

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1	Castroville, TX	SPBARCAS101	2	42.1	97.4	47	79.8	2.2	1	11.8	4.30	37.2	89	55.2	170	191	44
2	Castroville, TX	SPBARCAS102	2	35.4	85.2	50	73.6	1.7	1	16.0	3.91	25.9	100	35.9	521	155	5
3	Castroville, TX	SPBARCAS103	2	37.8	95.2	64	78.2	2.0	1	14.4	5.39	39.6	145	79.8	127	257	40
4	Castroville, TX	SPBARCAS104	6	29.9	80	35	73.8	2.3	1	15.3	4.32	28.3	99	43.9	562	181	13
5	Castroville, TX	SPBARCAS105	2	43.8	99.1	56	79.0	1.6	1	13.3	4.15	32.8	129	63.9	264	191	43
6	Castroville, TX	SPBARCAS106	2	35.4	54.4	9	78.4	1.6	1	18.2	4.74	26.6	113	41.5	803	182	24
7	Castroville, TX	SPBARCAS107	2	37.7	88.9	71	78.0	1.8	1	14.7	4.96	36.0	157	73.2	261	247	31
8	Castroville, TX	SPBARCAS108	2	40.4	96.4	53	79.2	2.1	1	14.0	5.14	38.5	146	61.6	225	245	41
9	Castroville, TX	SPBARCAS109	2	36.5	90.9	61	78.5	2.5	1	15.1	5.83	40.8	142	88.7	202	291	38
10	Castroville, TX	SPBARCAS201	2	35.1	92.9	55	78.4	2.2	1	14.4	5.58	40.4	219	98.8	66	276	49
11	Castroville, TX	SPBARCAS202	2	35.8	67.6	24	74.7	1.6	1	17.5	4.41	25.6	108	40.3	667	175	17
12	Castroville, TX	SPBARCAS203	6	25.8	61.7	0	77.8	2.0	1	16.5	4.97	30.7	112	51.3	677	234	21
13	Castroville, TX	SPBARCAS204	6	30.0	91.5	1	79.5	4.2	1	17.4	5.63	34.0	200	52.6	40	183	49
14	Castroville, TX	SPBARCAS205	6	33.8	64.8	0	77.9	1.5	1	18.2	4.80	27.0	129	44.2	733	193	25
15	Castroville, TX	SPBARCAS206	2	33.6	58.8	0	78.2	1.6	1	18.9	4.83	26.5	127	41.8	725	174	24
16	Castroville, TX	SPBARCAS207	2	37.1	96.1	59	79.6	2.7	1	14.6	6.13	43.0	160	102.2	108	314	41
17	Castroville, TX	SPBARCAS208	2	40.0	95.6	56	77.3	1.7	1	14.2	4.42	32.4	120	61.2	215	195	37
18	Castroville, TX	SPBARCAS209	6	25.6	66.7	0	77.7	1.8	1	16.2	4.56	28.7	106	45.9	729	184	10
19	Castroville, TX	SPBARCAS501	2	40.0	95.4	48	79.4	2.0	1	14.7	5.42	39.6	138	63.0	198	259	42
20	Castroville, TX	SPBARCAS502	2	42.3	98.6	63	79.0	1.7	1	13.6	4.20	32.7	130	64.1	277	173	33
21	Castroville, TX	SPBARCAS503	2	42.1	96.8	52	80.0	2.2	2	11.4	4.19	38.9	83	55.5	170	184	41
22	Castroville, TX	SPBARCAS504	6	29.8	79	22	75.4	1.9	1	15.1	4.03	27.1	117	55.1	562	162	14
23	Castroville, TX	SPBARCAS505	2	38.8	96.6	56	77.1	1.6	1	14.9	4.01	27.2	92	42.3	243	160	16
24	Castroville, TX	SPBARCAS506	2	35.7	95.4	59	78.6	2.7	1	15.3	6.11	41.4	159	100.1	90	320	42
25	Castroville, TX	SPBARCAS507	2	34.8	57.6	18	77.2	1.4	1	18.2	4.58	25.7	114	44.9	761	194	22
26	Castroville, TX	SPBARCAS508	2	36.2	90.6	69	77.5	1.7	1	14.5	4.95	35.5	153	80.1	278	235	33
27	Castroville, TX	SPBARCAS509	6	33.0	61.3	1	76.6	1.8	2	18.2	4.49	24.9	118	42.9	737	163	10
28	Castroville, TX	SPBARCAS601	2	35.3	84.8	54	73.5	1.7	1	16.0	3.81	24.5	95	38.6	511	149	2
29	Castroville, TX	SPBARCAS602	6	25.9	56.5	0	78.0	1.7	1	16.2	4.57	29.0	106	51.4	716	191	16
30	Castroville, TX	SPBARCAS603	2	37.0	92	65	78.4	2.4	1	14.9	5.78	39.5	133	91.6	217	317	33
31		HARRINGTON MALT CHECK	2	41.0	96.8	74	81.4	1.9	1	11.3	4.75	44.4	102	81.4	180	247	59
32	Castroville, TX	SPBARCAS604	2	35.0	62.6	28	76.0	1.5	1	18.4	4.36	24.2	102	41.0	741	161	13
33	Castroville, TX	SPBARCAS605	6	25.8	57.2	4	76.8	1.8	1	16.4	4.71	29.4	110	47.0	737	190	9
34	Castroville, TX	SPBARCAS606	2	34.2	60	3	77.9	1.5	1	18.2	4.85	27.7	116	38.3	739	177	13
35	Castroville, TX	SPBARCAS607	6	29.5	89.4	5	78.9	4.7	2	17.0	5.42	32.0	200	50.6	45	181	43
36	Castroville, TX	SPBARCAS608	2	36.8	93.6	65	77.3	2.4	1	14.5	5.36	37.9	165	83.6	139	276	36
37	Castroville, TX	SPBARCAS609	2	36.8	94.9	57	78.2	4.1	1	15.0	5.27	37.1	212	90.1	110	289	40
38	Riesel, TX	WTBARRSL101	2	39.1	97.17	40	72.8	3.4	2	15.5	4.06	26.5	153	42.3	289	168	22
39	Riesel, TX	WTBARRSL102	2	39.7	98.3	49	76.5	n.d.	3	12.5	3.33	28.7	117	41.2	102	140	28
40	Riesel, TX	WTBARRSL103	6	35.0	93.9	43	72.4	n.d.	3	10.4	2.95	29.6	42	25.8	780	95	15
41	Riesel, TX	WTBARRSL104	2	30.1	92.2	50	78.1	4.6	1	11.3	5.32	48.5	107	90.7	59	297	51
42	Riesel, TX	WTBARRSL105	2	41.3	95.99	42	76.2	2.4	1	11.9	3.76	32.5	139	45.7	149	161	35
43	Riesel, TX	WTBARRSL106	6	33.5	92.2	46	75.9	3.4	2	13.0	4.44	36.4	137	51.6	353	225	37

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44	Riesel, TX	WTBARRSL201	2	42.5	94.5	40	75.3	2.6	1	15.4	4.51	30.9	151	47.5	226	199	35
45	Riesel, TX	WTBARRSL202	2	42.3	98.3	46	75.5	n.d.	3	12.8	3.58	28.8	116	35.9	315	143	24
46	Riesel, TX	WTBARRSL203	2	29.1	78.44	53	78.8	4.2	1	12.6	5.84	46.4	180	109.7	60	313	50
47	Riesel, TX	WTBARRSL204	6	26.4	88.09	14	81.3	n.d.	3	12.8	3.90	31.2	127	36.9	35	120	36
48	Riesel, TX	WTBARRSL205	2	43.9	96.5	40	76.7	3.0	2	13.2	3.98	32.1	161	48.7	160	164	27
49	Riesel, TX	WTBARRSL206	2	40.5	98.5	47	78.4	3.0	1	11.6	4.41	40.6	108	62.1	75	225	60
50	Riesel, TX	WTBARRSL501	6	26.6	87.71	12	81.4	6.3	2	14.7	4.12	29.4	128	33.2	34	137	27
51	Riesel, TX	WTBARRSL502	2	34.8	92.9	52	79.4	4.0	1	13.5	5.61	43.2	131	96.4	36	314	45
52	Riesel, TX	WTBARRSL503	6	28.7	80	54	74.0	3.4	2	14.0	4.56	34.5	165	50.2	190	245	27
53	Riesel, TX	WTBARRSL504	2	42.1	97.6	43	74.8	n.d.	3	13.2	3.77	30.0	114	34.0	300	163	19
54	Riesel, TX	WTBARRSL505	2	42.4	97.65	37	74.7	3.3	2	14.0	3.73	28.4	111	40.2	148	174	22
55	Riesel, TX	WTBARRSL506	2	40.9	95.2	41	74.8	3.0	1	13.8	3.91	30.5	144	41.2	284	135	22
56	Riesel, TX	WTBARRSL601	2	46.0	99	40	75.8	n.d.	3	14.7	4.08	29.6	165	49.9	150	160	27
57	Riesel, TX	WTBARRSL602	2	42.4	96.6	40	74.8	2.7	1	15.5	4.12	27.7	137	45.4	166	194	31
58	Riesel, TX	WTBARRSL603	2	40.4	98	45	77.4	n.d.	3	11.9	3.56	30.4	97	44.6	155	133	23
59	Riesel, TX	WTBARRSL604	6	35.9	95.73	40	71.8	n.d.	3	11.4	2.93	27.8	42	27.4	813	109	15
60	Riesel, TX	WTBARRSL605	2	41.4	97.9	37	72.3	2.8	2	16.6	4.31	27.4	166	43.5	228	184	27
61	Riesel, TX	WTBARRSL606	2	31.9	84.8	45	74.4	3.5	1	13.8	5.37	40.9	146	85.3	233	271	33
62		LACEY MALT CHECK	6	33.2	89.9	44	78.3	3.0	1	13.3	5.52	44.1	169	84.3	127	281	63
63	Thrall, TX	SPBARTHR101	6	33.8	70.18	0	78.7	4.4	1	18.0	5.35	29.8	102	50.0	864	219	30
64	Thrall, TX	SPBARTHR102	6	24.0	63.87	0	77.4	3.0	1	17.9	5.17	30.0	107	52.5	835	232	17
65	Thrall, TX	SPBARTHR103	6	27.9	74.61	2	78.2	3.3	1	15.8	5.01	31.9	108	54.5	639	217	27
66	Thrall, TX	SPBARTHR104	2	32.6	93.2	44	78.3	5.3	2	12.7	5.40	42.5	112	79.9	180	306	48
67	Thrall, TX	SPBARTHR105	6	25.2	58.28	0	78.2	3.9	1	16.6	5.52	33.4	96	62.1	780	268	25
68	Thrall, TX	SPBARTHR106	2	33.7	69.02	0	79.0	4.1	1	18.2	5.09	29.2	101	48.0	889	211	26
69	Thrall, TX	SPBARTHR107	2	33.7	87	45	80.7	n.d.	3	12.8	5.18	41.9	181	47.4	51	188	53
70	Thrall, TX	SPBARTHR108	6	30.3	90.23	15	78.0	4.1	1	13.6	4.90	38.2	96	63.6	225	217	35
71	Thrall, TX	SPBARTHR109	2	35.1	95.8	45	78.5	4.8	2	12.3	4.72	38.9	83	65.7	309	235	39
72	Thrall, TX	SPBARTHR201	2	36.5	95	42	79.6	8.9	1	12.2	7.46	59.2	88	86.7	67	419	43
73	Thrall, TX	SPBARTHR202	2	30.6	92.3	42	79.2	7.4	2	13.1	8.07	61.8	117	104.2	101	454	34
74	Thrall, TX	SPBARTHR203	2	35.9	91.3	35	78.1	5.3	1	15.2	7.27	49.3	153	72.4	208	396	30
