.3	51.0	89.0	160.5	2.9
MT16M06404/BUTTE 12/MT124027	MT22_M051_10	117.7	98.0	11.4	50.7	77.9	164.1	40.3
BUZZ/ALEXIS	MT22_M054_01	99.7	99.4	11.4	51.9	92.8	159.6	15.2
BUZZ/ATLAS	MT22_M055_01	100.7	97.9	12.7	51.3	85.9	161.1	8.1
BUZZ/ATLAS	MT22_M055_03	99.4	99.0	11.9	51.2	91.5	158.3	2.0
Buzz/B9	MT22_M056_08	100.5	99.0	11.9	50.9	94.1	160.5	11.1
Buzz/B9	MT22_M056_12	113.3	98.5	11.7	51.5	86.6	159.7	7.4
Buzz/B9	MT22_M056_15	113.8	99.0	12.7	50.0	91.1	160.8	17.9
BUZZ/BONUS	MT22_M057_09	87.6	98.4	11.8	51.6	97.3	158.9	1.3
BUZZ/GERKRA	MT22_M058_03	104.3	98.9	13.4	51.0	93.0	159.7	15.8
BUZZ/GERKRA	MT22_M058_07	102.0	99.2	11.4	50.3	87.6	160.3	15.6
Buzz/H502	MT22_M059_12	91.3	98.9	11.8	52.0	84.8	157.9	5.1
BUZZ/TOTEM	MT22_M066_01	113.3	98.6	11.0	50.8	87.3	159.4	5.0
MT128/148-50/Buzz	MT22_M078_10	106.0	97.6	11.8	52.2	87.5	159.1	0.5
MT128/148-50/Buzz	MT22_M078_14	111.7	99.4	10.9	51.2	85.1	159.6	17.0
MT16M08502/PI599649	MT22_M096_03	112.3	99.7	12.0	50.6	89.1	159.9	26.7
MT16M08806/BUZZ	MT22_M097_01	101.4	98.9	11.7	51.9	83.0	157.8	7.1
MT128/148-95/MT16M06404	MT22_Y021_05	106.5	99.1	12.5	51.1	88.6	161.4	40.3
MT128/148-95/MT16M06404	MT22_Y021_10	110.8	97.8	13.5	51.4	89.6	161.9	17.5
MT16M00707/RUBIN	MT22_Y023_07	126.6	98.1	13.0	51.4	84.4	163.2	11.2
MT16M01704/DIAMANT	MT22_Y024_09	127.3	95.1	12.0	50.8	78.6	161.0	40.3
MT16M01705/SUMMIT	MT22_Y027_13	99.8	97.4	14.2	52.1	95.6	157.8	28.4
MT16M01901/HALLIKO	MT22_Y038_04	103.7	96.7	14.2	50.9	94.7	160.7	18.0
MT16M01901/SAFIR	MT22_Y039_10	117.7	96.2	13.2	52.3	80.4	162.4	22.3
MT16M01901/TOTEM	MT22_Y041_16	97.6	98.7	13.7	52.6	91.0	159.6	20.1
MT16M01901/UC1410/BUZZ	MT22_Y042_15	106.7	99.1	11.8	51.2	88.5	160.0	6.3
MT16M02106/JAREK	MT22_Y044_14	106.8	99.3	12.5	50.5	89.3	160.2	15.6
MT16M02106/JAREK	MT22_Y044_16	93.7	98.7	14.1	50.2	97.0	161.8	33.4
MT16M02106/KRASSI	MT22_Y045_12	94.5	98.4	14.2	51.8	91.9	158.9	36.9
MT16M02106/MAYJAR	MT22_Y046_01	102.3	98.0	13.8	49.8	87.2	158.1	36.6
MT16M02106/MT16M01705	MT22_Y047_02	106.5	98.9	12.6	52.3	90.7	158.7	28.8
PI094790/MT16M02106	MT22_Y048_13	91.3	98.7	14.1	50.9	97.4	157.6	37.1
MT16M06404/MT16M01801	MT22_Y052_07	99.3	98.1	13.5	52.7	90.8	158.2	28.8
BUZZ/ALEXIS	MT22_Y054_13	97.4	98.4	14.0	52.1	92.5	162.1	8.5
BUZZ/HALLIKO	MT22_Y060_14	92.4	99.0	13.6	51.9	87.7	159.1	22.1
BUZZ/HORAL	MT22_Y061_05	93.0	98.0	13.7	50.7	88.6	160.2	21.8
BUZZ/KRASSI	MT22_Y062_16	102.7	97.5	13.5	51.3	94.3	160.4	18.8
BUZZ/MAKO MAKO	MT22_Y063_06	110.0	99.1	13.1	51.4	93.4	161.3	25.2
Buzz/Rubin	MT22_Y064_05	110.0	96.6	13.4	51.4	91.3	161.9	35.9
BUZZ/SUMMIT	MT22_Y065_05	93.5	99.4	13.1	52.4	91.8	159.5	30.5
BUZZ/SUMMIT	MT22_Y065_06	116.0	96.6	12.7	50.8	87.0	160.6	36.8
Bearpaw/Haisa	MT22_Y075_07	100.4	98.7	13.2	51.4	94.3	160.2	28.6
Bearpaw/PI357314	MT22_Y077_15	119.9	98.1	13.6	51.8	92.1	159.7	11.6
MT16M01812/PI599649	MT22_Y095_10	103.1	99.5	12.8	51.1	91.4	159.6	15.2
MT16M01812/PI599649	MT22_Y095_11	97.4	99.8	13.9	50.9	90.6	160.0	35.2
MT16M08502/PI599649	MT22_Y096_07	99.5	98.5	14.5	50.3	97.4	159.1	32.7
PI467412/Amulet	MT22_Y099_15	99.1	99.9	14.6	52.5	97.6	159.0	29.5
	Grand Mean	105.3	98.4	12.6	51.2	90.5	159.9	19.8
	LSD	12.0	1.4	0.8	0.7	5.6	1.9	17.2
	C.V.	8.99	1.09	4.71	1.04	4.65	0.89	66.51
	p Value	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

2024 SARC Barley EYT - Huntley Irrigated Malt Quality Data

Pedigree	Name	Extract	S/T Protein	B Glucan	a Amylase	FAN	DP	S Protein	
	Buzz	79	43.1	55.4	96.7	222.1	161.5	4.9	
	Hockett	77.5	31.3	151.9	58.6	168.6	160.5	3.9	
Manley/2B80-350//Merit/2B94-5774	Merit 57	75.2	33.6	145.7	53.1	199.9	168	3.9	
	Haxby/ND24388	MT Boy Howdy	77.6	31.8	189.1	56.7	161.7	87.7	3.3
	HOCKETT/ND24388	MT Endurance	77.8	37.1	233.4	53.8	195.2	138.2	4.8
	MT16M00707/Buzz	MT22_M022_07	78.1	41.1	74.8	71.4	190.9	159.8	4.6
	MT16M01705/MT16M00707	MT22_M025_02	76.5	32.7	162.3	51.2	177.3	136.8	3.6
	MT16M01801/BONUS	MT22_M028_01	77.3	32.1	75.3	46	183.9	141.9	3.6
	MT16M01801/MT16M01902	MT22_M029_01	76.5	39.4	170.8	48.8	203.2	160.4	4.4
	MT16M01801/MT16M02106	MT22_M030_20	76.8	33.5	123.7	67.6	197.2	145.8	4.3
	MT16M01801/RUBIN	MT22_M032_08	70.6	21.2	395.5	70.8	199.7	149.5	2.7
	MT16M01901/ATLAS	MT22_M033_14	71.7	32.2	255.3	43.1	186.6	158.8	4
	MT16M01901/BONUS	MT22_M034_01	75.9	35.9	162.3	45.4	169.3	132	3.8
	MT16M01901/DIAMANT	MT22_M035_04	77.7	40.9	56.9	61.4	216.6	186.9	4.8
	MT16M01901/SAFIR	MT22_M039_01	74.6	23.8	249.5	40	157.5	154.4	2.7
	MT16M01901/SAFIR	MT22_M039_09	75.2	39.6	60	80.5	236.3	186.7	5.4
	MT16M01901/SUMMIT	MT22_M040_01	77.8	42.1	117.3	54.4	213.7	134.3	5
	MT16M01901/SUMMIT	MT22_M040_12	75.6	31.6	147.3	42.6	178.3	135	4
MT16M06404/BUTTE 12/MT124027		MT22_M051_10	79.9	33.4	38.5	101.5	243.7	122.8	3.8
	BUZZ/ALEXIS	MT22_M054_01	77.1	26.2	121.5	82.6	216.5	142.6	3
	BUZZ/ATLAS	MT22_M055_01	77.7	38.5	113	104	232.2	151	4.7
	BUZZ/ATLAS	MT22_M055_03	76.1	34.2	156.6	55.6	174.9	133.5	4
	Buzz/B9	MT22_M056_08	77.2	38.4	134.5	55.1	194.3	144.9	4.4
	Buzz/B9	MT22_M056_12	76.7	42.7	146.5	85.4	212.8	135	5.1
	Buzz/B9	MT22_M056_15	77.8	43.9	85.9	68.3	223.9	148.6	5.4
	BUZZ/BONUS	MT22_M057_09	76.3	42.4	53	71.3	219.8	127.7	4.9
	BUZZ/GERKRA	MT22_M058_03	74.8	26.5	162.4	69.7	204.9	195.8	3.8
	BUZZ/GERKRA	MT22_M058_07	76.2	31.8	116.8	52.4	205.9	111.4	3.6
	Buzz/H502	MT22_M059_12	77.6	24	124.8	95.1	227.8	154	2.8
	BUZZ/TOTEM	MT22_M066_01	78.1	44.2	77.9	78.9	202.7	129.2	4.6
	MT128/148-50/Buzz	MT22_M078_10	78.2	40.8	52.3	85.7	230.3	144	4.7
	MT128/148-50/Buzz	MT22_M078_14	77.3	37.3	70.9	73.3	196.5	126.3	4.1
	MT16M08502/PI599649	MT22_M096_03	77.6	36.1	69.3	58.2	189	151.5	4.2
	MT16M08806/BUZZ	MT22_M097_01	77.8	43.2	144.3	66.6	218.4	115.2	5
	MT128/148-95/MT16M06404	MT22_Y021_05	76.7	27.7	93.4	55.3	178.5	165.7	3.4
	MT128/148-95/MT16M06404	MT22_Y021_10	73.3	34.2	201.5	70	221.9	156.4	4.7
	MT16M00707/RUBIN	MT22_Y023_07	75	34.3	174.2	58	181.9	135.7	4.4
	MT16M01704/DIAMANT	MT22_Y024_09	74.4	30.9	160.6	56.8	166	165.5	3.6
	MT16M01705/SUMMIT	MT22_Y027_13	69.4	22	318.3	34.2	140.2	177.1	3.1
	MT16M01901/HALLIKO	MT22_Y038_04	73.6	28.4	100.6	53.5	182.1	178.9	3.8
	MT16M01901/SAFIR	MT22_Y039_10	73.6	31.3	80.4	43.8	181.4	211.6	4
	MT16M01901/TOTEM	MT22_Y041_16	74.7	34.5	87.7	46.1	186.1	163.6	4.6
	MT16M01901/UC1410/BUZZ	MT22_Y042_15	75.4	24.9	65.4	56.1	192	188.8	3
	MT16M02106/JAREK	MT22_Y044_14	79.2	34.1	63	105.5	231.2	153.5	3.9
	MT16M02106/JAREK	MT22_Y044_16	72.5	25.1	183.1	45	152.1	181.3	3.5
	MT16M02106/KRASSI	MT22_Y045_12	71.9	25	189.5	39	158.3	191.6	3.6
	MT16M02106/MAYJAR	MT22_Y046_01	70.6	26.3	376.8	30.4	164.5	131.2	3.6
	MT16M02106/MT16M01705	MT22_Y047_02	74.3	30.7	107.6	57.1	176	170.8	3.9
	PI094790/MT16M02106	MT22_Y048_13	72.9	23.4	197.6	36.2	132.8	110.6	3.1
	MT16M06404/MT16M01801	MT22_Y052_07	75.7	31.3	70.7	51.5	175	161.9	4.2
	BUZZ/ALEXIS	MT22_Y054_13	76.3	33.4	95.7	70.8	213.8	146.9	4.7
	BUZZ/HALLIKO	MT22_Y060_14	70.2	27.3	323.8	58.7	175.8	143.2	3.8
	BUZZ/HORAL	MT22_Y061_05	74.2	32.1	296.7	54	188.9	127.8	4.5
	BUZZ/KRASSI	MT22_Y062_16	75.3	35.2	75.1	71.7	213.2	197.9	4.8
	BUZZ/MAKO MAKO	MT22_Y063_06	74.3	33	56.8	55.6	203.7	168.1	4.5
	Buzz/Rubin	MT22_Y064_05	71.6	28.8	124.9	40.8	168.9	144.9	3.7
	BUZZ/SUMMIT	MT22_Y065_05	74.8	28.8	131.9	52.3	160.3	162.7	3.8
	BUZZ/SUMMIT	MT22_Y065_06	74.5	33.4	39.7	56.1	176.7	171.4	4.2
	Bearpaw/Haisa	MT22_Y075_07	72.7	25	153.3	54.1	180.5	179.8	3.4
	Bearpaw/PI357314	MT22_Y077_15	72.7	27.6	208.9	44.5	168.5	196.7	3.7
	MT16M01812/PI599649	MT22_Y095_10	74.7	22.4	90	59.3	183.3	184.5	3
	MT16M01812/PI599649	MT22_Y095_11	73.4	26.2	154.8	43.5	152	162.2	3.5
	MT16M08502/PI599649	MT22_Y096_07	73.3	28.3	247.4	50.7	198.2	197	4
	PI467412/Amulet	MT22_Y099_15	72.9	26.9	67.7	45.8	185.8	186.3	4
	Grand Mean		75.34	32.49	141.12	60.03	191.27	155.4	4.03
	LSD								
	C.V.		3.17	18.98	57.35	28.66	12.94	16.05	16.38
	p Value								

