

TITLE: 2011 Statewide Barley Performance Trials

PRINCIPLE INVESTIGATOR: Tom Blake & Stan Bates, Research Center personnel involved with this project include Peggy Lamb, Ken Kephart, Bob Stougaard, Dave Wichman, Joyce Eckhoff, and John Miller.

OBJECTIVES: Evaluate the effects of differing systems on crop and variety performance under diverse environments represented across the Montana Agricultural Experiment Station – Research Center Network.

RESULTS: The statewide (intrastate) barley variety nursery was grown at six dryland locations and five irrigated locations in the state. The dryland locations were Bozeman, Conrad, Havre, Huntley, Moccasin, and Sidney, The irrigated locations included Bozeman, Conrad, Huntley, Kalispell, and Sidney. Table 1 summarizes all traits across all locations in the state, while Table 2 summarizes all traits for dryland locations. Table 9 is a summary of all traits for irrigated locations in Montana. Specific performance traits at each location can be found in tables 3 through 8 for dryland, and tables 10 through 15 for irrigated production.

The top yielder for dryland production in 2011 was Champion with a statewide average of over 90 bu/acre. Other released varieties that were statistically equal to Baronesse include Conrad, Copeland, Geraldine, Harrington, Scarlett, and Amsterdam. For Irrigated production the top released variety was Conrad, with Baronesse, Scarlett, Geraldine, Copeland, Haxby, and Harrington in the same yield group.

FUNDING SUMMARY: Expenditure information will be provided by OSP upon request.

FUTURE PLANS: These trials will continue in 2012. The Statewide Barley Performance Trials are not a component of the Research Center's umbrella project. This information is presented here for the convenience of the MWBC and the growers who generate MWBC check-off dollars.

2011 Spring Barley Summary

All Locations

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

2011 Spring Barley Summary

All Locations

State Wide

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

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

2011 Spring Barley Summary

Dryland Locations (1)

State Wide

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

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

2011 Spring Barley Summary

Dryland Locations (1)

State Wide

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

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

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

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

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

2011 Spring Barley Statewide Summary

Dryland Locations

Plump %

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

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

2011 Spring Barley Statewide Summary

Dryland Locations

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

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

2011 Spring Barley Statewide Summary

Dryland Locations

Protein %

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

2011 Spring Barley Statewide Summary

Dryland Locations

Protein %

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

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

2011 Spring Barley Summary

Irrigated Locations (1)