75	Thrall, TX	SPBARTHR204	2	30.1	70	34	76.9	5.0	2	13.5	5.75	42.8	101	63.7	201	312	30
76	Thrall, TX	SPBARTHR205	2	30.3	86.5	45	79.8	n.d.	3	13.2	7.54	56.4	108	98.0	109	486	34
77	Thrall, TX	SPBARTHR206	2	34.6	70.9	10	77.9	2.9	1	16.9	5.62	31.8	92	50.2	792	240	17
78	Thrall, TX	SPBARTHR207	2	32.8	89.2	46	79.6	4.8	1	13.2	6.34	49.2	114	91.2	231	346	33
79	Thrall, TX	SPBARTHR208	2	34.0	58.3	4	80.3	4.6	1	17.3	5.89	34.5	76	49.4	854	257	21
80	Thrall, TX	SPBARTHR209	2	29.9	87.1	43	80.3	n.d.	3	11.7	6.71	57.5	83	88.5	143	415	35
81	Thrall, TX	SPBARTHR501	6	35.1	85.7	29	79.1	3.0	1	14.9	5.09	35.5	106	66.6	416	248	37
82	Thrall, TX	SPBARTHR502	2	29.7	68.2	32	77.7	4.6	1	12.7	5.61	44.5	90	60.8	200	299	32
83	Thrall, TX	SPBARTHR503	2	33.4	90.3	49	79.4	3.4	1	12.9	5.34	44.3	117	88.8	289	221	49
84	Thrall, TX	SPBARTHR504	2	33.1	72.2	0	79.3	3.1	1	18.3	6.17	34.5	108	50.0	816	244	22
85	Thrall, TX	SPBARTHR505	2	34.0	65.9	7	79.9	3.5	1	17.5	5.65	32.3	79	50.4	858	239	24
86	Thrall, TX	SPBARTHR506	2	30.2	87	45	80.2	7.4	2	12.7	7.43	61.9	85	91.9	131	409	36

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87	Thrall, TX	SPBARTHRS07	6	26.9	78.8	7	78.1	2.5	1	15.4	5.27	34.9	96	54.9	719	182	23
88	Thrall, TX	SPBARTHRS08	2	37.9	96.6	43	79.8	2.9	1	11.8	4.81	41.2	105	73.4	296	200	52
89	Thrall, TX	SPBARTHRS09	6	24.8	62.6	0	78.9	3.0	1	16.1	5.85	36.1	102	64.8	735	254	24
90	Thrall, TX	SPBARTHRR601	2	34.1	71.8	2	77.6	2.6	1	17.1	5.17	30.6	90	45.9	783	171	13
91	Thrall, TX	SPBARTHRR602	2	34.7	91.6	42	79.2	2.2	1	11.2	4.56	41.5	97	67.9	187	190	43
92		HARRINGTON MALT CHECK	2	40.2	95.8	75	81.7	2.0	1	11.4	4.65	42.8	103	84.5	232	244	59
93	Thrall, TX	SPBARTHRR603	2	35.6	94.2	48	80.4	5.1	2	11.9	6.71	58.5	96	96.1	119	353	38
94	Thrall, TX	SPBARTHRR604	6	30.6	92.3	16	81.4	4.5	1	14.2	5.85	41.5	181	56.3	27	200	48
95	Thrall, TX	SPBARTHRR605	6	27.6	72.6	0	78.6	2.5	1	15.6	5.30	34.2	104	55.5	761	234	28
96	Thrall, TX	SPBARTHRR606	2	35.5	92.8	31	78.9	4.4	1	14.5	6.80	48.1	135	76.2	252	336	30
97	Thrall, TX	SPBARTHRR607	2	34.2	94.6	52	80.9	6.5	1	12.3	6.37	56.4	95	102.2	43	380	43
98	Thrall, TX	SPBARTHRR608	2	29.6	86.2	49	81.1	5.0	1	11.5	6.79	55.2	113	110.4	151	372	41
99	Thrall, TX	SPBARTHRR609	2	39.6	97.2	36	80.6	2.9	2	10.2	4.48	43.9	64	60.5	289	211	44
100	Thrall, TX	WTBARTHRR101	6	27.3	76.8	43	74.6	4.2	2	16.9	6.51	38.3	159	69.8	192	324	23
101	Thrall, TX	WTBARTHRR102	2	36.2	94.6	39	76.1	2.4	1	16.4	5.16	33.3	170	61.1	109	223	36
102	Thrall, TX	WTBARTHRR103	2	29.1	84.6	46	70.5	3.1	2	19.9	5.65	28.5	209	52.1	177	243	23
103	Thrall, TX	WTBARTHRR104	2	26.3	83	42	76.4	n.d.	3	15.2	9.98	66.2	114	99.8	46	523	23
104	Thrall, TX	WTBARTHRR105	6	29.3	65	50	72.3	n.d.	3	13.2	3.86	30.9	60	42.2	540	159	16
105	Thrall, TX	WTBARTHRR201	2	31.7	86.2	43	74.1	2.5	1	16.8	5.01	30.4	114	48.3	168	213	25
106	Thrall, TX	WTBARTHRR202	2	32.3	76.2	43	70.6	3.4	2	20.6	5.80	28.6	149	47.2	298	244	20
107	Thrall, TX	WTBARTHRR203	2	29.0	69.4	46	75.3	4.7	1	15.7	6.39	39.4	170	65.2	113	300	24
108	Thrall, TX	WTBARTHRR204	2	34.6	92.4	44	72.9	2.3	1	18.4	5.01	28.0	163	38.4	446	182	24
109	Thrall, TX	WTBARTHRR205	2	29.0	80.5	48	79.7	8.5	1	13.9	8.51	62.0	140	100.7	79	457	35
110	Thrall, TX	WTBARTHRR501	2	37.2	96.8	49	77.8	3.5	1	15.0	5.26	35.6	165	58.2	82	250	40
111	Thrall, TX	WTBARTHRR502	2	28.9	56.3	44	72.3	2.5	1	18.7	5.32	29.0	273	54.6	109	247	31
112	Thrall, TX	WTBARTHRR503	6	24.9	64.2	52	74.8	4.5	1	16.2	6.86	42.5	230	69.2	82	355	33
113	Thrall, TX	WTBARTHRR504	2	32.7	90.2	45	72.4	2.8	1	16.7	4.62	28.2	192	46.1	227	184	28
114	Thrall, TX	WTBARTHRR505	2	32.7	92.8	43	76.4	3.3	1	15.5	5.05	34.2	138	54.8	87	206	40
115	Thrall, TX	WTBARTHRR601	2	34.1	88	51	72.4	2.1	1	17.9	4.63	25.9	211	36.6	346	194	24
116	Thrall, TX	WTBARTHRR602	6	28.6	51.6	47	70.2	3.5	2	14.4	3.45	24.4	69	34.8	570	148	3
117	Thrall, TX	WTBARTHRR603	2	33.7	78.6	45	71.3	2.7	1	19.2	5.01	26.3	181	44.1	287	220	25
118	Thrall, TX	WTBARTHRR604	2	25.8	68.1	40	75.4	12.1	1	17.3	9.05	50.1	150	86.1	156	508	21
119	Thrall, TX	WTBARTHRR605	2	24.6	78.2	42	74.1	n.d.	3	16.2	10.39	61.8	124	92.7	44	559	26
120	Filer, ID	Charles	2	46.4	87.3	56	78.1	1.9	1	13.3	4.13	32.8	123	44.4	511	210	38
121	Filer, ID	Endeavor	2	39.7	95.7	57	79.0	2.1	1	12.3	4.30	35.5	158	59.5	394	202	45
122	Filer, ID	02Ab431	2	42.1	94.35	47	79.5	2.6	1	13.9	5.38	40.7	138	71.9	260	259	50
123		HARRINGTON MALT CHECK	2	39.8	96.6	72	81.7	2.2	1	11.5	4.74	43.2	118	70.6	81	240	64
124	Filer, ID	02Ab669	2	40.8	96.2	57	80.0	2.4	1	12.5	4.90	39.6	144	69.3	217	239	54
125	Filer, ID	02Ab671	2	45.5	97.44	57	80.6	2.2	1	12.5	4.81	40.9	147	70.1	197	221	60
126	Filer, ID	05ARS551-89	2	39.5	91.5	53	79.1	2.2	1	13.1	4.49	35.1	153	67.1	307	168	39
127	Filer, ID	05ARS551-73	2	40.4	94.6	63	80.9	2.2	1	11.8	4.16	38.0	99	59.4	316	172	38
128	Filer, ID	06ARS617-6	2	38.1	95.4	55	78.5	2.3	1	13.3	5.05	38.9	183	64.9	260	243	44
129	Filer, ID	06ARS633-10	2	42.1	94.24	56	77.5	2.0	1	13.2	4.65	36.2	109	55.3	608	236	40

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
130	Filer, ID	06ARS633-3	2	44.5	96.23	62	79.3	1.9	1	12.3	4.24	36.7	104	57.7	418	186	43
131	Filer, ID	06ARS633-13	2	43.3	95.1	56	79.3	1.9	1	12.4	4.05	34.8	129	54.1	352	140	43
132	Filer, ID	06ARS634-17	2	43.3	96.1	51	76.9	1.7	1	13.3	3.69	28.4	121	38.9	485	135	24
133	Filer, ID	06ARS633-2	2	45.2	95.2	55	78.6	2.1	1	12.9	4.31	33.6	120	50.8	290	166	40
134	Filer, ID	06ARS634-15	2	46.9	97.8	54	78.6	1.6	1	12.4	3.69	30.4	131	34.0	435	139	33
135	Filer, ID	06ARS634-18	2	47.3	97.6	54	78.3	1.8	1	13.2	3.92	32.2	134	39.2	421	144	28
136	Filer, ID	06ARS617-25	2	40.8	98	57	80.0	2.6	1	13.3	5.24	41.0	175	63.7	303	228	54
137	Filer, ID	06ARS669-11	2	45.4	96.9	61	79.3	2.1	1	12.2	4.03	34.5	123	51.6	234	152	43
138	Filer, ID	06ARS617-13	2	44.8	96.3	62	77.5	2.0	1	13.9	4.72	35.4	189	74.2	224	201	38
139	Filer, ID	06ARS634-28	2	48.5	98.22	51	77.2	1.9	1	12.8	3.77	31.4	119	52.4	589	160	33
140	Filer, ID	06ARS634-11	2	44.5	98.22	55	79.1	2.6	1	13.9	5.36	40.4	156	79.9	500	248	47
141	Filer, ID	06ARS634-21	2	43.4	98.2	51	80.0	2.2	1	12.2	4.62	39.2	142	79.1	313	209	55
142	Filer, ID	06ARS617-7	2	42.6	97.66	62	80.9	2.4	1	11.5	4.86	46.1	145	93.5	204	232	60
143	Filer, ID	06ARS633-11	2	46.2	96.38	55	79.0	2.0	1	12.3	4.38	37.3	143	81.2	315	196	48
144	Filer, ID	06ARS634-22	2	46.2	96.3	53	78.9	1.8	1	12.5	4.13	33.6	119	49.2	395	190	42
145	Filer, ID	Ab07W218-3	2	49.4	98.43	53	76.3	1.7	1	14.2	3.98	28.2	165	51.2	715	173	26
146	Filer, ID	07ARS518-7	2	42.6	97.33	59	77.7	1.8	1	14.5	4.50	32.7	233	68.2	219	187	36
147	Filer, ID	07ARS518-9	2	44.7	95.69	60	77.5	1.5	1	13.4	3.83	29.8	145	52.9	749	150	31
148	Filer, ID	07ARS518-13	2	46.6	98.33	59	80.6	2.3	1	12.4	5.01	42.3	203	75.4	96	213	67
149	Filer, ID	07ARS518-23	2	45.0	98.81	69	77.9	1.9	1	14.3	4.53	33.1	186	59.7	277	182	36