2024 EARC Barley EYT - Sidney Dryland Agronomic Data

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Buzz	100.0	97.3	11.0	57.6	69.0	168.9	
	Hockett	107.6	95.9	12.4	58.5	67.8	170.3	
Manley/2B80-350//Merit/2B94-5774	Merit 57	111.3	91.1	12.5	57.1	75.2	171.4	
Haxby/ND24388	MT Boy Howdy	117.0	96.3	10.6	58.0	78.1	168.9	
HOCKETT/ND24388	MT Endurance	100.5	96.3	12.2	58.1	75.3	169.1	
MT16M00707/Buzz	MT22_M022_07	109.9	95.6	11.6	57.4	80.1	170.3	
MT16M01705/MT16M00707	MT22_M025_02	116.2	96.5	10.7	58.1	74.8	165.8	
MT16M01801/BONUS	MT22_M028_01	109.6	91.8	11.5	56.8	74.6	167.0	
MT16M01801/MT16M01902	MT22_M029_01	115.8	96.9	11.7	57.7	80.2	168.2	
MT16M01801/MT16M02106	MT22_M030_20	112.1	95.9	11.2	58.0	70.8	164.7	
MT16M01801/RUBIN	MT22_M032_08	106.2	94.8	12.9	57.4	78.5	169.4	
MT16M01901/ATLAS	MT22_M033_14	93.3	95.7	11.3	57.2	71.8	168.2	
MT16M01901/BONUS	MT22_M034_01	102.0	95.8	11.4	57.7	75.2	168.4	
MT16M01901/DIAMANT	MT22_M035_04	102.5	93.8	11.8	57.3	69.9	167.9	
MT16M01901/SAFIR	MT22_M039_01	91.8	94.9	12.0	57.7	71.6	169.0	
MT16M01901/SAFIR	MT22_M039_09	94.5	97.0	12.6	57.8	74.0	166.3	
MT16M01901/SUMMIT	MT22_M040_01	96.0	94.9	11.6	58.6	71.2	165.8	
MT16M01901/SUMMIT	MT22_M040_12	101.5	95.4	12.4	57.3	77.0	171.2	
MT16M06404/BUTTE 12/MT124027	MT22_M051_10	100.1	90.1	12.4	55.8	67.4	172.7	
BUZZ/ALEXIS	MT22_M054_01	100.9	97.0	11.1	58.1	71.2	169.0	
BUZZ/ATLAS	MT22_M055_01	93.6	97.6	12.1	57.6	72.6	170.0	
BUZZ/ATLAS	MT22_M055_03	93.6	95.8	12.5	58.5	73.6	164.9	
Buzz/B9	MT22_M056_08	94.4	97.0	11.4	58.1	75.6	169.2	
Buzz/B9	MT22_M056_12	102.2	96.7	11.9	58.3	69.0	166.9	
Buzz/B9	MT22_M056_15	91.9	96.6	12.6	58.0	71.0	165.2	
BUZZ/BONUS	MT22_M057_09	81.1	94.9	11.6	57.9	74.0	167.9	
BUZZ/GERKRA	MT22_M058_03	100.3	96.4	10.9	57.9	69.7	168.5	
BUZZ/GERKRA	MT22_M058_07	95.8	95.1	11.6	57.2	71.9	169.2	
Buzz/H502	MT22_M059_12	90.0	96.4	11.9	58.1	71.7	165.9	
BUZZ/TOTEM	MT22_M066_01	99.7	93.8	10.9	56.7	67.8	168.7	
MT128/148-50/Buzz	MT22_M078_10	91.6	94.2	11.8	58.2	65.3	168.7	
MT128/148-50/Buzz	MT22_M078_14	101.7	96.6	10.9	58.0	68.9	169.9	
MT16M08502/PI599649	MT22_M096_03	100.0	94.9	12.1	56.7	71.0	165.6	
MT16M08806/BUZZ	MT22_M097_01	111.1	97.1	11.1	58.3	69.6	165.2	
MT128/148-95/MT16M06404	MT22_Y021_05	103.0	93.4	12.7	57.3	76.8	170.7	
MT128/148-95/MT16M06404	MT22_Y021_10	97.2	94.5	13.5	56.7	79.2	169.8	
MT16M00707/RUBIN	MT22_Y023_07	109.9	94.0	13.5	56.8	72.5	173.5	
MT16M01704/DIAMANT	MT22_Y024_09	103.4	89.7	12.6	57.7	61.7	169.8	
MT16M01705/SUMMIT	MT22_Y027_13	96.9	95.2	13.8	57.9	73.3	163.8	
MT16M01901/HALLIKO	MT22_Y038_04	95.9	97.6	13.6	57.2	74.5	169.3	
MT16M01901/SAFIR	MT22_Y039_10	97.8	89.7	14.1	57.8	69.1	171.2	
MT16M01901/TOTEM	MT22_Y041_16	92.1	94.0	13.7	57.9	64.5	168.3	
MT16M01901/UC1410/BUZZ	MT22_Y042_15	95.2	96.8	11.7	57.7	73.3	168.5	
MT16M02106/JAREK	MT22_Y044_14	99.2	95.2	13.5	56.8	72.7	170.1	
MT16M02106/JAREK	MT22_Y044_16	92.0	95.8	13.9	57.6	78.0	168.7	
MT16M02106/KRASSI	MT22_Y045_12	100.2	96.7	13.9	58.3	75.2	164.8	
MT16M02106/MAYJAR	MT22_Y046_01	89.6	92.1	14.2	57.6	71.2	168.2	
MT16M02106/MT16M01705	MT22_Y047_02	102.3	94.8	12.8	58.1	66.4	164.5	
PI094790/MT16M02106	MT22_Y048_13	100.8	93.9	11.8	56.8	73.1	164.8	
MT16M06404/MT16M01801	MT22_Y052_07	95.4	95.1	12.6	58.6	69.9	165.1	
BUZZ/ALEXIS	MT22_Y054_13	86.2	95.8	13.9	58.2	72.9	169.9	
BUZZ/HALLIKO	MT22_Y060_14	89.5	97.1	13.2	58.1	71.3	169.0	
BUZZ/HORAL	MT22_Y061_05	84.4	94.2	13.7	57.6	72.8	170.0	
BUZZ/KRASSI	MT22_Y062_16	96.8	93.3	13.5	56.5	77.7	173.4	
BUZZ/MAKO MAKO	MT22_Y063_06	95.5	95.3	13.1	56.7	75.2	171.2	
Buzz/Rubin	MT22_Y064_05	103.1	92.2	13.0	58.8	78.2	170.0	
BUZZ/SUMMIT	MT22_Y065_05	94.5	96.1	13.5	58.1	66.2	169.2	
BUZZ/SUMMIT	MT22_Y065_06	101.0	92.8	13.3	58.0	68.7	169.6	
Bearpaw/Haisa	MT22_Y075_07	95.9	94.3	13.8	58.2	78.0	169.8	
Bearpaw/PI357314	MT22_Y077_15	99.5	93.1	13.3	56.9	73.0	169.2	
MT16M01812/PI599649	MT22_Y095_10	90.6	96.8	13.7	58.3	77.0	170.0	
MT16M01812/PI599649	MT22_Y095_11	90.1	96.5	13.5	58.2	69.5	169.6	
MT16M08502/PI599649	MT22_Y096_07	93.9	97.6	13.5	58.3	79.0	161.4	
PI467412/Amulet	MT22_Y099_15	86.0	96.9	13.8	58.4	73.4	166.0	
	Grand Mean	98.7	95.1	12.5	57.7	72.7	168.4	
	LSD	4.4	1.1	0.3	0.3	4.7	1.4	
	C.V.	3.62	0.91	1.91	0.42	5.03	0.67	
	p Value	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