		State Wide				Irrigated Locations (1)		
ID	Pedigree	Yield Bu/ac	Test wt lbs/bu	Plump %	Thin %	Protein %	Heading Date	Plant Ht in
2B965057	Conrad	90.87	49.71	84.00	6.95	13.56	192.84	27.41
6B952482	Tradition	82.24	49.32	83.59	7.10	12.60	190.28	30.49
COPELAND	Copeland	90.02	49.45	82.29	7.37	12.07	193.51	31.68
EM090081	05037-079	80.41	50.48	83.11	6.23	13.65	195.25	28.63
EM090105	05032-068	87.08	49.22	80.08	9.07	12.82	192.06	28.63
EM090117	03013-25	90.02	49.84	85.48	7.99	13.34	196.80	27.16
EM090128	03021-03	93.13	50.52	81.96	9.17	13.10	194.56	25.94
MT010158	Amsterdam	76.81	50.49	81.16	6.04	12.95	192.66	28.89
MT010160	MT920041/Harrington	79.76	50.08	76.81	9.72	12.87	193.13	30.04
MT020155	MT960225/H1851195	85.81	50.09	79.86	7.22	12.61	189.23	29.04
MT020162	MT960225/H1851195	84.55	49.41	77.21	8.37	12.85	193.94	29.09
MT030042	MT910189/MT960099	83.50	50.53	73.08	11.98	12.29	191.26	27.59
MT061035	Baronesse/MT981210	98.63	49.99	83.84	6.48	12.45	192.93	27.00
MT061104	Harrington/MT970229	83.48	50.70	87.76	3.74	12.83	190.95	29.86
MT061134	Kendal/Conlon	86.16	49.56	86.44	4.72	12.96	192.40	28.86
MT061169	MT960101/Coors 37	91.82	50.87	84.83	6.09	13.17	192.92	27.48
MT061201	MT970110/LK232	81.28	49.99	81.50	7.70	12.85	191.28	29.43
MT070086	MT970148/Coors37	88.51	50.07	86.17	5.93	12.43	192.82	22.96
MT070111	MT010178/Harrington	92.48	50.90	82.52	8.25	12.86	191.94	29.87
MT070125	MT981210/MT970116	85.63	51.18	81.67	6.74	13.00	194.28	29.37
MT070136	MT010178/MT970148	83.82	50.24	83.87	6.63	13.45	195.13	29.57
MT070148	MT990172/Metcalfe	81.36	50.18	89.92	4.36	13.08	190.65	28.72
MT070158	MT970148/Klages	91.60	50.37	86.73	4.64	13.34	190.77	27.47
MT070159	MT970148/Klages	91.16	49.95	87.22	4.43	12.37	190.63	26.20
MT070161	MT970148/Klages	86.53	50.81	87.31	4.67	12.70	190.90	26.60
MT070174	LK644///Hockett F5	77.79	50.79	90.36	3.18	11.32	191.09	28.05
MT070175	LK644///Hockett F5	87.01	50.38	84.14	5.50	11.32	192.45	29.63
MT080081	Coors/Metcalfe	88.49	50.46	88.62	4.26	12.81	193.85	26.37
MT080083	Coors/Metcalfe	91.32	50.38	86.74	4.44	12.85	194.12	27.15
MT080085	Coors/Metcalfe	81.51	50.91	84.19	7.67	12.90	194.23	28.13
MT080100	Karma	40.63	54.88	78.23	9.43	15.42	192.09	28.24
MT080243	MT960101/MT981210	87.92	49.91	78.63	10.04	12.53	193.19	29.73
MT080261	MT970026/MT981091	80.33	49.51	75.41	9.58	12.79	190.45	27.74
MT080279	MT970148/MT970116	91.58	50.15	82.74	6.26	12.50	190.14	26.56
MT080281	MT970148/MT970116	88.60	50.04	85.54	6.03	12.18	190.95	25.61
MT080285	MT970148/MT970116	90.02	50.51	85.37	5.15	12.90	191.40	26.82
MT090169	MT910189*/LK644/EslickBC3F43G3	83.68	49.90	81.82	7.41	11.16	191.18	28.03
MT090176	MT910189*/LK644/EslickBC3F33-G	82.62	49.99	78.51	8.10	11.39	194.56	30.49
MT090178	MT910189*/LK644/EslickBC3F33-G	85.20	50.99	85.18	5.97	11.56	193.96	29.87
MT090180	MT910189*/LK644/EslickBC3F33-G	90.38	49.41	79.09	9.86	11.86	193.85	30.62
MT090181	MT910189*/LK644/EslickBC3F33-G	86.60	50.53	85.97	5.36	11.93	193.52	29.97
MT090182	MT910189*/LK644/EslickBC3F33-G	88.47	49.91	79.54	7.80	11.68	193.88	30.55
MT090183	MT910189*/LK644/EslickBC3F33-G	83.53	49.36	79.26	7.43	11.97	193.35	30.30
MT090184	MT910189*/LK644/EslickBC3F33-G	87.34	50.66	82.62	7.24	11.66	195.17	29.71
MT090186	MT910189*/LK644/EslickBC3F33-G	91.55	50.68	83.72	6.44	11.79	194.76	30.82
MT090188	MT910189*/LK644/EslickBC3F33-G	82.68	50.42	83.54	6.06	11.66	194.53	30.34

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

2011 Spring Barley Summary

Irrigated Locations (1)

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

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

2011 Spring Barley Statewide Summary

Irrigated Locations

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

2011 Spring Barley Statewide Summary

Irrigated Locations

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

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Test Wt
lbs/Bu

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Test Wt
lbs/Bu

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

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Plump %

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Plump %

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

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Heading Date

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Heading Date

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

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

2011 Spring Barley Statewide Summary

Irrigated Locations

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

2011 Spring Barley Statewide Summary

Irrigated Locations

**Plant Ht
in**

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

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

2011 Spring Barley Statewide Summary

Irrigated Locations

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

2011 Spring Barley Statewide Summary

Irrigated Locations

Protein %

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

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