150	Filer, ID	07ARS557-5	2	44.3	96.14	55	77.4	2.0	1	13.4	4.10	30.9	142	57.3	429	158	34
151	Filer, ID	07ARS557-9	2	36.8	87.05	62	77.4	2.1	1	14.4	4.77	34.1	171	54.0	308	182	29
152	Filer, ID	07ARS531-11	2	49.2	98.62	49	76.5	2.5	1	16.2	4.98	31.1	216	53.1	564	188	36
153	Filer, ID	07ARS531-13	2	47.1	98.96	57	77.7	1.9	1	14.6	4.26	29.6	154	51.8	393	157	29
154		HARRINGTON MALT CHECK	2	40.4	96.58	75	81.7	2.2	1	11.2	4.69	42.9	114	80.2	93	205	66
155	Filer, ID	07ARS531-21	2	44.6	98.27	52	77.9	2.3	1	13.3	4.48	34.8	122	67.2	511	176	38
156	Filer, ID	07ARS558-7	2	48.0	96.94	49	77.0	2.1	1	14.4	4.10	29.6	159	62.3	281	154	29
157	Filer, ID	07ARS558-10	2	43.8	97.6	61	77.4	1.6	1	13.8	3.74	27.3	166	50.6	392	130	26
158	Filer, ID	07ARS558-17	2	44.4	97.8	58	78.6	1.8	1	13.7	4.27	31.2	132	52.9	358	188	36
159	Filer, ID	07ARS558-23	2	46.8	97.9	56	75.8	1.9	2	14.8	3.77	25.6	124	48.2	640	140	22
160	Filer, ID	07ARS503-8	2	45.9	98.8	60	79.4	2.1	1	13.8	4.55	34.9	158	74.1	361	246	45
161	Filer, ID	07ARS503-11	2	42.2	96.2	60	77.9	1.9	1	13.5	4.10	31.3	116	66.2	437	183	34
162	Filer, ID	07ARS520-8	2	47.3	98.1	57	77.3	2.0	2	14.8	4.15	28.5	173	57.4	632	187	31
163	Filer, ID	07ARS520-19	2	43.6	95.5	53	78.2	2.0	1	14.1	4.61	34.0	193	86.1	550	210	42
164	Filer, ID	07ARS520-22	2	49.7	98.1	55	77.5	2.2	2	14.8	4.23	29.2	175	63.5	476	187	31
165	Filer, ID	07ARS538-5	2	46.6	98.4	62	78.3	2.0	1	14.4	4.57	32.7	134	71.4	390	215	42
166	Filer, ID	Endeavor	2	38.1	96.9	62	78.2	2.5	1	13.9	4.94	36.6	159	82.3	209	236	39
167	Filer, ID	07ARS504-7	2	41.1	95.9	64	76.7	1.9	1	15.2	4.36	29.8	191	71.8	470	216	33
168	Filer, ID	07ARS513-5	2	47.4	98.7	68	77.7	2.2	1	15.6	5.35	35.5	180	68.1	231	243	38
169	Filer, ID	07ARS513-7	2	38.3	90.77	60	76.3	2.3	2	14.5	3.78	27.6	154	46.1	460	139	19
170	Filer, ID	07ARS513-17	2	42.9	97.4	55	78.2	2.3	1	14.9	5.27	36.5	199	78.4	269	251	42
171	Filer, ID	07ARS529-5	2	42.4	97.7	65	75.1	2.9	2	15.0	3.53	24.0	141	44.2	765	121	22
172	Filer, ID	Endeavor	2	38.7	96.48	61	78.2	2.3	1	13.9	4.80	34.8	161	77.2	281	226	39

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
173	Filer, ID	07ARS505-5	2	42.8	97.3	59	77.4	1.8	1	13.9	3.99	29.5	122	59.8	571	174	26
174	Filer, ID	07ARS505-16	2	48.9	98.6	61	77.8	2.0	1	14.1	4.26	30.4	131	63.0	550	191	34
175	Filer, ID	07ARS505-18	2	45.8	97.8	61	77.3	1.8	1	14.0	4.03	29.5	117	57.6	588	175	26
176	Filer, ID	07ARS505-23	2	47.6	98.6	62	78.9	2.2	1	14.3	4.73	33.9	156	64.8	367	217	42
177	Filer, ID	07ARS521-2	2	52.3	98.93	70	77.4	1.8	1	14.7	4.08	28.3	153	47.3	612	150	26
178	Filer, ID	07ARS521-6	2	48.7	98.6	65	74.4	1.9	1	16.6	4.26	25.8	152	43.9	676	156	26
179	Filer, ID	07ARS521-18	2	40.6	93.1	69	76.9	2.0	1	14.4	4.48	31.9	127	51.2	377	190	35
180	Filer, ID	07ARS521-23	2	47.5	98.1	69	77.5	1.7	1	13.8	4.36	31.6	174	54.0	471	148	29
181	Filer, ID	07ARS515-1	2	37.0	88.82	64	75.6	1.7	1	14.6	4.32	29.7	198	66.0	531	186	25
182	Filer, ID	07ARS515-7	2	35.9	91.09	61	77.1	2.1	1	15.4	5.45	35.7	193	80.3	181	225	33
183	Filer, ID	07ARS515-12	2	35.4	84.1	63	75.3	1.8	1	15.1	4.53	30.6	217	63.7	440	178	23
184	Filer, ID	06ARS611-3	2	38.9	93.1	75	76.3	1.6	1	14.2	4.16	30.6	165	62.6	373	153	26
185	Filer, ID	06ARS611-13	2	42.5	96.98	60	78.0	1.9	1	14.3	4.69	34.8	166	71.8	298	194	38
186		HARRINGTON MALT CHECK	2	40.9	97	71	81.5	2.2	1	11.9	4.78	43.9	123	72.2	77	198	69
187	Filer, ID	06ARS611-14	2	42.4	96	67	76.4	1.7	1	14.7	4.29	30.9	160	59.2	440	153	29
188	Filer, ID	06ARS611-17	2	38.3	96.1	60	78.2	2.0	1	13.6	4.74	36.7	159	70.5	187	206	39
189	Filer, ID	06ARS611-23	2	40.5	96.23	61	79.2	1.8	1	13.0	4.24	34.2	156	66.2	149	143	40
190	Filer, ID	07ARS510-2	2	37.6	86.57	67	74.8	1.6	1	14.8	4.12	29.2	218	44.5	563	145	19
191	Filer, ID	07ARS510-6	2	48.3	98.15	64	74.2	1.5	1	15.3	4.23	27.8	169	47.8	840	161	26
192	Filer, ID	Endeavor	2	37.3	93.6	59	76.4	2.0	1	15.0	5.06	34.6	189	75.7	297	207	33
193	Filer, ID	02Ab431	2	47.6	98.8	51	80.0	2.2	1	12.9	5.25	41.8	125	92.7	392	215	60
194	Filer, ID	02Ab669	2	41.8	92.1	51	79.0	2.0	1	12.8	4.97	39.5	151	83.7	209	241	51
195	Filer, ID	02Ab671	2	38.6	94.9	64	79.5	2.0	1	13.4	5.13	40.0	165	83.2	248	202	47
196	Filer, ID	Charles	2	44.0	97.9	59	78.8	1.7	1	13.5	4.62	35.1	137	65.4	426	172	42
197	Davis, CA	BUTTA12/MSEL	2	49.6	80.42494	66	74.0	1.6	1	14.5	3.42	24.2	128	51.7	270	111	21
198	Davis, CA	BUTTA12/MSEL	2	42.6	94.3	56	72.4	1.6	1	16.3	3.79	24.1	106	35.7	733	143	16
199	Davis, CA	BUTTA12/MSEL	2	45.9	83.3	63	72.3	1.6	1	15.1	3.89	26.8	149	36.6	581	144	14
200	Davis, CA	BUTTA12/MSEL	2	49.1	85	63	73.3	1.6	1	16.2	3.76	24.4	139	44.3	322	164	21
201	Davis, CA	BUTTA12/MSEL	2	37.3	74.74624	62	71.6	1.8	1	15.0	3.79	26.1	151	49.8	374	171	13
202	Davis, CA	BUTTA12/MSEL	2	42.4	86.10364	67	71.4	1.7	1	14.6	3.41	23.5	122	39.5	735	127	17
203	Davis, CA	BUTTA12/MSEL	2	49.3	90.07873	63	76.3	2.4	1	14.1	4.98	36.2	165	65.4	196	245	38
204	Davis, CA	BUTTA12/MSEL	2	51.8	97.48	57	73.2	1.4	1	15.4	4.12	27.3	175	50.2	442	166	29
205	Davis, CA	BUTTA12/MSEL	2	44.3	78.34	58	72.1	1.8	1	16.2	3.82	24.6	189	44.3	456	164	18
206	Davis, CA	BUTTA12/MSEL	2	49.2	87	54	73.6	1.8	1	14.7	4.01	27.7	156	49.3	370	179	24
207	Davis, CA	BUTTA12/MSEL	2	49.0	95.5	64	74.0	1.7	1	15.2	3.76	25.2	182	30.8	344	147	19
208	Davis, CA	BUTTA12/MSEL	2	49.1	92.13	52	73.1	1.7	1	16.4	4.10	25.2	188	46.0	310	173	26
209	Davis, CA	BUTTA12/MSEL	2	48.3	88.1	64	71.8	1.7	1	14.8	3.57	24.6	140	49.7	332	133	21
210	Davis, CA	BUTTA12/MSEL	2	46.4	78.7	61	74.2	1.5	1	15.3	4.00	26.8	192	39.1	298	163	17
211	Davis, CA	BUTTA12/MSEL	2	49.8	93.8	61	74.1	1.7	1	15.0	3.96	26.8	148	38.6	602	156	19
212	Davis, CA	BUTTA12/MSEL	2	40.5	95.2	56	72.6	1.6	1	14.8	3.72	25.7	130	33.4	418	107	18
213	Davis, CA	BUTTA12/MSEL	2	48.6	93.75	66	73.1	1.8	1	13.8	3.52	25.8	123	40.6	396	115	23
214	Davis, CA	BUTTA12/MSEL	2	47.2	86.1	68	73.9	1.6	1	14.2	3.73	27.5	165	36.1	278	125	17
215	Davis, CA	BUTTA12/MSEL	2	46.1	87.78	60	75.4	2.7	1	15.5	5.68	38.1	178	51.9	134	251	35

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
216	Davis, CA	BUTTA12/MSEL	2	48.7	97	59	76.4	2.3	1	13.8	4.66	33.8	163	45.2	103	183	36
217		HARRINGTON MALT CHECK	2	40.0	98.76	74	81.3	2.2	1	11.5	4.75	44.1	126	64.6	77	220	69
218	Davis, CA	BUTTA12/MSEL	2	47.5	79.6	66	76.8	2.7	1	15.1	5.85	40.4	210	57.3	66	248	41
219	Davis, CA	BUTTA12/MSEL	2	47.0	87.2	65	75.5	1.8	2	13.8	3.69	27.4	162	32.7	228	128	16
220	Davis, CA	BUTTA12/MSEL	2	45.9	91.5	62	73.6	2.0	1	14.9	4.27	28.9	188	35.6	149	142	25
221	Davis, CA	BUTTA12/MSEL	2	42.6	90.73	59	72.9	1.9	1	16.2	3.79	24.4	181	31.4	287	122	19
222	Davis, CA	2B05-0811/UCD08-52	2	46.5	96.9	66	76.2	2.1	1	15.9	4.90	32.7	176	50.1	207	194	38
223	Davis, CA	2B05-0811/UCD08-52	2	48.7	89.7	65	76.5	2.1	1	13.8	4.74	34.9	189	46.2	165	190	33
224	Davis, CA	2B05-0811/UCD08-52	2	44.1	81.3	66	77.0	2.2	1	15.3	5.69	37.6	175	46.7	276	241	26