2024 EARC Barley EYT - Sidney Dryland Malt Quality Data

Pedigree	Name	Extract	S/T Protein	B Glucan	a Amylase	FAN	DP	S Protein
	Buzz	81.4		61	119	268	138	5.44
	Hockett	78.3		129	169	228	99	4.94
Manley/2B80-350//Merit/2B94-5774	Merit 57	79		45	154	274	126	5.45
	Haxby/ND24388	81.6		107	91	216	73	4.58
	HOCKETT/ND24388	82.3		145	75	237	132	5.65
	MT16M00707/Buzz	79.1		98	102	240	141	5.03
	MT16M01705/MT16M00707	79.8		68	86	230	124	5.09
	MT16M01801/BONUS	79.5		65	77	233	164	4.84
	MT16M01801/MT16M01902	79		139	89	225	158	4.73
	MT16M01801/MT16M02106	81.2		183	65	209	137	4.62
	MT16M01801/RUBIN	76.6		101	67	207	174	4.34
	MT16M01901/ATLAS	79.3		101	87	227	152	5.05
	MT16M01901/BONUS	79.3		64	98	249	151	5.31
	MT16M01901/DIAMANT	79.3		49	106	275	169	5.69
	MT16M01901/SAFIR	78.8		70	106	258	155	5.28
	MT16M01901/SAFIR	79.1		65	105	295	174	6.13
	MT16M01901/SUMMIT	77.4		149	74	233	136	4.93
	MT16M01901/SUMMIT	76.7		103	67	238	166	4.72
MT16M06404/BUTTE 12/MT124027	MT22_M051_10	79.2		41	106	276	122	5.83
	BUZZ/ALEXIS	79.4		74	119	252	147	5.23
	BUZZ/ATLAS	79.2		103	119	263	140	5.5
	BUZZ/ATLAS	78.6		188	62	251	142	5.59
	Buzz/B9	80.5		114	90	265	149	5.6
	Buzz/B9	80.3		128	102	250	128	5.24
	Buzz/B9	79		143	78	265	159	6.09
	BUZZ/BONUS	79.2		40	120	297	129	5.54
	BUZZ/GERKRA	80.9		87	130	262	145	5.25
	BUZZ/GERKRA	79.3		68	108	258	129	5.22
	Buzz/H502	80.2		94	117	271	160	5.51
	BUZZ/TOTEM	79.7		43	130	278	137	5.4
	MT128/148-50/Buzz	79.2		45	149	357	114	5.66
	MT128/148-50/Buzz	79.2		72	121	246	106	4.7
	MT16M08502/PI599649	80.1		102	99	238	133	4.74
	MT16M08806/BUZZ	82.3		74	133	289	115	5.6
	MT128/148-95/MT16M06404	77.5		105	74	212	160	4.32
	MT128/148-95/MT16M06404	75.6		145	105	258	146	5.28
	MT16M00707/RUBIN	74.9		202	80	241	128	4.99
	MT16M01704/DIAMANT	76.8		151	79	219	123	4.05
	MT16M01705/SUMMIT	72.7		260	61	180	162	3.81
	MT16M01901/HALLIKO	77		176	101	250	118	4.94
	MT16M01901/SAFIR	72.7		184	65	225	204	4.12
	MT16M01901/TOTEM	77.2		111	102	286	180	5.53
	MT16M01901/JC1410/BUZZ	78.1		164	88	245	139	4.79
	MT16M02106/JAREK	78.3		119	105	246	178	5.21
	MT16M02106/JAREK	76.1		207	63	217	209	4.37
	MT16M02106/KRASSI	75.8		196	46	217	181	4.56
	MT16M02106/MAYJAR	76.6		194	53	268	144	5.4
	MT16M02106/MT16M01705	77.8		106	74	259	169	5.03
	PI094790/MT16M02106	76		234	48	179	125	3.51
	MT16M06404/MT16M01801	77.3		106	68	235	179	4.68
	BUZZ/ALEXIS	74.7		281	131	269	171	5.07
	BUZZ/HALLIKO	75.3		254	86	232	134	5.04
	BUZZ/HORAL	76.9		99	78	258	197	5.18
	BUZZ/KRASSI	76.3		92	90	281	188	5.73
	BUZZ/MAKO MAKO	77		37	96	300	187	5.96
	Buzz/Rubin	73.7		156	58	221	167	4.21
	BUZZ/SUMMIT	75.8		122	70	199	184	3.97
	BUZZ/SUMMIT	74.2		130	64	211	198	4
	Bearpaw/Haisa	73.8		198	65	233	199	4.35
	Bearpaw/PI357314	75.9		127	61	229	214	4.78
	MT16M01812/PI599649	75.8		171	58	195	188	4.1
	MT16M01812/PI599649	76.8		99	61	177	154	4.58
	MT16M08502/PI599649	78.8		118	71	223	195	5.53
	PI467412/Amulet	76.8		86	60	206	178	5.46
	Grand Mean	77.91		121.69	90.33	244.23	153.48	5.02
	LSD							
	C.V.	2.88		47.48	30.17	13.2	18.93	11.69
	p Value							

2024 Preliminary Yield Trial - Bozeman Agronomic Data 1/2

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Hockett		93.7	11.7	51.4		182.2	210.6
	Buzz		97.7	12.0	52.6		179.3	214.1
	MT Endurance		97.4	12.6	48.5		178.5	211.8
	Merit 57		81.3	12.3	49.4		183.1	213.8
Bearpaw/UC1391	MT23_M050_02		92.6	12.7	49.0		183.3	215.9
MT16M02106/PINNACLE	MT23_M055_01		94.9	12.6	52.0		185.3	214.9
MT16M02106/PINNACLE	MT23_M055_02		90.7	10.3	50.6		183.3	214.9
MT16M02106/PINNACLE	MT23_M055_04		96.0	12.2	52.2		178.6	215.2
MT16M02106/ZAGRIB 48	MT23_M056_03		80.0	13.0	51.9		184.6	215.2
MT16M02106/ZAGRIB 48	MT23_M056_05		85.8	12.0	45.4		189.3	214.9
Pinnacle/PI094790	MT23_M062_01		92.8	11.9	52.3		178.3	212.9
Pinnacle/PI094790	MT23_M062_03		96.2	12.5	51.0		177.0	211.9
ZAGRIB 48/MT16M02106	MT23_M063_05		92.1	12.5	49.8		182.3	212.9
ZAGRIB 48/MT16M02106	MT23_M063_08		92.3	13.2	47.6		188.3	214.2
MT18M11006/UC1410	MT23_M064_05		88.0	11.5	52.6		181.3	212.9
MT18M11006/UC1410	MT23_M064_08		81.7	13.0	50.3		180.3	211.2
MT18M11006/UC1410	MT23_M064_14		91.1	12.0	52.0		177.0	209.9
MT18M11006/UC1410	MT23_M064_15		90.5	11.1	54.1		183.3	211.9
B92/ND24388	MT23_M065_02		100.0	11.0	50.4		175.3	213.2
B92/ND24388	MT23_M065_11		92.3	13.6	49.8		182.6	212.2
B92/PI506295_NRPB80-881	MT23_M066_13		91.9	12.6	48.5		188.3	214.9
B92/PI506295_NRPB80-881	MT23_M066_18		91.4	12.0	54.5		177.3	210.9
BUZZ/PI467811_ADORRA	MT23_M067_02		85.0	11.4	50.3		183.6	212.9
BUZZ/PI467811_ADORRA	MT23_M067_04		96.5	13.0	54.5		181.3	214.9
BUZZ/PI467811_ADORRA	MT23_M067_08		100.0	12.8	51.9		180.3	211.2
BUZZ/PI592172_DONAN	MT23_M068_02		93.2	11.5	51.4		181.6	215.9
BUZZ/PI592172_DONAN	MT23_M068_04		95.8	12.4	53.3		179.6	216.2
BUZZ/PI467749_MENUET	MT23_M069_03		96.9	11.7	51.1		182.3	214.2
BUZZ/PI467749_MENUET	MT23_M069_04		96.8	13.2	51.0		184.3	215.9
BUZZ/PI467749_MENUET	MT23_M069_12		91.4	14.0	51.7		182.6	214.2
Buzz/Merchant	MT23_M070_03		100.0	11.6	53.4		180.3	216.2
Buzz/Merchant	MT23_M070_10		100.0	12.4	52.8		181.3	214.2
Buzz/Miranda	MT23_M071_12		82.3	13.6	49.6		187.0	213.9
BUZZ/MT18M09904	MT23_M072_01		92.3	12.8	51.2		184.3	214.9
BUZZ/PI467808_Perfekta	MT23_M073_01		95.0	10.4	48.8		184.6	213.9
BUZZ/PI592282_MERCHANT	MT23_M075_05		91.8	11.6	50.5		178.6	216.2
MT124128/148-16/PI592196_JEM	MT23_M076_04		91.6	13.5	51.0		183.6	215.2
MT124128/148-16/PI592196_JEM	MT23_M076_05		85.2	13.5	51.6		184.6	213.9
MT124128/148-16/PI592196_JEM	MT23_M076_06		92.1	13.9	53.4		187.6	215.2
MT124128/148-16/PI592196_JEM	MT23_M076_07		89.0	14.1	51.7		185.6	213.9
MT124128/148-16/PI467808_Perfekta	MT23_M077_07		97.1	13.1	51.5		183.3	213.2
MT124128/148-16/PI467808_Perfekta	MT23_M077_09		94.3	11.9	51.9		183.3	213.9
MT124128/148-93/PI592196_JEM	MT23_M079_01		95.5	11.8	51.8		183.0	213.9
MT124128/148-93/PI592196_JEM	MT23_M079_04		93.3	13.2	51.9		182.6	213.2
MT124128/148-93/PI467808_Perfekta	MT23_M081_04		93.3	12.1	51.7		184.0	214.9
MT16M01801/PI467811_ADORRA	MT23_M083_08		94.3	14.0	49.9		184.6	214.9
MT16M01801/PI467811_ADORRA	MT23_M083_10		96.5	13.9	49.2		182.3	214.9
MT16M01801/PI592196_JEM	MT23_M084_04		97.4	12.0	52.6		182.6	214.9
MT16M01801/PI592196_JEM	MT23_M084_13		97.8	12.2	50.6		183.6	213.9
MT16M01801/PI506295_NRPB80-881	MT23_M085_05		89.5	13.7	51.5		181.3	214.2
MT16M01801/PI506295_NRPB80-881	MT23_M085_09		91.7	12.3	47.3		187.3	213.9
MT16M01801/PREVENTS	MT23_M086_03		95.4	12.6	50.0		181.6	213.9
MT16M01801/PREVENTS	MT23_M086_05		95.7	13.8	51.3		181.0	211.9
MT16M02106/128/148-93	MT23_M087_01		94.7	13.0	51.8		182.3	213.2
MT16M02106/PI467786_ARAMIR/PI467786	MT23_M088_07		79.6	12.7	49.5		182.6	211.2
MT16M05610/PI467811_ADORRA	MT23_M090_01		93.7	11.9	52.0		183.3	214.2
MT16M05610/PI467811_ADORRA	MT23_M090_06		97.5	12.4	50.1		181.6	211.9
MT16M05610/PI467811_ADORRA	MT23_M090_10		94.1	12.0	53.6		181.3	213.2
MT16M05610/MT17M01711	MT23_M091_09		88.8	13.4	48.4		179.3	214.2
MT16M05610/MT17M01711	MT23_M091_12		94.3	14.0	50.6		177.3	214.2
MT16M05610/MT17M01711	MT23_M091_13		93.3	11.7	49.1		184.6	214.9
MT16M05610/MT17M01711	MT23_M091_14		92.3	11.2	51.4		181.6	215.2
MT17M00302/PI592172_DONAN	MT23_M092_02		97.4	12.6	51.4		183.6	214.9
MT17M00302/PI592172_DONAN	MT23_M092_03		96.7	13.3	50.1		186.3	215.2
	Grand Mean		92.7	12.3	51.2		182.4	213.5
	LSD		5.79	1.84	1.74		2.92	2.11
	C.V.		2.57	6.13	1.4		0.66	0.4

2024 Preliminary Yield Trial - Bozeman Agronomic Data 2/2

Pedigree	Name	Yield	Plump	Protein	Test Weight	Height	Heading	Maturity
	Hockett		93.7	11.7	51.4		182.2	210.6
	Buzz		97.7	12.0	52.6		179.3	214.1
	MT Endurance		97.4	12.6	48.5		178.5	211.8
	Merit 57		81.3	12.3	49.4		183.1	213.8
MT17M00302/PI592172_DONAN	MT23_M092_10		92.9	13.0	52.0		183.3	215.2
PI592196_JEM/MT18M11006	MT23_M093_05		86.7	14.0	52.5		185.3	214.2
PI592196_JEM/MT18M11006	MT23_M093_06		86.0	12.8	51.3		183.3	213.2
MT17M00302/PI592282_MERCHANT	MT23_M094_02		94.2	14.5	53.2		186.3	214.9
MT17M00302/PI592282_MERCHANT	MT23_M094_04		86.4	11.9	53.9		185.6	216.2
MT17M00302/PI592282_MERCHANT	MT23_M094_08		98.1	12.9	52.0		184.3	214.2
MT17M00302/PI643283_ND14701	MT23_M095_03		93.6	11.8	54.3		186.3	214.9
MT17M00302/PI643283_ND14701	MT23_M095_04		94.1	10.6	50.2		182.0	212.9
MT17M00302/PI643283_ND14701	MT23_M095_05		92.1	11.8	51.5		181.3	211.2
MT17M00302/PI467808_Perfekta	MT23_M096_01		90.3	10.7	49.5		186.0	213.9
MT17M00302/PI467808_Perfekta	MT23_M096_02		91.0	10.4	49.5		187.0	213.9
MT17M00302/PI467808_Perfekta	MT23_M096_03		92.4	11.0	52.7		182.6	216.9
MT17M00302/PI467808_Perfekta	MT23_M096_04		94.1	11.9	50.9		184.3	212.9
MT17M00302/PI467808_Perfekta	MT23_M096_05		91.9	11.2	53.4		187.3	214.9
MT17M05416/PI611576_PREVENETS	MT23_M097_03		90.8	12.3	50.0		182.3	212.9
MT17M05416/PI611576_PREVENETS	MT23_M097_05		95.6	11.4	51.2		182.6	214.9
MT17M05416/PI611576_PREVENETS	MT23_M097_06		98.3	13.0	51.8		179.6	213.9
MT17M05502/128/148-93	MT23_M098_05		97.0	12.9	53.2		181.3	214.2
MT17M05502/128/148-93	MT23_M098_08		89.8	11.7	50.6		183.3	214.2
MT17M05502/128/148-93	MT23_M098_11		69.6	11.5	50.3		182.6	211.9
MT17M05502/128/148-93	MT23_M098_14		90.7	13.0	52.2		182.6	213.9
MT17M05502/PI564487_ALEXIS	MT23_M099_02		97.5	11.7	52.1		181.3	214.2
MT17M05502/PI564487_ALEXIS	MT23_M099_07		95.7	13.0	51.9		184.6	215.9
MT17M05502/PI564487_ALEXIS	MT23_M099_12		90.0	11.4	53.1		181.3	212.9
MT17M05502/PI467749_MENUET/PI467749	MT23_M100_01		95.2	12.8	51.5		187.0	215.9
MT17M05502/PI467749_MENUET/PI467749	MT23_M100_04		93.4	12.4	49.9		183.3	214.9
MT17M05502/PI467749_MENUET/PI467749	MT23_M100_06		89.0	11.1	50.6		183.6	213.9
MT17M05502/PI611576_PREVENETS	MT23_M101_02		86.5	13.3	48.1		186.3	214.2
MT17M05502/PI611576_PREVENETS	MT23_M101_05		92.8	12.4	49.9		181.6	211.9
MT17M05502/PI611576_PREVENETS	MT23_M101_22		94.3	12.3	50.4		182.6	211.9
MT17M05502/PI428413_SANDRA	MT23_M102_01		94.8	12.9	53.0		183.0	211.9
MT17M05502/PI428413_SANDRA	MT23_M102_06		94.5	12.9	53.1		184.6	211.9
MT17M05502/PI428413_SANDRA	MT23_M102_13		95.6	13.2	52.4		182.3	212.2
MT17M05502/PI428413_SANDRA	MT23_M102_20		97.8	12.2	52.0		178.6	210.9
MT17M05502/PI428413_SANDRA	MT23_M102_24		91.3	12.5	52.6		181.3	212.9
MT17M05508/PI592172_DONAN	MT23_M103_04		100.0	10.5	53.6		179.3	212.2
MT17M05508/PI592172_DONAN	MT23_M103_06		92.6	13.6	52.7		183.6	212.2
MT17M05508/PI592172_DONAN	MT23_M103_07		100.0	9.6	53.2		181.3	209.2
MT17M05508/PI599628_HORAL	MT23_M104_21		81.4	12.4	50.1		188.6	218.2
MT18M09904/ABI EAGLE	MT23_M105_02		95.9	11.0	50.7		188.0	213.9
MT18M09904/ABI EAGLE	MT23_M105_06		90.8	13.1	49.4		186.0	213.9
MT18M09904/PI467786_ARAMIR/PI467786	MT23_M106_06		95.4	12.9	51.9		182.3	213.9
MT18M09904/PI467786_ARAMIR/PI467786	MT23_M106_08		95.0	11.5	50.6		182.3	214.9
MT18M09904/PI599628_HORAL	MT23_M107_02		97.9	11.3	52.1		180.6	211.9
MT18M09904/PI599628_HORAL	MT23_M107_14		82.7	11.2	53.0		179.0	211.9
MT18M09904/PI506295_NRPB80-881	MT23_M108_03		68.6	12.5	49.8		187.6	214.2
MT18M09904/PI467808_Perfekta	MT23_M109_03		97.0	12.0	50.5		183.3	211.2
MT18M09904/PI467808_Perfekta	MT23_M109_14		93.1	12.0	51.9		182.3	211.9
MT18M10106/ABI EAGLE	MT23_M111_06		91.3	11.7	50.3		184.6	213.9
MT18M10106/ABI EAGLE	MT23_M111_07		93.2	12.4	52.2		182.3	214.2
MT18M11002/PI599628_HORAL	MT23_M112_13		83.9	13.2	49.4		188.3	215.2
MT18M11006/MT17M05502	MT23_M113_10		87.2	12.0	50.3		180.6	210.9
MT18M11006/PI564487_ALEXIS	MT23_M114_06		96.2	13.7	51.0		182.3	215.2
MT18M11006/PI564487_ALEXIS	MT23_M114_10		96.5	12.2	51.6		184.0	215.9
MT18M10106/PI467786_ARAMIR/PI467786	MT23_M116_03		93.4	12.8	51.7		179.3	212.9
Primus pi599650/Buzz F5	MT23_M118_01		95.8	10.5	50.4		183.3	215.2
Primus pi599650/Buzz F5	MT23_M118_13		99.4	12.8	52.7		180.6	215.9
Primus pi599650/Buzz F5	MT23_M118_16		95.8	12.3	51.4		180.3	217.9
MT124128/148-93 / Adorra F4	MT23_M120_02		90.4	13.2	53.2		181.6	209.9
MT124128/148-93 / Adorra F4	MT23_M120_18		86.8	10.4	51.4		180.6	209.9
	Grand Mean		92.7	12.3	51.2		182.4	213.5
	LSD		5.79	1.84	1.74		2.92	2.11
	C.V.		2.57	6.13	1.4		0.66	0.4

2024 GN Free - Preliminary Yield Trial Data

Pedigree	Name	Plump	Protein	Height	Extract	S/T Protein	B Glucan	a Amylase	FAN	DP	S Protein
	Buzz	94.6	11.25	77.83							
Haxby/ND24388	MT Boy Howdy	95.9	11.31	80.05							
HOCKETT/ND24388	MT Endurance	96.5	11.72	80.67							
MT Endurance/KWS Willis	MT23LG_105_02	98.0	11.86	87.25	77.4	46.7	47	78	285	189	5.5
MT Endurance/KWS Willis	MT23LG_105_05	97.1	11.72	78.25	79.6	44.9	28	114	219	179	5.3
MT Endurance/KWS Willis	MT23LG_105_06	94.0	11.89	77.25	76.7	35.4	26	83	164	170	4.2
MT Endurance/KWS Willis	MT23LG_105_07	93.4	11.99	84.5	81.7	47.6	63	91	214	182	5.7
MT Endurance/KWS Willis	MT23LG_105_08	95.2	11.44	79.5	75.8	33.4	86	68	157	161	3.9
MT Endurance/KWS Willis	MT23LG_105_09	100.0	12.49	82.25	78.6	39.8	87	79	201	220	5
MT Endurance/KWS Willis	MT23LG_105_10	98.0	12.26	83.25	78.2	41.1	44	74	183	208	5
MT Endurance/KWS Willis	MT23LG_105_11	96.9	11.2	74.5							
MT Endurance/KWS Willis	MT23LG_105_14	93.3	11.61	86.25	78.4	43.5	31	89	244	184	5
MT Endurance/KWS Willis	MT23LG_105_17	100.0	12.31	85.75	76.9	41.7	37	75	198	203	5.1
MT Endurance/KWS Willis	MT23LG_105_19	97.0	12.17	86.25	80.9	51.3	27	109	305	218	6.2
MT Endurance/KWS Willis	MT23LG_105_23	90.8	12.33	64.25	76.5	35.6	50	55	161	201	4.4
MT Boy Howdy/KWS Willis	MT23LG_116_01	92.5	11.76	75.5	75.6	33.9	86	75	158	167	4
MT Boy Howdy/KWS Willis	MT23LG_116_02	94.1	11.75	69.5	79.5	36.4	61	80	177	111	4.3
MT Boy Howdy/KWS Willis	MT23LG_116_03	77.4	12.72	71.25	76.4	41.2	37	97	197	193	5.2
MT Boy Howdy/KWS Willis	MT23LG_116_05	100.0	12.72	84.25	75.5	40.2	85	59	183	128	5.1
MT Boy Howdy/KWS Willis	MT23LG_116_06	93.9	12.1	88.25	75.4	28.4	42	63	140	144	3.4
MT Boy Howdy/KWS Willis	MT23LG_116_07	95.7	11.54	83.5							
MT Boy Howdy/KWS Willis	MT23LG_116_09	99.3	12.19	72.25	76.4	34.1	75	74	170	177	4.2
MT Boy Howdy/KWS Willis	MT23LG_116_10	89.9	11.93	87.5							
MT Boy Howdy/KWS Willis	MT23LG_116_11	97.8	13.7	87.25	76.2	39.4	42	79	246	176	5.4
MT Boy Howdy/KWS Willis	MT23LG_116_12	97.0	11.77	75.5	77.9	39.1	74	66	169	114	4.6
MT Boy Howdy/KWS Willis	MT23LG_116_13	91.4	12.82	72.25	73.3	34.8	133	74	178	160	4.4
MT Boy Howdy/KWS Willis	MT23LG_116_14	100.0	12.88	65.25	76.3	34.8	91	65	174	186	4.5
MT Boy Howdy/KWS Willis	MT23LG_116_15	95.0	12.65	90.25	78.2	36.4	45	69	219	176	4.6
MT Boy Howdy/KWS Willis	MT23LG_116_16	95.3	11.33	83.25	78.4	39.6	51	56	156	104	4.5
MT Boy Howdy/KWS Willis	MT23LG_116_17	99.6	12.51	85.25	77.2	43.5	70	83	223	155	5.4
MT Boy Howdy/KWS Willis	MT23LG_116_18	92.9	11.42	82.25	76.7	36.7	74	71	165	133	4.2
MT Boy Howdy/KWS Willis	MT23LG_116_19	98.7	12.18	88.75	76	32.9	109	72	164	105	4
MT Boy Howdy/KWS Willis	MT23LG_116_20	94.7	10.92	86.25	77.5	34.8	110	58	183	123	3.8
MT Boy Howdy/KWS Willis	MT23LG_116_21	87.7	11.69	68.5	76	32.2	91	81	154	199	3.8
MT Boy Howdy/KWS Willis	MT23LG_116_22	94.9	12.33	71.25	77.6	40.7	39	82	232	184	5
MT Boy Howdy/KWS Willis	MT23LG_116_24	92.3	11.77	69	76	29.4	111	58	130	117	3.5
MT Boy Howdy/KWS Willis	MT23LG_116_26	99.0	11.56	85.25	75.5	40.3	83	66	164	123	4.6
MT Boy Howdy/KWS Willis	MT23LG_116_28	98.2	11.39	81.25	76.3	35.4	57	86	158	158	4
MT Boy Howdy/KWS Willis	MT23LG_116_29	87.1	11.72	60.25	76.7	44.3	72	85	187	208	5.2
MT Boy Howdy/KWS Willis	MT23LG_116_31	97.3	13.77	84	75.5	44	123	88	228	171	6.1
MT Boy Howdy/KWS Willis	MT23LG_116_33	90.2	12.57	59.5							
MT18M11006/KWS Willis	MT23LG_144_02	89.5	12.32	66.5							
MT18M11006/KWS Willis	MT23LG_144_03	94.2	12.31	83.25	78.2	36.1	52	64	183	167	4.4
MT18M11006/KWS Willis	MT23LG_144_04	95.3	10.99	89							
MT18M11006/KWS Willis	MT23LG_144_05	98.2	11.79	78.25	76.8	37.3	49	81	173	135	4.4
MT18M11006/KWS Willis	MT23LG_144_07	82.6	12.08	71.75							
MT18M11006/KWS Willis	MT23LG_144_11	85.7	12.17	69.25	76.8	52.8	29	111	243	122	6.4
MT18M11006/KWS Willis	MT23LG_144_12	95.3	12.56	77.25	77	36.5	45	78	201	204	4.6
MT18M11006/KWS Willis	MT23LG_144_13	94.9	12.41	85.75	76.6	39.2	67	64	205	164	4.8
MT18M11006/KWS Willis	MT23LG_144_16	94.2	11.6	76.5	77.2	29.1	65	69	140	113	3.4
MT18M11006/KWS Willis	MT23LG_144_18	94.7	12.88	72.25	74.3	35.1	121	63	161	130	4.5
MT18M11006/KWS Willis	MT23LG_144_20	93.9	13.15	92.25	77.1	34.9	29	69	198	191	4.6
	Grand Mean	94.62	11.97	78.67							
	LSD										
	C.V.	2.79	1.44	4.5							