225	Davis, CA	BUTTA12/MSEL	2	45.5	87.8	68	74.7	1.7	1	14.2	3.81	27.3	138	31.3	427	133	17
226	Davis, CA	BUTTA12/MSEL	2	45.5	91.2	62	75.3	1.8	1	14.1	3.79	27.2	113	28.2	444	116	16
227	Davis, CA	BUTTA12/MSEL	2	39.2	79.3	71	72.5	2.1	2	14.4	3.39	23.9	121	26.0	518	106	10
228	Davis, CA	BUTTA12/MSEL	2	36.0	86.5	54	73.0	1.8	1	14.3	3.69	26.3	157	21.2	450	118	12
229	Davis, CA	BUTTA12/MSEL	2	35.3	72.5	66	72.4	1.6	1	14.9	3.63	24.9	155	44.5	416	118	13
230	Davis, CA	BUTTA12/MSEL	2	48.3	97.4	52	74.6	1.8	2	13.2	3.40	25.8	118	46.2	552	111	24
231	Davis, CA	BUTTA12/MSEL	2	40.2	89.5	60	73.4	2.0	1	14.4	4.08	28.8	160	54.5	173	160	26
232	Davis, CA	BUTTA12/MSEL	2	49.4	99.6	52	73.4	1.8	1	14.5	3.52	24.7	143	36.9	581	117	19
233	Davis, CA	BUTTA12/MSEL	2	49.4	95.9	54	74.3	1.9	1	13.5	3.53	26.2	102	35.3	626	121	16
234	Davis, CA	BUTTA12/MSEL	2	48.6	97.2	57	71.7	1.7	2	15.4	3.30	22.3	104	28.9	789	108	15
235	Davis, CA	BUTTA12/MSEL	2	49.6	96.2	55	72.5	2.0	2	16.2	3.58	23.4	139	36.6	529	127	18
236	Davis, CA	BUTTA12/MSEL	2	49.2	96.5	55	73.8	2.1	1	14.7	3.80	26.3	182	41.5	428	135	23
237	Davis, CA	BUTTA12/MSEL	2	49.1	97.6	48	72.4	1.8	2	14.5	3.57	24.9	135	35.6	565	126	18
238	Davis, CA	BUTTA12/MSEL	2	48.9	92.9	58	76.1	2.8	1	14.3	4.94	35.8	149	76.0	233	226	38
239	Davis, CA	BUTTA12/MSEL	2	48.5	98.4	51	74.2	1.7	2	15.7	3.56	22.9	130	41.5	669	135	22
240	Davis, CA	BUTTA12/MSEL	2	48.0	92.6	58	76.7	2.4	1	14.1	4.50	32.8	159	61.0	139	202	41
241	Davis, CA	BUTTA12	2	45.9	96.8	56	75.5	2.1	1	15.3	4.22	27.8	189	57.4	113	170	32
242	Davis, CA	BUTTA12-96	2	48.9	97.7	50	76.2	2.0	1	15.0	3.98	27.2	178	51.3	181	156	26
243	Davis, CA	COPELAND	2	47.9	93.6	67	77.1	1.8	1	13.7	3.80	28.1	150	56.1	405	154	26
244	Aberdeen, ID	08ARS632-2	2	44.5	97.1	59	78.6	2.1	2	13.8	3.80	28.5	190	53.2	222	144	29
245	Aberdeen, ID	08ARS632-3	2	40.9	97	61	80.7	2.2	1	12.6	4.05	33.0	159	65.0	171	181	48
246	Aberdeen, ID	08ARS632-5	2	47.2	98.3	59	77.7	2.9	1	15.2	5.18	35.0	148	65.4	134	245	41
247	Aberdeen, ID	08ARS632-10	2	49.8	99.1	67	80.8	3.9	2	13.5	5.47	42.5	146	77.0	88	264	61
248		HARRINGTON MALT CHECK	2	40.5	96.9	76	81.9	2.2	1	11.5	4.93	44.1	113	83.6	107	260	62
249	Aberdeen, ID	08ARS632-11	2	45.2	94.3	66	80.4	3.0	1	13.7	5.49	41.3	159	83.2	40	279	57
250	Aberdeen, ID	08ARS632-14	2	44.1	97	69	78.7	2.0	1	13.6	4.10	31.2	137	62.7	247	171	33
251	Aberdeen, ID	08ARS632-16	2	45.5	97	70	78.1	2.3	2	13.3	3.62	27.8	132	46.0	316	137	31
252	Aberdeen, ID	08ARS632-17	2	46.6	98.8	70	79.0	2.6	1	12.8	4.83	38.6	144	74.4	44	231	59
253	Aberdeen, ID	06ARS557-3	2	47.4	98	62	79.7	2.5	1	13.2	4.92	37.4	164	77.7	144	224	53
254	Aberdeen, ID	06ARS557-6	2	48.5	96.5	66	76.1	1.8	1	14.0	3.92	28.0	152	51.2	511	151	26
255	Aberdeen, ID	06ARS557-10	2	48.4	98.1	60	77.4	2.1	1	13.3	4.19	32.2	151	68.8	367	176	34
256	Aberdeen, ID	06ARS557-18	2	46.2	98.2	70	79.5	2.8	1	13.3	5.36	40.4	174	92.0	188	262	55
257	Aberdeen, ID	06ARS505-2	2	41.4	93.2	59	78.1	2.7	2	13.3	4.54	34.7	185	80.9	170	219	45
258	Aberdeen, ID	06ARS505-4	2	42.8	97.1	62	78.1	1.9	1	12.9	4.35	36.6	166	71.4	307	196	48

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
259	Aberdeen, ID	06ARS505-5	2	46.5	97.3	65	79.4	1.9	1	11.6	4.24	36.9	166	65.3	210	189	46
260	Aberdeen, ID	06ARS505-7	2	40.5	94.9	65	78.9	2.0	1	13.3	4.54	35.1	189	78.5	219	205	46
261	Aberdeen, ID	06ARS505-10	2	44.5	97.7	64	77.8	2.1	1	14.1	4.75	35.6	158	81.7	283	221	38
262	Aberdeen, ID	06ARS505-12	2	40.1	92.5	72	76.5	1.8	1	12.9	3.91	30.3	156	56.0	376	158	35
263	Aberdeen, ID	06ARS505-13	2	41.7	96	63	76.4	1.9	1	14.2	4.00	30.2	172	66.4	277	166	25
264	Aberdeen, ID	06ARS505-16	2	40.8	94.7	64	78.3	2.3	1	12.6	4.51	36.2	175	75.5	198	208	51
265	Aberdeen, ID	06ARS505-18	2	39.4	93.2	62	76.4	2.2	1	13.8	4.44	33.0	159	64.3	331	204	35
266	Aberdeen, ID	08ARS624-3	2	45.0	96.6	73	77.4	1.9	1	13.4	3.92	30.3	171	52.9	158	152	31
267	Aberdeen, ID	08ARS624-4	2	43.6	96.5	63	77.9	2.2	1	14.2	5.06	36.3	188	78.6	144	228	41
268	Aberdeen, ID	08ARS624-5	2	39.8	93.2	70	78.1	2.1	1	12.8	4.19	33.9	157	72.8	241	179	40
269	Aberdeen, ID	08ARS624-6	2	41.0	93.6	68	78.1	2.0	1	13.0	4.19	34.0	137	68.2	264	179	37
270	Aberdeen, ID	08ARS624-7	2	42.8	96.6	69	79.7	1.9	1	11.9	4.16	36.2	138	67.1	106	191	54
271	Aberdeen, ID	08ARS624-8	2	42.8	95.78	72	77.0	1.9	1	12.7	3.78	30.1	134	49.6	331	150	33
272	Aberdeen, ID	08ARS624-9	2	44.0	95.3	59	77.9	1.9	1	14.0	4.53	33.3	154	67.9	184	198	38
273	Aberdeen, ID	08ARS624-10	2	41.4	94.71	62	77.9	2.0	1	13.2	4.12	31.9	145	68.4	261	172	33
274	Aberdeen, ID	08ARS624-11	2	42.3	93.34	72	76.2	2.0	1	12.9	3.47	27.2	127	43.5	442	138	33
275	Aberdeen, ID	08ARS624-14	2	43.1	96.51	62	78.6	2.0	1	13.5	4.10	32.3	150	73.0	188	192	43
276	Aberdeen, ID	08ARS624-15	2	43.7	96.68	72	79.7	1.8	1	11.9	4.24	36.5	138	69.7	59	192	58
277	Aberdeen, ID	08ARS624-16	2	42.0	94.79	62	78.5	2.1	1	12.4	4.20	35.0	163	69.6	79	184	53
278	Aberdeen, ID	08ARS624-18	2	45.1	95.85	57	76.2	2.0	1	14.2	4.51	33.0	130	70.7	315	203	38
279		HARRINGTON MALT CHECK	2	39.8	95.94	72	81.3	2.2	1	11.8	5.08	47.0	108	81.8	129	256	55
280	Aberdeen, ID	08ARS604-2	2	45.6	96.05	67	78.5	2.4	2	12.5	3.97	32.8	131	50.2	346	150	39
281	Aberdeen, ID	08ARS604-3	2	44.0	96	66	77.8	1.9	1	13.3	4.03	31.4	187	63.8	392	152	34
282	Aberdeen, ID	08ARS604-4	2	43.6	96.23	65	77.0	1.9	1	14.5	4.01	29.6	186	63.9	498	151	29
283	Aberdeen, ID	08ARS604-5	2	43.0	94.6	71	76.5	1.9	1	12.5	3.86	31.4	150	48.5	375	125	33
284	Aberdeen, ID	08ARS604-7	2	45.7	95.9	61	77.9	2.3	1	13.8	4.71	34.2	198	69.3	120	195	41
285	Aberdeen, ID	08ARS604-10	2	43.8	96.1	67	77.9	2.3	1	13.4	4.62	35.5	184	66.7	173	177	38
286	Aberdeen, ID	08ARS604-16	2	46.0	97.4	61	74.3	1.7	1	13.3	3.87	30.0	174	50.6	495	121	31
287	Aberdeen, ID	08ARS604-18	2	44.1	94.4	64	77.8	2.0	1	14.7	3.99	28.6	147	64.7	251	142	26
288	Aberdeen, ID	08ARS601-4	2	50.2	96.6	57	77.2	2.3	1	14.0	4.57	33.3	135	59.1	197	192	38
289	Aberdeen, ID	08ARS601-5	2	46.7	98.1	63	77.9	3.6	1	13.7	5.30	41.5	141	55.0	172	226	43
290	Aberdeen, ID	08ARS601-6	2	46.0	97.6	67	78.9	2.6	2	13.7	4.24	33.0	127	58.7	71	169	39
291	Aberdeen, ID	08ARS601-8	2	50.2	97.4	46	79.4	2.5	1	12.3	4.17	35.0	132	60.4	115	173	46
292	Aberdeen, ID	08ARS601-11	2	46.0	97	69	77.9	2.2	1	13.7	4.50	34.4	150	64.7	88	194	45
293	Aberdeen, ID	02Ab431	2	47.2	98	59	79.6	2.3	1	13.1	4.49	34.9	144	82.1	107	197	53
294	Aberdeen, ID	02Ab669	2	46.5	98.5	63	79.0	2.9	2	13.2	4.88	37.4	142	82.7	62	207	53
295	Aberdeen, ID	02Ab671	2	46.4	98.6	58	80.2	2.2	1	12.1	4.68	40.0	140	76.8	64	197	62
296	Aberdeen, ID	Endeavor	2	41.2	93.7	61	77.3	2.1	1	13.0	4.39	34.9	146	67.0	132	186	44
297	Aberdeen, ID	Charles	2	44.3	95.4	63	78.0	1.8	1	12.5	3.97	32.2	149	62.3	269	166	36
298	Aberdeen, ID	Ab07W218-3	2	47.5	96.85	59	76.7	1.7	1	13.9	4.23	31.9	164	59.4	465	180	29