2024 Barley Forage Intrastate - All Locations Means

Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina	81.4	4.09	34.6	63.3	49.2	12.6	79.4	181.1	
	Cowgirl	80.9	3.84	35.7	64.1	49.3	13.3	83.9	179.7	
	Haymaker	79.4	4.06	34.3	61.4	49.7	13.6	83.6	182.1	
Lavina/ND24260	MT16F01601	85.6	3.60	33.3	61.5	49.4	12.7	78.9	178.7	
LAVINA/ND24388	MT17F02410	96.2	4.24	32.2	59.0	50.0	12.3	76.7	183.3	
Lavina/Atlas	MT20_F097_01	84.8	4.06	34.9	63.1	49.4	12.9	85.3	181.8	
Lavina/Totem	MT20_F098_01	90.3	3.99	34.5	62.6	49.6	12.6	78.7	181.6	
Lavina/Totem	MT20_F098_24	84.4	4.09	32.4	58.6	49.7	12.3	79.0	181.4	
Lavina/WC416	MT21_F004_01	83.7	4.28	35.2	63.7	50.1	13.0	78.4	182.5	
Lavina/PI548107	MT20_F099_05	83.1	4.10	33.8	61.0	51.2	13.1	80.3	180.4	
Lavina/clho7074	MT20_F108_13	95.9	4.10	33.1	60.6	50.9	12.6	78.6	182.9	
LAVINA/perfekta	MT20_F109_08	85.7	4.45	33.6	60.6	50.8	12.4	79.0	182.4	
LAVINA/perfekta	MT20_F109_22	93.4	4.13	32.1	58.0	49.8	13.1	80.9	179.7	
Lavina/PI274620	MT20_F110_19	79.6	4.10	35.0	62.6	51.2	12.7	84.3	182.6	
LAVINA/Atlas	MT20_F111_15	78.9	3.86	32.8	59.0	49.3	13.2	82.8	180.6	
Lavina/WC269	MT21_F001_05	79.4	4.18	34.0	60.7	50.2	13.3	82.0	183.4	
Lavina/Marret's Hooded	MT21_F002_09	64.4	3.67	33.4	60.3	48.0	14.7	83.7	179.9	
Lavina/Marret's Hooded	MT21_F002_11	73.4	3.81	34.0	62.7	48.7	13.3	82.5	182.1	
Lavina/WC8	MT21_F003_01	70.5	3.89	32.0	58.4	50.6	13.0	81.2	182.3	
Lavina/WC8	MT21_F003_05	82.1	3.86	34.1	61.8	49.2	12.9	81.3	181.1	
Lavina/PI506302	MT21_F005_09	86.5	3.95	33.8	61.9	49.5	12.7	77.2	183.9	
Lavina/PI506302	MT21_F005_10	86.6	3.91	30.5	55.8	48.2	13.4	77.7	183.2	
Lavina/PI573611	MT21_F006_07	70.9	3.78	33.8	61.7	46.7	15.0	81.4	179.4	
Lavina/WC96	MT21_F109_03	68.5	3.87	35.2	63.1	49.9	14.1	92.2	179.9	
Lavina/WC96	MT21_F109_11	70.9	4.06	36.3	64.0	50.9	13.1	91.0	179.7	
	Grand Mean	81.5	4.00	33.8	61.2	49.6	13.1	81.6	181.4	
	LSD	5.3	0.38	1.7	2.8	0.7	0.6	3.2	0.7	
	C.V.	8.98	15.48	7.54	6.96	1.95	5.24	5.99	0.62	
	# obs	5	7	6	6	5	4	6	6	
	Prob. Entry	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

2024 Forage Barley Intrastate - Moccasin

Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina	37.2	1.70	34.9	63.3	40.1	14.7	63.2	190.5	
	Cowgirl	24.1	1.55	34.4	61.2	40.9	16.5	60.9	191.1	
	Haymaker	28.2	1.76	37.3	65.2	43.8	15.7	60.5	191.3	
Lavina/ND24260	MT16F01601	36.6	1.70	34.0	62.4	40.8	13.9	61.6	190.4	
LAVINA/ND24388	MT17F02410	29.9	2.08	32.3	58.2	41.3	15.0	57.3	191.7	
Lavina/Atlas	MT20_F097_01	30.4	1.53	34.9	63.3	40.3	15.0	61.0	191.3	
Lavina/Totem	MT20_F098_01	29.1	1.62	34.5	62.0	40.7	15.1	58.6	192.0	
Lavina/Totem	MT20_F098_24	28.4	1.35	30.6	54.4	40.2	14.6	56.5	190.5	
Lavina/WC416	MT21_F004_01	30.9	2.17	35.9	64.7	41.9	16.3	59.0	190.8	
Lavina/PI548107	MT20_F099_05	30.8	1.76	34.0	60.6	43.5	15.2	59.9	190.4	
Lavina/clho7074	MT20_F108_13	32.8	1.75	32.7	59.4	40.9	15.8	56.7	191.3	
LAVINA/perfekta	MT20_F109_08	28.5	1.99	33.1	59.2	43.5	15.4	59.3	190.9	
LAVINA/perfekta	MT20_F109_22	29.8	1.65	30.6	54.5	40.9	15.6	62.0	189.9	
Lavina/PI274620	MT20_F110_19	33.8	1.89	35.3	62.3	45.9	14.6	65.4	191.4	
LAVINA/Atlas	MT20_F111_15	32.2	1.68	30.0	53.7	41.2	15.3	57.8	191.4	
Lavina/WC269	MT21_F001_05	32.8	1.46	37.2	66.1	40.6	15.6	62.4	191.6	
Lavina/Marret's Hooded	MT21_F002_09	21.6	1.38	32.8	59.4	43.0	16.0	59.5	192.0	
Lavina/Marret's Hooded	MT21_F002_11	29.4	1.78	35.0	63.6	42.6	15.3	62.3	191.1	
Lavina/WC8	MT21_F003_01	27.6	1.73	32.2	57.2	42.3	15.3	60.6	191.8	
Lavina/WC8	MT21_F003_05	29.3	2.18	32.7	58.3	40.4	14.8	61.7	191.0	
Lavina/PI506302	MT21_F005_09	36.9	1.96	38.0	68.7	40.6	15.3	62.7	191.4	
Lavina/PI506302	MT21_F005_10	31.7	1.69	26.5	47.6	37.8	16.0	57.8	191.8	
Lavina/PI573611	MT21_F006_07	26.0	1.92	32.8	59.2	38.4	16.3	60.1	191.7	
Lavina/WC96	MT21_F109_03	23.4	1.46	34.6	61.2	43.4	16.2	65.9	190.1	
Lavina/WC96	MT21_F109_11	26.6	1.76	33.2	58.8	42.7	15.4	62.6	189.9	
	Grand Mean	29.9	1.74	33.6	60.2	41.5	15.4	60.6	191.1	
	LSD	4.1	0.24	3.3	5.8	0.7	0.7	2.3	0.6	
	C.V.	11.54	11.63	7.75	7.54	1.43	3.70	3.15	0.26	
	Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

2024 Barley Forage Intrastate - Bozeman										
Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina		6.84	34.9	63.3			86.0	182.8	205.4
	Cowgirl		7.01	34.4	61.2			91.0	182.4	206.3
	Haymaker		7.27	37.3	65.2			94.8	184.6	205.6
Lavina/ND24260	MT16F01601		5.7	34.0	62.4			83.4	178.3	207.1
LAVINA/ND24388	MT17F02410		7.52	32.3	58.2			84.5	187.1	211.1
Lavina/Atlas	MT20_F097_01		7.11	34.9	63.3			93.2	184.5	205.6
Lavina/Totem	MT20_F098_01		7.45	34.5	62.0			85.8	183.3	205.5
Lavina/Totem	MT20_F098_24		7.34	30.6	54.4			86.3	182.5	205.8
Lavina/WC416	MT21_F004_01		6.73	35.9	64.7			87.1	185.1	205.3
Lavina/PI548107	MT20_F099_05		7.07	34.0	60.6			89.4	182.7	206.8
Lavina/clho7074	MT20_F108_13		7.12	32.7	59.4			84.4	186.5	208.3
LAVINA/perfekta	MT20_F109_08		7.84	33.1	59.2			88.0	183.8	206.5
LAVINA/perfekta	MT20_F109_22		6.97	30.6	54.5			91.2	181.3	206.2
Lavina/PI274620	MT20_F110_19		7.64	35.3	62.3			93.3	185.0	207.0
LAVINA/Atlas	MT20_F111_15		6.69	30.0	53.7			90.8	182.3	205.8
Lavina/WC269	MT21_F001_05		7.46	37.2	66.1			87.1	186.5	206.6
Lavina/Marret's Hooded	MT21_F002_09		6	32.8	59.4			91.6	180.9	206.5
Lavina/Marret's Hooded	MT21_F002_11		6.5	35.0	63.6			86.8	184.2	207.4
Lavina/WC8	MT21_F003_01		7.08	32.2	57.2			92.4	184.8	207.0
Lavina/WC8	MT21_F003_05		7.25	32.7	58.3			87.7	183.2	205.8
Lavina/PI506302	MT21_F005_09		7.23	38.0	68.7			88.3	186.2	209.1
Lavina/PI506302	MT21_F005_10		6.46	26.5	47.6			84.6	186.0	207.0
Lavina/PI573611	MT21_F006_07		6.15	32.8	59.2			86.8	181.3	205.3
Lavina/WC96	MT21_F109_03		7.23	34.6	61.2			102.1	182.8	205.2
Lavina/WC96	MT21_F109_11		6.67	33.2	58.8			101.3	181.6	204.9
	Grand Mean		6.97	33.6	60.2			89.5	183.6	206.5
	LSD		0.64	3.3	5.8			1.9	1.2	0.8
	C.V.		7.61	7.75	7.54			1.82	0.54	0.31
	Prob. Entry		<0.001	<0.001	<0.001			<0.001	<0.001	<0.001

Grain data missing due to hail

2024 Forage Barley Intrastate - Havre

Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina	86.5	3.22	31.8	60.1	51.1	11.6	66.8	178.2	203.7
	Cowgirl	90.5	3.15	32.6	61.0	51.1	12.1	72.2	174.2	204.4
	Haymaker	75.8	3.68	32.2	59.6	52.2	13.5	74.2	177.7	203.0
Lavina/ND24260	MT16F01601	88.5	3.70	29.9	56.6	51.5	11.6	73.6	175.3	203.1
LAVINA/ND24388	MT17F02410	84.4	3.94	28.7	54.2	51.4	11.5	60.9	179.0	203.8
Lavina/Atlas	MT20_F097_01	85.6	3.21	31.9	59.3	51.8	11.8	76.4	177.5	203.9
Lavina/Totem	MT20_F098_01	90.8	3.27	31.9	59.5	52.2	11.7	67.7	178.1	203.5
Lavina/Totem	MT20_F098_24	78.1	3.66	30.0	56.1	51.7	11.6	66.0	177.3	203.5
Lavina/WC416	MT21_F004_01	82.3	3.69	32.4	60.8	51.5	12.7	68.4	178.1	203.5
Lavina/PI548107	MT20_F099_05	76.9	2.80	31.0	58.4	53.3	12.8	69.2	177.6	203.8
Lavina/clho7074	MT20_F108_13	87.8	4.24	28.8	53.5	52.2	12.0	65.9	179.3	204.4
LAVINA/perfekta	MT20_F109_08	87.9	3.50	31.4	58.8	51.7	11.4	68.2	178.3	204.6
LAVINA/perfekta	MT20_F109_22	91.3	3.44	31.1	58.5	52.0	12.5	71.2	175.3	204.0
Lavina/PI274620	MT20_F110_19	82.7	3.22	32.9	61.2	51.8	12.2	73.1	177.5	204.0
LAVINA/Atlas	MT20_F111_15	84.6	3.55	30.3	56.3	51.4	12.6	67.6	176.3	202.8
Lavina/WC269	MT21_F001_05	74.3	4.77	27.0	48.9	51.8	12.9	69.4	177.3	202.3
Lavina/Marret's Hooded	MT21_F002_09	66.7	3.07	29.8	55.8	49.5	13.4	69.5	175.3	204.6
Lavina/Marret's Hooded	MT21_F002_11	72.0	3.12	31.0	59.4	50.3	12.5	70.6	176.5	204.2
Lavina/WC8	MT21_F003_01	79.0	2.86	31.9	60.3	53.0	12.0	69.5	177.1	203.1
Lavina/WC8	MT21_F003_05	85.9	3.30	32.7	60.9	51.2	12.0	69.4	176.6	203.6
Lavina/PI506302	MT21_F005_09	81.5	3.51	28.2	53.1	50.3	11.8	63.6	179.8	204.4
Lavina/PI506302	MT21_F005_10	77.3	4.48	29.1	54.1	50.0	12.3	69.2	179.0	204.1
Lavina/PI573611	MT21_F006_07	72.5	3.08	31.1	58.9	48.8	14.3	67.9	174.9	202.0
Lavina/WC96	MT21_F109_03	71.1	3.09	30.9	59.0	51.8	13.7	77.2	174.8	202.1
Lavina/WC96	MT21_F109_11	77.5	3.20	33.3	60.7	52.3	12.4	84.7	175.3	203.4
	Grand Mean	81.3	3.47	30.9	57.8	51.4	12.4	70.1	177.0	203.6
	LSD	3.3	0.44	0.9	1.7	0.5	0.5	2.5	0.8	0.5
	C.V.	3.47	9.67	2.49	2.56	0.82	3.22	2.92	0.35	0.21
	Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

2024 Forage Barley Intrastate - Sidney										
Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina	96.9	2.74	33.2	64.7	54.3	13.7	75.2	168.6	
	Cowgirl	98.2	2.89	34.5	66.5	54.4	12.8	83.0	167.9	
	Haymaker	86.1	3.12	31.7	61.8	55.0	13.9	77.0	169.6	
Lavina/ND24260	MT16F01601	94.2	2.81	30.6	61.0	55.2	13.8	75.8	167.7	
LAVINA/ND24388	MT17F02410	104.3	2.67	32.1	64.0	55.7	13.0	76.1	170.7	
Lavina/Atlas	MT20_F097_01	85.5	2.81	32.4	63.4	54.1	13.3	81.7	171.7	
Lavina/Totem	MT20_F098_01	97.1	2.36	32.4	62.8	53.9	13.0	72.8	170.0	
Lavina/Totem	MT20_F098_24	89.3	2.43	31.7	61.7	54.7	12.9	72.6	169.7	
Lavina/WC416	MT21_F004_01	96.1	2.89	31.6	62.0	54.5	13.2	78.8	170.7	
Lavina/PI548107	MT20_F099_05	95.2	2.56	31.5	61.9	55.6	14.1	78.8	169.5	
Lavina/clho7074	MT20_F108_13	99.9	2.30	31.8	63.5	56.3	13.2	78.3	170.9	
LAVINA/perfekta	MT20_F109_08	86.5	2.79	31.6	61.8	55.0	12.8	73.3	171.5	
LAVINA/perfekta	MT20_F109_22	102.6	2.71	32.5	63.0	55.6	12.9	74.7	169.2	
Lavina/PI274620	MT20_F110_19	87.4	2.61	32.9	62.9	55.4	13.4	83.0	171.5	
LAVINA/Atlas	MT20_F111_15	90.4	2.54	32.0	61.8	54.6	13.9	77.4	170.0	
Lavina/WC269	MT21_F001_05	83.0	2.75	33.6	64.3	54.7	14.4	85.2	171.9	
Lavina/Marret's Hooded	MT21_F002_09	66.5	2.56	31.5	61.4	54.6	15.1	81.8	166.9	
Lavina/Marret's Hooded	MT21_F002_11	78.2	2.35	31.9	62.9	54.2	14.1	85.1	169.8	
Lavina/WC8	MT21_F003_01	81.6	2.46	31.5	62.8	55.8	13.8	77.5	169.8	
Lavina/WC8	MT21_F003_05	90.2	2.88	33.1	63.7	54.0	13.4	79.5	169.4	
Lavina/PI506302	MT21_F005_09	88.1	2.19	31.3	62.1	54.6	13.7	73.0	172.9	
Lavina/PI506302	MT21_F005_10	88.6	2.48	32.2	63.5	54.6	13.8	75.9	171.9	
Lavina/PI573611	MT21_F006_07	70.9	2.36	32.9	64.5	53.4	14.9	75.3	167.7	
Lavina/WC96	MT21_F109_03	71.5	2.54	33.7	63.7	54.5	15.5	90.9	169.9	
Lavina/WC96	MT21_F109_11	74.1	2.70	33.3	63.6	55.1	14.6	80.9	168.3	
	Grand Mean	88.1	2.62	32.3	63.0	54.8	13.7	78.5	169.9	
	LSD	3.8	0.43	1.2	1.2	0.4	0.3	6.5	0.8	
	C.V.	3.58	12.13	3.04	1.66	0.53	1.69	6.58	0.41	
	Prob. Entry	<0.001	0.14	0.01	<0.001	<0.001	<0.001	0.01	<0.001	

2024 Forage Barley Intrastate - Creston

Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina	73.3	4.94	33.9	60.2	50.2	11.1	90.6	188.3	210.2
	Cowgirl	80.1	4.53	36.2	62.2	49.5	10.9	95.2	183.2	209.7
	Haymaker	95.6	5.62	32.9	56.0	50.3	10.7	97.8	188.7	209.8
Lavina/ND24260	MT16F01601	94.5	4.34	33.8	60.5	50.0	11.3	93.9	183.0	212.0
LAVINA/ND24388	MT17F02410	129.2	5.91	33.3	57.9	51.2	10.2	93.2	189.8	211.4
Lavina/Atlas	MT20_F097_01	107.0	5.12	36.7	62.4	51.0	10.8	99.1	187.1	211.3
Lavina/Totem	MT20_F098_01	104.3	5.70	33.3	57.1	48.6	10.5	91.4	187.2	210.3
Lavina/Totem	MT20_F098_24	102.2	5.71	33.4	57.4	50.8	10.2	102.0	188.6	209.9
Lavina/WC416	MT21_F004_01	87.7	5.00	35.6	61.5	51.3	10.3	89.7	189.5	211.9
Lavina/PI548107	MT20_F099_05	99.0	5.46	34.1	58.1	52.3	10.5	92.3	183.0	211.0
Lavina/clho7074	MT20_F108_13	126.7	4.86	34.3	59.7	52.4	10.0	96.1	187.6	213.1
LAVINA/perfekta	MT20_F109_08	109.8	6.00	35.5	60.3	52.5	9.8	98.2	189.6	212.8
LAVINA/perfekta	MT20_F109_22	128.0	6.13	30.3	51.8	50.6	10.7	94.4	183.7	211.6
Lavina/PI274620	MT20_F110_19	78.1	5.35	38.1	64.3	50.6	11.3	96.9	188.9	212.6
LAVINA/Atlas	MT20_F111_15	71.8	5.30	34.5	58.7	48.6	11.1	104.6	183.5	210.0
Lavina/WC269	MT21_F001_05	104.1	5.35	35.9	60.7	51.7	11.4	96.9	190.0	210.6
Lavina/Marret's Hooded	MT21_F002_09	77.3	5.18	34.0	57.7	47.0	13.8	97.0	186.8	210.1
Lavina/Marret's Hooded	MT21_F002_11	89.4	4.69	33.4	59.2	48.0	11.3	92.7	189.9	211.8
Lavina/WC8	MT21_F003_01	70.0	5.11	35.0	60.4	51.0	10.4	97.8	189.0	210.3
Lavina/WC8	MT21_F003_05	83.9	4.75	36.0	62.3	50.1	10.8	91.0	187.7	209.5
Lavina/PI506302	MT21_F005_09	108.7	4.60	33.4	59.1	51.5	10.4	96.1	190.0	211.7
Lavina/PI506302	MT21_F005_10	102.0	4.49	34.6	60.3	49.5	10.8	92.0	190.3	212.3
Lavina/PI573611	MT21_F006_07	89.9	6.03	35.1	61.7	47.0	13.6	104.6	182.9	208.6
Lavina/WC96	MT21_F109_03	90.9	4.29	35.9	60.7	49.3	11.7	108.5	182.6	209.8
Lavina/WC96	MT21_F109_11	87.5	6.15	38.1	63.2	51.3	10.7	113.1	182.9	210.0
	Grand Mean	95.6	5.22	34.7	59.7	50.2	11.0	97.0	187.0	210.9
	LSD	16.5	0.86	2.2	4.2	0.7	0.4	7.5	2.1	1.5
	C.V.	12.51	11.98	5.29	5.58	1.10	3.28	5.61	0.82	0.55
	Prob. Entry	<0.001	0.01	<0.001	0.05	<0.001	<0.001	<0.001	<0.001	<0.001