299	Aberdeen, ID	07ARS518-7	2	46.0	98.1	63	79.0	1.9	1	12.0	4.52	38.1	190	77.0	130	179	50
300	Aberdeen, ID	07ARS518-9	2	44.1	95.4	63	78.3	1.5	1	12.4	3.86	32.3	147	65.0	558	140	40
301	Aberdeen, ID	07ARS518-13	2	45.6	95.27	68	78.0	2.1	1	13.8	4.67	34.1	196	76.8	139	201	41

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
302	Aberdeen, ID	07ARS518-23	2	47.2	95.6	66	77.9	2.2	1	13.9	5.02	37.8	163	68.9	239	217	38
303	Aberdeen, ID	07ARS557-5	2	46.7	95.1	63	78.6	2.0	1	12.4	4.72	38.5	151	72.9	193	196	52
304	Aberdeen, ID	07ARS557-9	2	42.3	96.2	62	79.0	2.0	1	13.4	4.80	36.1	163	75.6	136	224	50
305	Aberdeen, ID	07ARS531-11	2	51.4	98.5	48	76.8	2.3	1	15.1	5.33	36.8	235	67.3	196	230	38
306	Aberdeen, ID	07ARS531-13	2	47.0	97.9	61	78.8	3.0	1	14.2	5.35	38.7	199	80.5	119	249	45
307	Aberdeen, ID	07ARS531-21	2	45.1	96.6	68	78.3	1.9	1	12.9	4.42	35.9	175	73.9	272	206	52
308	Aberdeen, ID	07ARS558-7	2	50.0	96.55	62	76.8	1.7	1	13.5	4.13	32.0	173	70.5	185	160	29
309	Aberdeen, ID	07ARS558-10	2	48.0	96.5	69	77.9	1.6	1	12.1	3.66	31.6	165	61.2	309	140	36
310		HARRINGTON MALT CHECK	2	39.9	96	74	81.2	2.3	1	11.6	4.68	41.6	132	73.4	179	235	60
311	Aberdeen, ID	07ARS558-17	2	46.7	96.5	68	78.0	2.0	1	13.5	4.67	35.9	166	68.0	167	216	38
312	Aberdeen, ID	07ARS558-23	2	48.6	95.8	60	77.2	1.8	1	13.3	3.92	29.7	150	56.4	432	154	31
313	Aberdeen, ID	07ARS503-8	2	46.5	96.8	70	77.7	2.4	1	13.5	4.92	37.2	168	71.6	171	230	38
314	Aberdeen, ID	07ARS503-11	2	45.1	93.5	67	75.6	2.0	1	14.3	4.54	33.5	146	67.4	435	197	38
315	Aberdeen, ID	07ARS520-8	2	47.4	97.8	59	78.0	1.8	1	13.8	4.21	32.0	193	71.3	394	182	36
316	Aberdeen, ID	07ARS520-19	2	47.0	96	63	79.0	2.1	1	12.6	5.11	41.0	199	92.4	293	247	57
317	Aberdeen, ID	07ARS520-22	2	46.7	96.3	59	77.5	1.9	1	14.2	4.24	30.9	184	69.8	345	187	32
318	Aberdeen, ID	07ARS538-5	2	47.7	96.2	61	78.0	1.9	1	14.0	4.99	37.6	152	80.6	370	243	38
319	Aberdeen, ID	07ARS504-7	2	43.4	97	65	78.5	2.1	1	14.0	5.08	38.6	193	84.3	258	247	42
320	Aberdeen, ID	07ARS513-5	2	47.9	97.6	72	77.6	2.2	1	15.0	5.39	37.5	169	71.5	131	252	41
321	Aberdeen, ID	07ARS513-7	2	44.7	93	66	75.8	2.0	2	14.0	3.93	28.8	178	49.7	336	144	22
322	Aberdeen, ID	07ARS513-17	2	46.4	96.4	61	78.5	2.1	1	14.6	5.68	39.3	167	78.6	188	271	38
323	Aberdeen, ID	07ARS529-5	2	43.3	97.5	65	76.1	2.0	2	13.7	3.45	25.8	144	47.9	596	124	22
324	Aberdeen, ID	07ARS505-5	2	44.0	95.8	70	77.1	1.8	1	13.6	4.31	32.3	128	65.1	473	195	34
325	Aberdeen, ID	07ARS505-16	2	47.7	95.8	66	76.0	2.0	1	14.7	4.60	32.8	143	67.6	412	199	38
326	Aberdeen, ID	07ARS505-18	2	44.1	95.4	71	76.7	1.9	1	13.7	4.31	31.8	134	65.0	489	185	32
327	Aberdeen, ID	07ARS505-23	2	49.8	97.4	63	78.4	2.4	1	14.4	5.45	38.2	152	74.4	279	249	42
328	Aberdeen, ID	07ARS521-2	2	52.9	98.1	70	78.6	1.7	1	13.4	4.52	34.1	146	57.1	343	208	47
329	Aberdeen, ID	07ARS521-6	2	50.9	98.9	67	77.2	1.6	1	14.3	4.35	31.2	141	49.2	415	185	29
330	Aberdeen, ID	07ARS521-18	2	43.2	94.5	70	76.6	1.7	1	14.1	4.69	34.5	137	52.0	270	216	38
331	Aberdeen, ID	07ARS521-23	2	47.6	95.5	72	76.4	1.7	1	14.4	4.76	33.9	182	60.7	206	198	38
332	Aberdeen, ID	07ARS515-1	2	40.6	94.2	67	77.7	1.8	1	13.2	4.57	35.9	160	72.7	381	211	42
333	Aberdeen, ID	07ARS515-7	2	40.2	95	65	78.9	2.2	1	13.9	5.56	41.9	126	87.6	97	258	53
334	Aberdeen, ID	07ARS515-12	2	40.6	93.6	67	76.7	1.9	1	13.7	4.87	37.2	154	75.4	376	225	37
335	Aberdeen, ID	06ARS611-3	2	43.3	95.7	78	76.2	1.7	1	14.2	4.40	31.5	136	62.1	375	189	32
336	Aberdeen, ID	06ARS611-13	2	44.4	95.2	75	77.9	2.2	1	14.3	5.43	38.3	143	69.3	161	258	38
337	Aberdeen, ID	06ARS611-14	2	40.8	90.1	73	75.6	1.9	1	14.4	4.64	32.5	145	58.2	325	204	37
338	Aberdeen, ID	06ARS611-17	2	42.1	96.2	72	77.6	1.9	1	14.4	4.95	35.8	133	67.0	161	243	38
339	Aberdeen, ID	06ARS611-23	2	45.1	96.6	76	79.2	1.8	1	13.0	4.39	36.4	134	65.7	151	191	43
340	Aberdeen, ID	07ARS510-2	2	41.8	91.6	67	76.4	1.8	1	13.9	4.58	34.9	199	66.2	453	215	37
341		HARRINGTON MALT CHECK	2	40.3	96.5	72	81.3	2.2	1	11.7	4.85	44.2	125	80.5	138	264	65
342	Aberdeen, ID	07ARS510-6	2	45.8	96.3	65	73.9	1.7	1	15.5	4.52	29.8	155	57.7	829	219	38
343	Aberdeen, ID	Endeavor	2	40.4	92.3	66	77.8	1.9	1	13.3	4.62	35.0	152	76.0	247	236	42
344	Aberdeen, ID	02Ab431	2	45.9	95	69	78.0	2.0	1	14.4	5.24	37.6	163	75.8	151	262	42

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
345	Aberdeen, ID	02Ab669	2	44.8	95.9	68	79.0	2.1	1	13.5	5.28	39.7	151	84.0	73	273	49
346	Aberdeen, ID	02Ab671	2	46.1	97.6	65	78.8	2.2	1	13.6	5.59	42.0	164	82.7	118	291	50
347	Aberdeen, ID	Charles	2	44.7	95.7	68	77.4	2.0	1	13.3	4.79	37.1	145	67.7	194	249	43
348	Aberdeen, ID	Charles	2	47.5	96.8	66	79.9	2.5	1	11.9	4.65	39.7	139	64.4	110	215	58
349	Aberdeen, ID	Endeavor	2	41.0	94.2	65	77.5	2.3	1	11.6	4.36	38.5	120	58.1	208	203	43
350	Aberdeen, ID	02Ab431	2	48.4	97.99	62	80.3	2.3	1	12.4	5.05	42.9	152	85.6	96	251	67
351	Aberdeen, ID	02Ab669	2	47.2	98.1	66	80.1	2.2	1	11.9	4.67	42.5	140	81.2	65	232	67
352	Aberdeen, ID	02Ab671	2	49.2	98.1	67	79.8	2.3	1	11.9	4.89	43.7	164	88.2	80	230	67
353	Aberdeen, ID	05ARS551-89	2	43.5	95.8	60	79.0	2.1	1	12.8	4.40	35.4	192	84.7	112	198	51
354	Aberdeen, ID	05ARS551-73	2	42.9	94.5	65	79.0	2.2	1	12.7	4.10	32.7	123	71.8	208	180	43
355	Aberdeen, ID	06ARS617-6	2	40.3	94.1	64	78.1	2.0	1	13.1	4.50	35.6	189	84.0	105	214	49
356	Aberdeen, ID	06ARS633-10	2	41.9	93.67	67	78.3	2.1	1	12.5	4.67	40.2	132	69.9	182	230	56
357	Aberdeen, ID	06ARS633-3	2	40.8	91.7	65	78.3	2.1	1	12.0	4.33	36.9	119	75.0	126	196	47
358	Aberdeen, ID	06ARS633-13	2	44.4	96.2	57	78.7	2.2	1	11.5	4.15	36.6	142	75.9	139	183	49
359	Aberdeen, ID	06ARS634-17	2	43.6	94	65	77.6	2.3	2	12.1	3.85	34.0	133	56.2	213	166	35
360	Aberdeen, ID	06ARS633-2	2	43.6	94.7	59	78.0	2.1	1	12.6	4.28	36.2	115	74.3	210	202	45
361	Aberdeen, ID	06ARS634-15	2	47.0	97.1	63	79.1	2.1	1	11.8	4.05	35.5	124	51.6	98	172	50
362	Aberdeen, ID	06ARS634-18	2	47.6	98.3	67	78.4	2.3	1	12.6	4.29	36.9	139	60.9	60	187	53
363	Aberdeen, ID	06ARS617-25	2	44.2	96.2	67	79.2	2.3	1	12.4	4.81	41.2	164	87.1	84	229	64
364	Aberdeen, ID	06ARS669-11	2	44.2	95.2	69	78.4	1.9	1	12.5	4.06	33.6	138	52.7	94	171	50
365	Aberdeen, ID	06ARS617-13	2	45.0	95.3	71	77.2	2.0	1	12.6	4.41	36.3	183	79.3	172	199	48
366	Aberdeen, ID	06ARS634-28	2	48.7	96.9	59	77.0	2.0	2	12.7	3.89	31.5	141	62.1	288	168	35
367	Aberdeen, ID	06ARS634-11	2	46.9	97.4	67	79.1	2.2	1	12.8	5.09	41.5	121	73.6	218	249	57
368	Aberdeen, ID	06ARS634-21	2	44.4	96.6	63	79.9	2.3	1	12.0	4.65	41.2	119	73.7	188	217	57
369	Aberdeen, ID	06ARS617-7	2	44.8	96.6	66	79.2	2.3	1	12.2	4.97	41.5	145	84.4	71	231	64
370	Aberdeen, ID	06ARS633-11	2	45.8	94.8	62	78.0	2.0	1	12.5	4.27	35.2	152	76.9	96	185	49
371	Aberdeen, ID	06ARS634-22	2	46.6	97.7	69	77.6	2.1	1	12.3	4.14	34.8	149	56.9	153	175	39
372		HARRINGTON MALT CHECK	2	40.1	96.33	75	81.1	2.4	1	11.6	5.02	45.4	113	90.1	75	271	66
373	Aberdeen, ID	Charles	2	46.6	97.322	65	79.5	1.9	1	12.8	4.48	37.5	134	74.4	165	222	55
374	Aberdeen, ID	Endeavor	2	41.9	95.6	64	76.9	2.2	1	13.8	4.55	34.5	154	84.0	167	217	37
375	Aberdeen, ID	02Ab431	2	46.9	97.8	66	80.0	2.6	1	12.7	5.30	42.9	145	99.0	57	258	67
376	Aberdeen, ID	02Ab669	2	45.7	98.3	64	79.7	2.3	1	12.5	4.71	40.3	157	90.4	68	188	65
377	Aberdeen, ID	02Ab671	2	46.5	98.3	64	79.7	2.1	1	12.8	4.74	38.5	167	89.2	59	200	62
378	Aberdeen, ID	02Ab339	2	47.8	98.8	68	79.6	2.3	1	11.8	4.22	38.5	156	83.5	78	160	53
379	Aberdeen, ID	02Ab170	2	46.1	94.6	50	78.6	2.3	1	12.8	4.72	37.5	174	82.2	143	207	55
380	Aberdeen, ID	2Ab08-X05W061-208	2	43.2	96.7	70	77.7	2.0	1	13.4	4.08	31.3	156	73.9	153	148	34
381	Aberdeen, ID	2Ab08-X05W061-216	2	45.7	96.8	67	78.3	2.2	1	13.2	4.12	32.5	155	71.1	262	160	38
382	Aberdeen, ID	2Ab08-X05W061-42	2	44.4	96.1	71	78.4	2.1	1	13.3	4.13	31.8	150	63.9	222	154	38
383	Aberdeen, ID	2Ab08-X05W061-218	2	47.1	95.93	76	78.6	2.9	2	13.7	4.57	34.1	158	75.3	150	153	39
384	Aberdeen, ID	2Ab09-X05W018-24	2	44.9	97	66	77.6	2.5	1	13.1	4.53	34.9	141	72.0	262	176	38
385	Aberdeen, ID	2Ab09-X05W018-119	2	45.2	96.8	70	78.4	2.8	2	12.2	4.05	34.3	141	64.3	178	134	42
386	Aberdeen, ID	2Ab09-X04W035-2	2	41.7	96.96	65	78.5	2.2	1	12.4	3.93	32.1	188	61.2	313	126	39
387	Aberdeen, ID	2Ab09-X05W040-125	2	42.9	97.8	65	78.4	2.1	1	14.5	4.45	31.9	175	72.4	141	152	40

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
388	Aberdeen, ID	2Ab08-X05W061-346	2	46.2	97.9	67	77.0	2.2	1	14.6	4.37	31.7	180	77.0	242	159	29
389	Aberdeen, ID	2Ab09-X04W035-14	2	38.9	90.7	74	77.2	1.9	1	12.3	3.59	30.0	176	54.1	375	119	33
390	Aberdeen, ID	2Ab09-X04W035-89	2	38.1	91.4	71	77.2	1.9	1	12.4	3.53	29.2	183	48.7	337	117	30
391	Aberdeen, ID	2Ab09-X04W035-4	2	42.5	95	72	78.5	2.0	1	12.8	4.04	31.9	159	62.6	184	150	43
392	Aberdeen, ID	2Ab09-X05W006-61	2	47.2	96.9	64	80.7	2.2	1	12.6	4.85	40.8	168	78.5	90	192	67
393	Aberdeen, ID	2Ab09-X05W018-119	2	45.4	97.9	66	78.8	2.1	1	13.0	4.34	34.1	177	63.7	127	173	41
394	Aberdeen, ID	2Ab09-X04W040-18	2	41.4	95.5	67	77.9	2.1	1	13.6	4.51	35.0	115	70.4	131	199	37
395	Aberdeen, ID	2Ab09-X05W077-13	2	46.4	96.9	61	78.4	2.1	1	13.8	4.60	34.4	167	55.1	158	188	40
396	Aberdeen, ID	2Ab09-X04W040-1	2	41.5	96.85	64	78.4	2.2	1	12.4	4.27	34.7	159	70.4	167	177	42
397	Aberdeen, ID	2Ab11-W06M33-1	2	40.1	93.9	68	79.4	2.2	1	12.8	4.29	36.2	136	77.0	120	177	48
398	Filer, ID	Charles	2	45.4	96.97	61	79.3	2.0	1	12.3	4.48	38.5	133	71.1	401	206	52
399	Filer, ID	Endeavor	2	39.9	95.6	59	78.7	2.5	1	12.3	4.83	40.0	148	82.6	270	225	49
400	Filer, ID	02Ab431	2	48.3	98	55	81.6	2.2	1	11.8	4.98	45.0	119	89.7	254	252	60
401	Filer, ID	02Ab669	2	46.7	97.77	57	80.7	2.0	1	12.3	4.87	41.5	109	80.4	199	230	57
402	Filer, ID	02Ab671	2	45.6	99.1	60	81.7	2.1	1	11.4	4.93	45.8	114	81.8	186	239	60
403		HARRINGTON MALT CHECK	2	40.9	96.8	75	81.3	2.2	1	11.5	4.79	43.2	111	75.3	93	238	66
404	Filer, ID	02Ab339	2	44.0	96.6	55	80.3	2.1	1	12.4	4.49	38.2	119	74.6	369	208	52
405	Filer, ID	02Ab170	2	45.3	96.7	41	79.0	2.0	1	12.9	4.66	36.8	128	64.2	460	224	52
406	Filer, ID	2Ab08-X05W061-208	2	41.0	96.2	59	80.7	2.1	1	11.4	4.60	42.8	123	77.0	277	207	59
407	Filer, ID	2Ab08-X05W061-216	2	45.5	97.4	67	81.2	2.1	1	11.4	4.57	42.0	121	73.7	274	224	63
408	Filer, ID	2Ab08-X05W061-42	2	44.5	96.63	64	80.5	2.1	1	12.0	4.75	42.3	114	67.6	318	225	57
409	Filer, ID	2Ab08-X05W061-218	2	50.3	98	64	80.0	2.2	1	13.3	5.02	38.9	120	68.2	305	241	47
410	Filer, ID	2Ab09-X05W018-24	2	44.5	96.73	65	79.5	2.0	1	11.9	4.61	39.2	121	68.5	329	207	55
411	Filer, ID	2Ab09-X05W018-119	2	44.5	96.9	70	80.3	1.8	1	11.9	4.23	36.6	127	64.8	236	191	51
412	Filer, ID	2Ab09-X04W035-2	2	41.5	97.1	58	79.3	1.6	1	13.0	4.55	37.2	172	66.2	403	228	46
413	Filer, ID	2Ab09-X05W040-125	2	41.8	97.4	52	80.7	1.7	1	11.6	4.43	38.6	149	66.2	182	201	54
414	Filer, ID	2Ab08-X05W061-346	2	47.4	97.9	66	79.6	1.8	1	12.7	4.57	38.1	120	64.0	337	219	52
415	Filer, ID	2Ab09-X04W035-14	2	40.3	92.5	66	80.7	1.7	1	10.6	3.94	39.2	133	55.5	303	186	40
416	Filer, ID	2Ab09-X04W035-89	2	44.6	99.6	62	80.5	1.6	1	12.0	4.21	37.8	147	54.5	386	197	51
417	Filer, ID	2Ab09-X04W035-4	2	45.8	97.6	67	81.2	1.8	1	11.6	4.47	39.6	137	70.9	309	208	58
418	Filer, ID	2Ab09-X05W006-61	2	45.8	99.7	51	80.2	1.9	1	12.5	4.66	38.3	149	61.8	390	217	55
419	Filer, ID	2Ab09-X05W018-119	2	43.6	96.4	57	79.0	1.7	1	13.9	4.85	37.1	185	65.7	250	219	42
420	Filer, ID	2Ab09-X04W040-18	2	40.6	96.75	58	79.6	2.0	1	12.5	4.99	42.6	112	55.9	261	228	56
421	Filer, ID	2Ab09-X05W077-13	2	45.7	96.6	56	80.4	2.0	1	11.5	4.78	42.5	140	47.1	227	215	57
422	Filer, ID	2Ab09-X04W040-1	2	42.0	98.2	54	80.6	1.8	1	11.8	4.59	41.1	153	47.0	155	207	57
423	Filer, ID	2Ab11-W06M33-1	2	44.3	93.6	62	80.3	2.1	1	11.6	4.76	42.3	122	61.8	307	220	60
424	Aberdeen, ID	06ARS516-1	2	44.0	97	69	77.9	1.8	1	12.9	3.92	30.6	177	37.3	283	151	29
425	Aberdeen, ID	06ARS516-2	2	48.3	95.8	70	78.3	1.9	1	13.1	4.13	31.7	154	41.1	306	149	35
426	Aberdeen, ID	06ARS516-3	2	44.9	92.9	71	76.9	1.9	1	13.8	4.55	33.9	162	33.5	154	175	26
427	Aberdeen, ID	06ARS516-7	2	43.5	94.7	67	77.3	1.9	2	14.1	4.59	32.6	221	52.7	208	173	32
428	Aberdeen, ID	06ARS516-8	2	42.2	95.25	67	76.9	1.9	1	13.8	4.22	31.2	171	36.9	262	160	22
429	Aberdeen, ID	06ARS516-12	2	42.3	95.6	66	78.5	1.9	1	13.3	4.17	33.1	143	41.1	161	161	35
430	Aberdeen, ID	06ARS516-13	2	46.7	97.94	66	79.1	2.3	1	12.9	4.90	38.6	158	48.9	117	202	52

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
431	Aberdeen, ID	06ARS516-14	2	50.7	97.4	74	79.0	2.0	1	12.4	4.09	35.9	123	40.1	171	165	40
432	Aberdeen, ID	06ARS516-18	2	45.2	96.9	70	80.2	2.4	1	13.0	5.09	39.3	149	47.3	57	215	59
433	Aberdeen, ID	06ARS604-2	2	46.7	95.4	63	78.0	2.1	1	13.9	4.51	34.6	156	35.8	192	176	26
434		HARRINGTON MALT CHECK	2	40.7	96.3	75	81.3	2.1	1	11.3	4.94	45.2	120	52.3	89	223	69
435	Aberdeen, ID	06ARS604-3	2	42.8	93.3	71	78.8	2.2	1	13.4	4.55	36.0	141	58.9	294	182	45
436	Aberdeen, ID	06ARS604-5	2	44.6	93.2	60	77.6	1.8	1	12.9	4.09	31.8	162	37.4	423	149	32
437	Aberdeen, ID	06ARS604-9	2	44.2	94.9	62	77.5	1.7	1	12.6	3.71	31.0	152	38.0	505	125	29
438	Aberdeen, ID	06ARS604-12	2	40.0	92.5	72	78.0	1.8	1	13.4	4.27	33.0	157	50.1	317	166	33
439	Aberdeen, ID	06ARS604-13	2	41.5	92	63	77.6	2.0	1	13.5	4.03	31.5	134	37.8	458	152	21
440	Aberdeen, ID	06ARS604-15	2	44.6	95.3	67	78.0	2.1	1	14.0	4.87	35.3	141	62.5	195	210	42
441	Aberdeen, ID	06ARS604-16	2	42.5	93.3	58	76.6	1.9	1	14.1	4.33	32.1	140	55.8	315	163	29
442	Aberdeen, ID	06ARS604-19	2	41.2	93.2	62	77.9	1.9	1	12.6	4.03	33.2	124	51.4	382	151	38
443	Aberdeen, ID	06ARS506-1	2	45.1	97.5	66	76.3	1.9	1	14.1	4.37	31.9	164	67.1	253	155	29
444	Aberdeen, ID	06ARS506-11	2	39.5	96.2	64	76.7	2.1	1	13.5	4.14	31.9	151	68.4	384	142	26
445	Aberdeen, ID	08ARS632-1	2	56.9	99	66	80.3	n.d.	3	13.0	5.35	42.5	142	81.8	57	210	65