2024 Forage Barley Intrastate - Powell, WY

Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina	109.4	6.51	38.1	66.9	50.3		90.7	178.2	204.1
	Cowgirl	117.0	5.61	40.2	69.8	50.6		98.7	179.2	204.1
	Haymaker	114.7	4.46	35.0	61.8	46.9		100.9	180.9	204.6
Lavina/ND24260	MT16F01601	112.3	4.63	38.9	68.4	49.4		86.3	178.4	204.1
LAVINA/ND24388	MT17F02410	132.3	5.32	35.5	63.5	50.5		88.2	180.9	206.0
Lavina/Atlas	MT20_F097_01	110.3	5.82	39.1	67.7	50.7		96.1	179.9	205.9
Lavina/Totem	MT20_F098_01	124.7	5.57	39.6	70.0	51.8		92.9	180.0	203.9
Lavina/Totem	MT20_F098_24	121.4	6.28	38.0	66.3	50.6		88.4	179.9	204.0
Lavina/WC416	MT21_F004_01	122.0	7.15	41.2	71.2	51.4		90.9	179.6	204.5
Lavina/PI548107	MT20_F099_05	124.5	6.22	38.5	67.5	52.0		95.0	179.2	205.4
Lavina/clho7074	MT20_F108_13	125.5	5.97	37.7	67.1	51.6		90.3	182.2	206.1
LAVINA/perfekta	MT20_F109_08	116.0	6.33	39.4	68.2	51.4		93.7	180.9	205.9
LAVINA/perfekta	MT20_F109_22	112.7	6.04	38.0	67.1	50.6		89.6	178.7	205.4
Lavina/PI274620	MT20_F110_19	115.3	5.55	36.2	63.2	51.4		96.7	181.0	205.4
LAVINA/Atlas	MT20_F111_15	116.5	5.08	37.1	64.6	50.3		92.7	179.9	205.4
Lavina/WC269	MT21_F001_05	94.6	5.25	35.1	61.5	51.5		90.4	183.8	204.1
Lavina/Marret's Hooded	MT21_F002_09	90.5	5.68	38.0	65.6	46.3		100.1	177.1	204.1
Lavina/Marret's Hooded	MT21_F002_11	106.1	5.53	35.5	63.8	48.4		99.1	179.3	205.2
Lavina/WC8	MT21_F003_01	102.5	4.98	31.6	56.8	51.1		95.1	181.7	204.6
Lavina/WC8	MT21_F003_05	117.5	4.39	36.3	64.7	50.8		94.3	179.3	204.0
Lavina/PI506302	MT21_F005_09	120.1	5.34	37.4	67.1	50.4		84.8	182.9	206.1
Lavina/PI506302	MT21_F005_10	129.2	5.28	33.8	61.3	50.4		84.9	180.8	205.2
Lavina/PI573611	MT21_F006_07	99.1	4.67	36.6	64.9	45.3		92.3	178.4	204.1
Lavina/WC96	MT21_F109_03	83.1	5.70	40.4	69.9	50.0		106.6	179.4	204.0
Lavina/WC96	MT21_F109_11	91.9	5.29	45.1	76.2	52.1		106.1	179.2	204.5
	Grand Mean	112.4	5.55	37.7	66.2	50.2		93.8	180.0	204.8
	LSD	9.4	0.88	2.8	4.3	1.7		5.4	1.0	0.8
	C.V.	6.66	12.83	6.20	5.53	2.72		4.40	0.47	0.32
	Prob. Entry	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001

2024 Forage Barley Intrastate - Conrad

Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina		2.67							
	Cowgirl		2.17							
	Haymaker		2.44							
Lavina/ND24260	MT16F01601		2.26							
LAVINA/ND24388	MT17F02410		2.4							
Lavina/Atlas	MT20_F097_01		2.72							
Lavina/Totem	MT20_F098_01		2.03							
Lavina/Totem	MT20_F098_24		2.16							
Lavina/WC416	MT21_F004_01		2.35							
Lavina/PI548107	MT20_F099_05		2.52							
Lavina/clho7074	MT20_F108_13		2.48							
LAVINA/perfekta	MT20_F109_08		2.75							
LAVINA/perfekta	MT20_F109_22		2.12							
Lavina/PI274620	MT20_F110_19		2.5							
LAVINA/Atlas	MT20_F111_15		2.11							
Lavina/WC269	MT21_F001_05		2.45							
Lavina/Marret's Hooded	MT21_F002_09		2.01							
Lavina/Marret's Hooded	MT21_F002_11		2.42							
Lavina/WC8	MT21_F003_01		2.65							
Lavina/WC8	MT21_F003_05		2.35							
Lavina/PI506302	MT21_F005_09		2.42							
Lavina/PI506302	MT21_F005_10		2.89							
Lavina/PI573611	MT21_F006_07		2.58							
Lavina/WC96	MT21_F109_03		2.44							
Lavina/WC96	MT21_F109_11		2.59							
	Grand Mean		2.42							
	LSD		0.33							
	C.V.		8.33							
	Prob. Entry		<0.001							

2024 Forage Barley EYT - Bozeman										
Pedigree	Name	Grain Yield	Forage Yield	ADF	NDF	Test Weight	Protein	Height	Heading	Maturity
	Lavina		6.2	32.8	60.3			87.6	182.0	206.2
	Hays		7.36	32.9	60.0			86.8	182.6	208.9
	Cowgirl		6.32	32.9	59.0			90.6	180.9	206.7
	Haymaker		7.47	35.8	62.7			92.5	182.8	205.1
Hays/B9	MT22_F001_01		6.98	32.6	57.9			84.1	181.0	207.2
Hays/B9	MT22_F001_09		7.13	32.6	58.3			90.9	181.3	208.9
Hays/B9	MT22_F001_13		6.66	31.4	56.6			90.2	181.4	209.0
Hays/B9	MT22_F001_15		6.93	31.2	56.5			91.3	183.3	208.0
Hays/Perfecta	MT22_F002_08		6.55	29.6	53.8			93.1	182.6	207.0
Hays/Perfecta	MT22_F002_10		6.55	29.9	54.4			88.9	182.7	207.7
Hays/ND24388	MT22_F003_07		6.22	29.9	53.4			91.0	180.1	207.3
Hays/ND24388	MT22_F003_09		7.08	30.2	55.3			85.7	180.4	207.9
Hays/ND24388	MT22_F003_10		6.57	31.1	56.5			88.1	183.4	211.2
Hays/ND24388	MT22_F003_15		5.66	30.8	56.2			84.1	180.9	206.9
Hays/ND24388	MT22_F003_16		6.25	31.0	55.9			80.3	183.3	207.6
Hays/ND24388	MT22_F003_21		6.08	30.0	54.7			86.1	181.3	210.6
Hays/ND24388	MT22_F003_23		6.17	27.0	50.0			83.6	183.4	209.5
Lavina/B159	MT22_F004_04		6.52	31.9	57.3			92.6	178.9	205.9
Lavina/B159	MT22_F004_07		6.06	30.0	54.0			91.8	179.2	206.0
Lavina/B159	MT22_F004_10		6.55	30.1	53.2			88.2	179.8	206.5
Lavina/B159	MT22_F004_12		5.97	33.5	59.2			89.9	180.2	205.4
Lavina/Perfecta	MT22_F005_03		6.39	30.6	54.9			97.8	181.6	206.0
Lavina/Perfecta	MT22_F005_08		5.91	31.4	56.6			85.7	177.6	206.8
Lavina/Perfecta	MT22_F005_14		7.38	34.6	61.3			93.0	178.8	205.9
MT16M01801/Lavina	MT22_F007_02		7.25	29.4	54.1			92.1	181.3	206.9
MT16M01801/Lavina	MT22_F007_07		6.67	34.8	63.1			81.8	177.9	206.3
MT16M01801/Lavina	MT22_F007_20		5.72	28.4	52.4			88.2	181.7	206.8
MT16M01801/Lavina	MT22_F007_27		6.77	30.5	54.5			92.5	180.6	206.5
MT16M01801/Lavina	MT22_F007_29		6.98	33.0	58.9			86.4	178.2	206.4
MT16M02106/Lavina	MT22_F008_01		6.14	30.1	54.8			87.9	179.2	207.3
MT16M02106/Lavina	MT22_F008_02		6.04	30.8	55.5			89.8	178.1	205.7
MT16M02106/Lavina	MT22_F008_03		5.99	29.6	53.5			83.4	177.6	206.2
MT16M02106/Lavina	MT22_F008_05		6.5	30.6	54.9			93.1	178.4	207.0
MT16M02106/Lavina	MT22_F008_13		6.26	31.5	56.4			91.4	180.1	206.6
MT16M06404/Lavina	MT22_F009_07		6.61	34.0	60.3			88.4	180.7	206.1
MT16M06404/Lavina	MT22_F009_15		7.02	32.7	57.5			89.3	178.4	206.2
	Grand Mean		6.52	31.4	56.5			88.8	180.6	207.1
	LSD		0.83	3.3	5.8			2.8	1.3	1.2
	C.V.		7.48	7.72	7.5			2.32	0.52	0.44
	Prob. Entry		0.03	0.02	0.1			<0.001	<0.001	<0.001

Grain data missing due to hail

2024 Forage Barley PYT - Bozeman 1/2

Pedigree	Name	Grain Yield	Forage Yield	Test Weight	Protein	Height	Heading	Maturity
	Cowgirl		7.17			95.6	182.5	
	Lavina		7.15			90.9	182.5	
	Haymaker		6.73			91.9	184.3	
MT16F02410/PI190200	MT23_F001_01		7.14			90.3	184.8	
MT16F02410/PI190200	MT23_F001_02		6.81			98.0	183.1	
MT16F02410/PI190200	MT23_F001_03		8.29			91.8	184.1	
B92/MT16F02902	MT23_F002_02		6.25			92.1	181.8	
B92/MT16F02902	MT23_F002_03		7.65			82.5	184.1	
B92/MT16F02902	MT23_F002_05		6.81			96.6	181.8	
B92/MT16F02902	MT23_F002_06		6.76			93.3	176.1	
MT16F02902/B92	MT23_F003_02		6.75			85.6	183.8	
MT16F02902/B92	MT23_F003_03		6.53			95.3	181.8	
MT16F02902/B92	MT23_F003_06		5.72			89.8	181.1	
MT16F02902/B92	MT23_F003_08		7.19			96.8	181.8	
MT16F02902/B92	MT23_F003_09		8.49			88.6	184.8	
MT16F02902/B94	MT23_F004_01		6.65			90.0	186.1	
MT16F02902/B94	MT23_F004_02		7.84			105.8	181.8	
MT16F02902/B94	MT23_F004_03		5.74			89.0	179.1	
MT16F02902/B94	MT23_F004_04		5.88			90.3	182.8	
MT16F02902/PI643283_ND14701	MT23_F005_01		6.84			88.6	182.4	
MT16F02902/PI643283_ND14701	MT23_F005_04		6.52			89.1	179.8	
MT16F02902/PI643283_ND14701	MT23_F005_08		6.24			90.6	182.4	
MT16F02902/PI643283_ND14701	MT23_F005_09		5.36			87.3	184.1	
MT16F02902/PI643283_ND14701	MT23_F005_10		4.14			94.6	183.8	
MT16F02902/PI643283_ND14701	MT23_F005_14		6.11			88.6	183.8	
MT16F02902/PI67381	MT23_F006_02		6.44			98.6	183.4	
MT16F02902/PI67381	MT23_F006_03		5.48			103.6	183.8	
MT16F02902/PI67381	MT23_F006_08		5.41			90.5	178.1	
MT16M01801/MT18F00805	MT23_F008_02		6.29			93.6	182.4	
MT16M01801/MT18F00805	MT23_F008_03		6.25			87.5	183.1	
MT18F00117/PI349896	MT23_F009_06		5.7			95.6	187.8	
MT18F00117/PI349896	MT23_F009_08		7.27			99.3	185.1	
MT18F00117/PI349896	MT23_F009_11		5.93			90.6	185.8	
MT18F00117/PI349896	MT23_F009_12		7.16			99.3	186.8	
MT18F00117/PI349896	MT23_F009_13		6.09			93.6	183.8	
MT18F00117/PI349896	MT23_F009_14		6.6			84.8	184.1	
MT18F00206/B94	MT23_F010_01		7.04			103.6	183.4	
MT18F00206/B94	MT23_F010_02		5.58			84.6	186.8	
MT18F00206/B94	MT23_F010_04		7.41			91.5	186.1	
MT18F00206/B151	MT23_F011_05		5.11			97.6	181.4	
MT18F00206/B151	MT23_F011_07		7.47			100.1	182.8	
MT18F00206/B151	MT23_F011_12		6.62			93.6	185.8	
MT18F00206/B151	MT23_F011_14		7.25			98.3	185.8	
MT18F00206/MT16F02410	MT23_F012_01		6.67			97.5	188.1	
MT18F00206/MT16F02410	MT23_F012_03		7.76			106.3	186.8	
MT18F00206/MT16F02410	MT23_F012_05		5.94			91.3	186.1	
MT18F00206/MT16F02410	MT23_F012_06		7.56			91.6	183.8	
MT18F00206/MT16F02410	MT23_F012_10		5.73			92.0	182.1	
MT18F00206/MT16F02410	MT23_F012_11		6.26			98.6	185.4	
MT18F00206/MT16F02410	MT23_F012_12		7.17			92.0	186.1	
MT18F00206/MT16F02410	MT23_F012_14		6.87			97.6	186.8	
MT18F00206/MT18M01106	MT23_F013_02		7.88			91.8	186.8	
MT18F00206/MT18M01106	MT23_F013_04		8.18			78.8	185.8	
MT18F00206/MT18M01106	MT23_F013_05		6.78			92.1	182.8	
MT18F00206/MT18M01106	MT23_F013_07		6.22			93.6	182.8	
MT18F00206/PI349896	MT23_F014_01		5.24			85.8	178.1	
MT18F00206/PI349896	MT23_F014_02		7.43			81.8	182.1	
MT18F00206/PI349896	MT23_F014_05		7.86			97.6	182.4	
MT18F00206/PI414409	MT23_F015_04		6.88			86.0	184.1	
MT18F00206/PI414409	MT23_F015_07		6.27			89.6	184.8	
MT18F00206/PI485530	MT23_F016_02		6.08			95.0	188.1	
MT18F00206/PI485530	MT23_F016_05		6.44			100.1	184.4	
MT18F00206/PI485530	MT23_F016_06		7.44			97.3	188.8	
MT18F00206/PI485530	MT23_F016_07		6.22			82.5	185.1	
MT18F00206/UC1490	MT23_F017_03		5.65			87.5	183.1	
MT18F00206/UC1490	MT23_F017_05		7.32			91.6	186.8	
MT18F00206/UC1490	MT23_F017_06		7.4			93.3	189.1	
MT18F00206/UC1490	MT23_F017_08		6.35			79.5	185.1	
MT18F00403/MT18M10106	MT23_F018_01		8.51			92.6	186.8	
MT18F00403/MT18M10106	MT23_F018_05		4.24			90.8	184.8	
MT18F00403/PI338354	MT23_F019_01		7.6			109.3	184.1	
MT18F00403/PI338354	MT23_F019_02		6.44			92.6	182.8	
MT18F00411/B92	MT23_F020_04		7.32			94.8	182.8	
MT18F00411/B92	MT23_F020_06		6.13			87.1	184.4	
MT18F00411/B94	MT23_F021_01		5.17			85.1	183.4	
	Grand Mean		6.75			91.8	183.9	
	LSD		1.89			9.4	1.94	
	C.V.		10.5			3.82	0.39	