446	Wooster, OH	Charade	2	42.3	97.4	20	77.5	2.9	2	12.3	3.81	31.3	56	37.3	493	110	21
447	Wooster, OH	Charles	2	33.9	84.4	37	80.2	3.0	1	11.9	4.91	41.2	93	71.2	440	194	43
448	Wooster, OH	Endeavor	2	37.8	89.4	35	78.9	3.9	1	13.0	5.52	45.0	117	82.1	287	261	47
449	Wooster, OH	Puffin	2	39.3	96.7	26	79.4	2.8	1	12.2	5.32	45.2	81	54.5	260	229	50
450	Wooster, OH	Signal	2	38.2	93	35	77.8	3.1	2	13.6	5.22	39.4	104	51.1	271	230	31
451	Wooster, OH	Tipper	2	36.2	94.95	35	78.3	n.d.	3	11.9	4.24	35.9	107	41.5	337	147	30
452	Wooster, OH	Trigger	2	40.6	90.1	31	76.7	4.5	2	15.0	6.29	42.8	109	68.0	468	251	31
453	Wooster, OH	Wintmalt	2	42.0	95.5	25	79.7	4.3	1	12.2	5.08	42.8	93	55.8	148	231	56
454	Wooster, OH	NT 074	2	34.9	95.23	47	79.0	3.2	2	12.1	4.91	42.0	81	66.5	299	204	44
455	Wooster, OH	NT 131	2	36.7	91.6	36	79.1	3.6	2	11.2	3.96	36.5	94	59.3	255	163	27
456	Wooster, OH	NT 140	2	38.0	81.2	26	78.9	n.d.	3	11.6	4.98	44.9	93	77.1	197	201	38
457	Wooster, OH	MO B2126	2	35.8	93.57	43	76.3	3.3	2	13.0	4.36	34.1	75	34.1	588	144	14
458	Wooster, OH	MO B2169	2	43.8	97.8	34	74.9	4.4	1	15.0	5.68	39.1	88	46.7	612	204	24
459	Wooster, OH	MO B2171	2	37.5	97.2	36	77.1	3.4	1	14.6	6.02	41.2	100	55.6	534	225	24
460	Wooster, OH	MO B2186	2	42.1	97.5	27	79.0	n.d.	3	13.7	4.96	36.6	79	49.9	475	207	30
461	Wooster, OH	MO B2188	2	43.6	97.1	39	74.3	n.d.	3	14.9	4.64	32.6	113	37.7	503	173	21
462	Wooster, OH	MO B2190	2	45.2	96.7	35	77.5	3.3	2	13.4	4.47	34.6	88	47.0	577	175	27
463	Wooster, OH	MO B2191	2	49.1	97.4	33	75.7	n.d.	3	14.6	4.92	35.3	96	43.7	482	174	21
464	Wooster, OH	MO B2247	2	40.1	97.9	34	79.5	n.d.	3	12.8	4.96	41.1	87	48.2	314	209	47
465		HARRINGTON MALT CHECK	2	39.9	96.9	73	81.3	2.0	1	11.7	4.81	44.1	116	90.8	90	211	64
466	Wooster, OH	MO B2301	2	39.7	97	38	75.7	2.8	1	14.0	5.13	38.5	94	42.5	588	201	25
467	Wooster, OH	MO B2549	2	37.5	94.6	42	73.5	2.2	1	16.8	5.51	34.3	146	49.3	502	202	30
468	Wooster, OH	MO B2566	2	40.8	98.7	39	77.9	4.3	1	15.3	6.48	42.5	102	54.5	427	271	32
469	Wooster, OH	MO B2797	2	43.9	97.8	35	77.4	5.1	2	13.9	5.03	36.2	88	43.7	368	183	25
470	Wooster, OH	Puffin drill	2	39.0	96.6	27	80.2	2.6	1	11.0	4.50	44.3	70	50.1	179	181	43
471	Wooster, OH	Dayton	6	32.5	85.74	35	78.7	3.3	1	12.5	4.84	40.7	82	62.8	501	230	44
472	Wooster, OH	Maja	6	34.1	94.6	47	79.6	2.6	1	11.5	4.53	40.3	87	65.7	289	212	39
473	Wooster, OH	Mercer	6	29.7	98.3	35	74.9	3.7	2	13.6	4.10	32.3	118	56.2	751	149	20

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
474	Wooster, OH	Ohio 1	6	34.4	88	30	77.1	3.6	2	13.0	4.42	36.4	120	57.5	323	179	28
475	Wooster, OH	Ray	6	27.5	47.3	29	76.8	3.6	2	12.0	4.36	37.6	97	64.2	400	173	18
476	Wooster, OH	Thoroughbred	6	31.2	91.97	46	79.5	2.5	1	11.6	4.35	38.4	110	60.6	413	145	38
477	Wooster, OH	Maja-OFS	6	31.7	91.2	45	79.4	n.d.	3	9.9	3.93	40.1	118	55.1	110	160	38
478	Fremont, OH	Charles-NC	2	34.5	81.9	43	78.8	4.5	2	13.8	6.17	45.0	99	75.1	300	267	22
479	Fremont, OH	Endeavor-NC	2	41.8	89.77	43	78.9	6.2	2	15.0	7.85	53.3	99	69.1	61	360	31
480	Fremont, OH	Maris Otter-NC	2	41.7	92.4	39	77.2	4.9	2	14.5	6.78	46.7	94	56.3	75	302	34
481	Fremont, OH	MO B2169-NC	2	48.9	96.7	43	71.8	3.9	1	17.3	5.72	33.1	118	54.5	528	223	31
482	Fremont, OH	Pipkin-NC	2	35.8	85.88	34	77.9	n.d.	3	14.6	6.04	43.0	88	64.9	275	264	20
483	Fremont, OH	Puffin-NC	2	40.7	95.2	41	79.4	n.d.	3	14.9	7.62	51.6	67	49.9	96	375	32
484	Fremont, OH	Wintmalt-NC	2	44.5	95.7	41	77.5	n.d.	3	14.0	6.89	50.1	72	52.1	30	356	29
485	Fremont, OH	Maja-NC	6	41.9	96.19	46	78.0	3.7	1	14.5	5.79	40.4	94	65.7	259	245	31
486	Fremont, OH	Ray-NC	6	33.2	52.1	35	75.4	n.d.	3	12.9	4.54	37.2	88	57.3	584	182	22
487	Fremont, OH	Thoroughbred-NC	6	38.0	92.96	32	77.3	2.8	1	13.7	4.82	35.3	128	61.8	443	186	31
488	Marysville, OH	Endeavor-McM	2	31.0	83.4	34	81.8	n.d.	3	9.9	5.78	58.7	82	75.0	67	257	37
489	Marysville, OH	Thoroughbred-McM	6	27.3	83.97	41	77.6	2.3	2	10.7	3.85	39.0	100	54.3	300	149	18
490	Aberdeen, ID	Charles	2	44.3	96.29	66	80.1	2.4	1	13.0	4.71	37.1	159	79.3	123	221	53
491	Aberdeen, ID	Strider	6	38.9	94.82	58	76.3	n.d.	3	11.4	3.10	28.1	49	30.0	739	99	15
492	Aberdeen, ID	McGregor	6	37.6	94.74	51	75.3	2.5	2	13.1	3.22	25.5	55	36.4	628	117	21
493	Aberdeen, ID	05ARS561-216	2	47.9	96.83	67	80.1	2.3	2	12.9	4.32	35.0	142	76.6	155	164	45
494	Aberdeen, ID	05ARS518-119	2	46.6	97.17	68	79.1	2.3	2	12.7	4.20	34.9	139	74.6	149	175	45
495	Aberdeen, ID	05ARS540-125	2	41.9	96.49	63	79.5	2.1	1	12.9	4.52	35.4	157	77.4	111	191	57
496		HARRINGTON MALT CHECK	2	40.7	96.64	73	81.6	2.3	1	11.8	4.85	42.6	110	89.0	105	219	62
497	Aberdeen, ID	02Ab431	2	48.7	97.99	63	80.8	2.5	1	12.6	5.07	41.4	128	89.8	113	230	63
498	Aberdeen, ID	02Ab671	2	47.0	98.35	65	81.4	2.5	2	12.1	5.00	43.9	134	90.0	87	220	69
499	Aberdeen, ID	02Ab669	2	46.7	97.48	62	80.8	2.5	1	12.5	4.96	42.2	119	89.6	83	213	64
500	Aberdeen, ID	AC 07/022/2	2	53.6	97.87	58	75.7	n.d.	3	14.1	3.62	25.9	143	36.3	321	120	17
501	Aberdeen, ID	AC 07/041/33	2	51.8	98.4	59	77.1	n.d.	3	13.6	3.57	27.5	134	38.5	295	123	17
502	Aberdeen, ID	Flavia	2	48.9	98.48	64	76.6	n.d.	3	14.0	3.45	26.1	144	32.6	321	123	17
503	Aberdeen, ID	Hickory	2	52.2	98.68	70	77.8	n.d.	3	12.4	3.84	32.4	134	39.8	210	143	27
504	Aberdeen, ID	KWS Joy	2	46.3	98.4	75	76.9	n.d.	3	13.4	3.57	27.4	133	40.7	177	133	26
505	Aberdeen, ID	Etincel	6	43.1	97.8	62	75.4	n.d.	3	12.0	3.19	27.6	96	30.5	559	111	20
506	Aberdeen, ID	Thoroughbred	6	34.2	94.14	73	77.0	n.d.	3	12.1	3.05	27.2	114	32.1	435	110	20
507	Aberdeen, ID	VA10B-43	6	32.4	92.74	56	73.4	3.0	2	12.7	3.20	25.7	37	31.7	844	126	21
508	Aberdeen, ID	VA12B-7	6	33.9	95.37	65	75.2	n.d.	3	13.4	3.14	25.1	104	30.3	912	101	20
509	Aberdeen, ID	VA12B-8	6	33.4	94.07	71	74.0	n.d.	3	14.1	3.25	23.4	65	30.7	617	124	10
510	Aberdeen, ID	Saturn	6	41.6	95.68	61	73.8	n.d.	3	11.6	3.11	27.2	98	27.5	709	107	20
511	Aberdeen, ID	Violetta	2	48.0	97.49	61	75.9	2.3	1	14.9	3.96	26.8	175	38.4	380	146	19
512	Aberdeen, ID	Nectaria	2	51.4	97.21	60	78.3	2.6	1	12.4	3.44	28.0	120	36.0	550	141	33
513	Aberdeen, ID	Maltesse	2	54.6	99.19	60	77.2	2.7	2	13.0	3.47	27.6	122	36.2	733	138	23
514	Aberdeen, ID	SC11203	2	52.6	97.27	63	76.0	2.3	2	13.3	3.25	24.8	149	28.6	638	116	23
515	Aberdeen, ID	SC11213	2	49.6	98.12	55	77.2	2.7	2	13.4	3.30	25.8	112	32.3	451	124	20
516	Aberdeen, ID	07OR-64	6	31.8	81.27	60	78.3	2.2	1	11.8	3.91	34.8	165	72.9	110	173	49

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
517	Aberdeen, ID	08OR-48	6	39.5	96.44	63	77.1	3.1	2	11.9	3.66	31.0	105	44.0	402	154	25
518	Aberdeen, ID	2011-F5-141-5	6	37.8	97.23	71	77.2	1.8	1	12.2	3.38	28.5	112	41.9	308	140	26
519	Aberdeen, ID	06OR-9	2	41.9	97.11	83	77.1	1.8	1	12.1	3.22	27.2	107	39.9	274	120	25
520	Aberdeen, ID	Endeavor	2	42.1	95.35	64	78.9	2.2	1	12.6	4.73	38.6	137	87.9	148	217	55