2024 Forage Barley PYT - Bozeman 2/2

Pedigree	Name	Grain Yield	Forage Yield	Test Weight	Protein	Height	Heading	Maturity
	Cowgirl		7.17			95.6	182.5	
	Lavina		7.15			90.9	182.5	
	Haymaker		6.73			91.9	184.3	
MT18F00411/B94	MT23_F021_08		7.36			93.6	182.4	
MT18F00411/PI190200	MT23_F022_01		7.41			87.3	184.8	
MT18F00411/PI190200	MT23_F022_05		7.11			82.6	185.4	
MT18F00411/PI190200	MT23_F022_07		6.81			81.0	183.1	
MT18F00411/PI190200	MT23_F022_08		7.89			91.6	184.4	
MT18F00411/PI349896	MT23_F023_04		5.84			99.8	185.8	
MT18F00411/PI414409	MT23_F024_09		7.06			90.1	185.8	
MT18F00411/PI414409	MT23_F024_10		5.52			88.6	184.4	
MT18F00411/PI414409	MT23_F024_11		6.71			98.1	185.8	
MT18F00411/PI498439	MT23_F025_02		5.73			93.0	182.1	
MT18F00411/PI498439	MT23_F025_05		5.8			97.3	183.1	
MT18F00503/MT16F02902	MT23_F026_05		6.36			96.6	183.8	
MT18F00503/MT16F02902	MT23_F026_09		5.99			86.3	184.1	
MT18F00503/MT16F02902	MT23_F026_12		7.14			91.8	182.8	
MT18F00503/PI414409	MT23_F027_02		6.62			95.6	185.8	
MT18F00503/PI414409	MT23_F027_03		7.76			95.3	186.1	
MT18F00503/PI414409	MT23_F027_04		4.94			94.0	187.1	
MT18F00503/PI414409	MT23_F027_05		7.35			85.8	186.8	
MT18F00503/PI414409	MT23_F027_06		6.18			86.8	184.1	
MT18F00503/PI414409	MT23_F027_09		6.55			91.3	183.8	
MT18F00503/PI414409	MT23_F027_10		7.06			87.3	185.1	
MT18F00503/UC1410	MT23_F029_01		7.36			91.3	185.1	
MT18F00503/UC1410	MT23_F029_03		8.06			84.6	184.8	
MT18F00503/UC1410	MT23_F029_04		6.15			84.6	185.8	
MT18F00503/UC1410	MT23_F029_06		7			93.1	183.8	
MT18F00607/PI338354	MT23_F030_01		5.57			91.5	181.1	
MT18F00607/PI338354	MT23_F030_03		7.54			94.3	183.8	
MT18F00607/PI338354	MT23_F030_04		6.72			98.3	185.8	
MT18F00607/PI338354	MT23_F030_06		7.39			87.0	185.1	
MT18F00607/PI349896	MT23_F031_02		7.91			98.3	184.8	
MT18F00607/PI349896	MT23_F031_05		6.11			92.0	184.1	
MT18F00607/PI485530	MT23_F032_02		7.1			94.6	184.8	
MT18F00607/PI485530	MT23_F032_04		7.83			99.1	186.8	
MT18F00607/PI485530	MT23_F032_05		6.58			90.8	182.1	
MT18F00607/PI498433	MT23_F033_01		7.99			90.8	183.1	
MT18F00607/PI498433	MT23_F033_03		6.84			86.3	185.1	
MT18F00607/PI498433	MT23_F033_04		5.19			85.1	187.8	
MT18F00607/PI498433	MT23_F033_05		7.27			93.3	185.1	
MT18F00607/PI498434	MT23_F034_01		8.44			90.3	183.1	
MT18F00607/PI498434	MT23_F034_02		8.05			89.3	182.8	
MT18F00607/PI498434	MT23_F034_03		7.64			102.6	182.8	
MT18F00607/PI498434	MT23_F034_04		6.66			91.6	183.4	
MT18F00607/PI498434	MT23_F034_05		6.15			91.6	182.4	
MT18F00607/UC1390	MT23_F035_01		7.53			91.0	183.1	
MT18F00607/UC1390	MT23_F035_02		8.1			97.6	182.8	
MT18F00607/UC1390	MT23_F035_03		7.59			93.3	183.8	
MT18F00607/UC1390	MT23_F035_06		5.63			87.1	181.8	
MT18F00607/UC1390	MT23_F035_07		6.08			82.6	183.4	
MT18F00607/UC1390	MT23_F035_08		6.07			83.6	184.8	
MT18F00805/MT16F02902 f2	MT23_F036_01		5.93			92.5	182.1	
MT18F00805/MT16F02902 f2	MT23_F036_04		7.64			95.8	183.8	
MT18F00805/MT16F02902 f2	MT23_F036_05		6.68			86.1	182.4	
MT18F00805/MT16F02902 f2	MT23_F036_06		6.7			93.1	181.8	
MT18F00805/MT16F02902 f2	MT23_F036_07		5.89			88.3	183.1	
MT18F00805/MT16F02902 f2	MT23_F036_09		6.73			94.6	184.8	
MT18F00805/MT16F02902 f2	MT23_F036_10		6.72			95.6	180.4	
MT18F00805/MT16F02902 f2	MT23_F036_12		6.46			91.6	185.8	
MT18F00805/MT16F02902 f2	MT23_F036_13		5.5			85.0	185.1	
MT18F00805/MT16F02902 f2	MT23_F036_14		8.03			90.6	182.8	
MT18F00805/MT16F02902 f2	MT23_F036_15		6.63			90.1	183.4	
MT16F02410/PI485530	MT23_F115_01		7.11			88.1	183.8	
MT16F02410/PI485530	MT23_F115_02		7.18			88.6	183.8	
MT16F02410/PI485530	MT23_F115_03		6.31			90.1	183.8	
MT18F00805 / PI414409 F4	MT23_F122_01		8.57			77.1	184.8	
MT18F00805 / PI414409 F4	MT23_F122_02		7.2			93.6	184.4	
MT18F00805 / PI414409 F4	MT23_F122_03		7.99			93.6	184.8	
MT18F00805 / PI414409 F4	MT23_F122_04		5.49			83.6	184.4	
MT18F00805 / PI414409 F4	MT23_F122_05		8.02			82.8	185.1	
MT18F00805 / PI414409 F4	MT23_F122_06		6.3			82.1	184.8	
MT18F00205 / PI349896 F4	MT23_F123_01		7.03			84.6	183.8	
MT18F00205 / PI349896 F4	MT23_F123_02		4.26			101.6	180.4	
MT18F00205 / PI349896 F4	MT23_F123_03		6.94			95.1	177.8	
	Grand Mean		6.75			91.8	183.9	
	LSD		1.89			9.4	1.94	
	C.V.		10.5			3.82	0.39	

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Plant Sciences and Plant Pathology Department, Montana State University, Bozeman, MT

Dr. Jamie Sherman

Associate Professor & Barley Breeder
Barley Breeding Program

Hannah Uhlmann

Director
Barley Malt and Brewing Quality Lab

Doug Holen

Manager
Montana Foundation Seed Program

Clayton Edwards

Research Associate,
Montana Foundation Seed Program

Greg Lutgen

Research Associate
Barley Breeding Program

Dave Gettel

Farm Operations Manager
Arthur H. Post Research Farm

BranDee Johnston

Crop Variety Promotions and Education Specialist
Montana Foundation Seed

Deanna Nash

Manager
Cereal Quality Laboratory

Southern Agricultural Research Center (SARC), Huntley, MT

Dr. Kent McVay

Superintendent & Extension Cropping Systems
Specialist

Dr. Qasim Khan

Research Scientist

Northern Agricultural Research Center (NARC), Havre, MT

Peggy Lamb

Research Scientist and Agronomist

Eastern Agricultural Research Center (EARC), Sidney MT

Dr. Chengci Chen

Superintendent & Professor

Calla Kowatch-Carlson

Research Assistant

Northwestern Agricultural Research Center (NWARC), Creston, MT

Dr. Jessica Torrion

Department Head, Department of Research
Centers & Superintendent

Dr. Joe Jensen

Assistant Professor

Central Agricultural Research Center (CARC), Moccasin, MT

Dr. Patrick Carr

Superintendent & Associate Professor

Dr. Jed Eberly

Associate Professor

McKenna Volkman

Research Associate

Jenni Hammontree

Lab Manager

Western Triangle Agricultural Research Center (WTARC), Conrad, MT

Peggy Lamb

Research Scientist and Agronomist

University of Wyoming Laramie, WY

Dr. Clint Biermann

Assistant Professor

Second Nature Research, LLC Yuma, AZ

Donny Gray

Director of Research and Varietal Development