521	Filer, ID	Charles	2	46.6	97.35	55	78.9	2.3	1	14.8	5.36	37.9	139	85.0	497	267	42
522	Filer, ID	Strider	6	39.5	95.91	49	75.7	n.d.	3	11.4	3.12	27.5	44	29.7	978	111	15
523	Filer, ID	McGregor	6	39.2	96.86	44	74.6	2.1	2	12.3	3.37	28.1	46	34.0	826	125	21
524	Filer, ID	05ARS561-216	2	44.0	95.63	58	78.9	2.4	1	13.4	5.17	41.4	124	80.4	452	238	52
525	Filer, ID	05ARS518-119	2	42.7	95.7	63	79.7	1.9	1	12.4	4.51	37.2	133	79.1	253	201	55
526	Filer, ID	05ARS540-125		40.7	96.73	51	78.6	2.2	1	13.9	4.89	36.2	176	88.3	349	222	46
527		HARRINGTON MALT CHECK	2	39.9	97.16	74	81.5	2.1	1	11.4	4.72	44.2	122	85.0	96	232	67
528	Filer, ID	02Ab431	2	45.1	98.02	47	79.2	2.6	1	13.5	5.28	40.5	110	94.6	393	244	44
529	Filer, ID	02Ab671	2	46.6	98.36	60	80.9	2.3	1	12.0	4.99	43.0	126	96.5	203	222	60
530	Filer, ID	02Ab669	2	43.7	97.75	53	80.2	2.3	1	12.3	4.86	42.0	113	96.3	239	221	57
531	Filer, ID	AC 07/022/2	2	47.1	96.87	54	75.1	1.9	1	13.9	3.32	24.6	122	35.2	473	119	19
532	Filer, ID	AC 07/041/33	2	55.1	98.86	47	76.4	1.9	1	14.0	3.60	26.4	122	35.7	652	129	19
533	Filer, ID	Flavia	2	45.4	97.35	53	75.2	2.8	2	14.9	3.78	26.0	126	29.2	638	134	18
534	Filer, ID	Hickory	2	52.4	98.8	60	77.0	2.4	2	13.8	4.09	29.9	122	39.7	412	161	21
535	Filer, ID	KWS Joy	2	47.8	98.83	60	77.6	1.9	1	13.0	3.70	28.8	114	41.0	348	138	30
536	Filer, ID	Etincel	6	42.8	97.74	46	75.0	2.2	2	12.4	3.29	26.8	81	28.3	771	114	21
537	Filer, ID	Thoroughbred	6	37.6	97.62	59	74.8	n.d.	3	13.2	3.12	24.0	103	29.2	746	81	20
538	Filer, ID	VA10B-43	6	33.0	95.69	44	72.1	n.d.	3	12.8	3.13	24.9	38	28.5	922	107	20
539	Filer, ID	VA12B-7	6	37.2	97.35	53	71.5	n.d.	3	15.2	2.94	19.7	95	21.0	1003	90	10
540	Filer, ID	VA12B-8	6	34.1	93.89	54	71.3	n.d.	3	15.5	3.24	21.6	59	26.1	833	115	10
541	Filer, ID	Saturn	6	45.9	98.05	50	72.6	n.d.	3	13.0	3.37	26.4	92	25.6	953	114	20
542	Filer, ID	Violetta	2	49.2	98.52	54	75.6	1.7	1	15.3	3.99	26.3	195	37.6	546	156	19
543	Filer, ID	Nectaria	2	52.4	98.54	54	76.4	1.8	1	14.6	3.64	25.9	117	36.0	788	147	16
544	Filer, ID	Maltesse	2	52.6	98.94	59	76.5	2.0	2	13.9	3.60	27.3	115	33.9	883	137	15
545	Filer, ID	SC11203	2	56.1	98.61	58	76.5	2.2	1	13.9	3.41	25.5	131	28.3	870	127	19
546	Filer, ID	SC11213	2	52.0	98.5	49	79.7	1.9	2	12.0	3.75	31.5	99	39.0	745	152	28
547	Filer, ID	07OR-64	6	31.4	82.2	43	79.3	2.1	2	12.3	4.43	38.3	120	76.5	662	208	42
548	Filer, ID	08OR-48	6	37.5	94.3	54	79.5	1.9	1	11.3	3.59	33.6	90	51.6	686	160	34
549	Filer, ID	2011-F5-141-5	6	38.2	96.9	54	79.4	1.4	1	11.6	3.66	34.0	94	44.8	718	180	36
550	Filer, ID	06OR-9	6	39.9	95.1	75	78.6	1.4	1	11.5	3.42	30.0	106	45.8	542	137	28
551	Filer, ID	Endeavor	2	39.5	92.6	57	79.3	2.2	1	14.3	5.55	41.7	154	89.0	434	279	44
552	Aberdeen, ID	Charles	2	46.9	96.5	65	81.9	2.0	1	12.2	4.71	41.1	135	79.0	192	233	63
553	Aberdeen, ID	Endeavor	2	41.8	93.7	70	80.4	1.9	1	12.8	4.88	40.0	137	84.0	257	238	54
554	Aberdeen, ID	Maja	6	36.4	93.1	66	80.6	n.d.	3	11.9	4.16	37.1	116	54.3	249	200	42
555	Aberdeen, ID	2Ab08-X05W061-216	2	45.1	94.9	71	80.9	2.0	1	12.6	4.81	38.7	130	77.1	256	223	55
556	Aberdeen, ID	2Ab09-X05W018-119	2	47.1	92.5	74	80.6	2.1	1	12.9	4.79	39.5	112	73.5	187	225	52
557	Aberdeen, ID	2Ab09-X05W040-125	2	43.9	94.6	69	80.1	1.9	1	13.7	4.72	37.0	148	75.5	226	190	45
558		HARRINGTON MALT CHECK	2	40.1	97.3	75	83.0	1.7	1	12.0	4.87	43.7	120	86.0	197	223	59
559	Aberdeen, ID	2Ab09-X05W077-13	2	45.9	94.5	64	80.3	2.0	1	13.5	5.02	38.2	151	68.0	145	223	53

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
560	Aberdeen, ID	2Ab09-X04W035-89	2	39.4	86.2	76	79.1	1.4	1	12.4	3.95	33.3	167	60.6	328	162	35
561	Aberdeen, ID	10.086	6	47.7	96.5	66	80.7	3.0	2	13.3	5.04	39.2	132	73.9	108	247	57
562	Aberdeen, ID	10.0777	6	46.6	97.7	73	82.0	2.5	1	12.4	5.71	48.0	159	99.3	38	245	61
563	Aberdeen, ID	6W11-0003	6	36.8	88.1	67	81.1	2.0	1	10.6	3.99	39.3	135	62.4	180	162	38
564	Aberdeen, ID	6W11-0064	6	36.7	91.2	66	78.7	n.d.	3	11.8	3.92	35.0	163	53.7	174	170	41
565	Aberdeen, ID	6W11-0123	6	40.3	98.1	87	79.5	1.5	1	11.5	3.65	33.1	113	47.7	386	123	31
566	Aberdeen, ID	6W11-0197	6	37.7	86.4	73	79.6	1.5	1	11.7	4.07	35.7	123	69.7	199	199	46
567	Aberdeen, ID	6W11-0265	6	37.8	91.1	58	80.1	1.7	1	11.7	3.86	34.1	130	68.3	181	190	43
696	Lockport, New York	Wintmalt	2	39.4	96.4	34	77.7	n.d.	3	13.5	5.59	42.8	97	64.4	131	255	34
697	Lockport, New York	Conlon	2	40.2	97.24	36	80.2	n.d.	3	12.5	6.27	52.8	107	89.4	209	284	42
698	Lockport, New York	Merideth	2	38.1	95.27	34	77.8	3.1	1	13.7	5.46	42.2	101	67.1	437	234	37
699	Lockport, New York	Quest	6	33.0	95.09	44	80.2	2.6	1	10.6	4.73	47.6	106	67.6	610	202	39
700	Lockport, New York	Newdale	2	32.9	75.19	22	79.8	6.8	1	12.6	7.26	58.0	106	116.3	137	302	38
701	Lockport, New York	Quest	6	34.4	96.13	38	79.9	3.1	1	12.4	5.31	44.3	133	63.1	530	229	60
702	Lockport, New York	Quest	6	31.4	88.6	42	79.9	5.5	1	12.3	6.37	53.8	90	82.0	389	275	43
703	Lockport, New York	Wintmalt	2	45.3	98.06	31	79.7	n.d.	3	12.3	5.65	49.9	87	56.7	249	261	42
704	Lockport, New York	Wintmalt	2	44.4	98.28	40	78.5	4.0	1	11.5	5.03	45.4	103	61.2	114	244	57
705	Lockport, New York	Unknown	6	42.3	97.3	33	76.7	3.5	2	10.8	4.06	40.5	97	49.3	261	173	20
706	Lockport, New York	Quest	6	34.2	93.39	48	80.0	2.3	1	10.6	4.82	47.2	124	74.3	325	232	46
707	Lockport, New York	Newdale	2	41.1	99.13	42	82.7	3.2	1	9.9	4.97	55.4	88	90.4	56	236	52
708	Lockport, New York	Quest	6	35.5	96.53	42	80.3	2.7	1	10.6	4.77	46.9	82	59.3	399	221	44
709	Lockport, New York	Conlon	2	47.1	99.09	41	78.4	2.1	1	14.3	5.22	38.7	157	66.9	270	223	42
710	Lockport, New York	Legacy	6	35.0	98.63	47	79.6	3.3	1	12.8	6.00	47.9	166	103.8	247	302	54
711	Lockport, New York	Wintmalt	2	42.6	98.14	47	79.7	3.1	2	10.6	3.98	39.3	86	57.2	87	188	40
712	Lockport, New York	Wintmalt	2	42.0	98.18	41	80.7	2.7	1	9.5	4.09	43.2	90	60.8	77	178	45
713		LACEY MALT CHECK	6	32.5	89.74	42	78.9	2.4	1	13.5	5.63	43.8	193	98.2	39	262	67
714	Lockport, New York	Quest	6	34.3	94.46	51	80.7	2.3	1	10.5	4.61	45.0	116	69.3	412	211	44
715	Lockport, New York	Wintmalt	2	42.3	98.11	54	78.7	3.1	2	10.8	4.15	40.8	92	51.7	102	176	38
716	Lockport, New York	Wintmalt	2	38.5	97.23	45	79.5	2.1	1	8.6	3.32	41.4	60	46.8	487	119	30
717	Lockport, New York	Quest	6	34.5	94.93	50	79.9	2.5	1	11.6	5.11	47.4	116	72.0	429	247	47
718	Lockport, New York	Quest	6	34.6	95.57	57	79.3	2.3	1	11.9	5.03	44.0	122	69.5	467	220	56
719	Lockport, New York	Wintmalt	2	44.4	98.16	36	80.8	3.1	1	10.9	4.46	43.3	107	55.8	133	198	55
720	Lockport, New York	Wintmalt	2	43.2	98.65	51	80.3	2.6	2	9.6	3.83	42.5	100	53.0	75	152	46
721	Lockport, New York	Alba	6	42.0	97.67	37	79.5	3.4	1	11.5	5.42	49.3	60	51.1	134	248	54
722	Lockport, New York	Merideth	2	36.1	87.39	31	79.8	n.d.	3	11.4	6.35	56.7	38	58.3	38	295	39
723	Lockport, New York	Endeavor	2	39.2	97.63	40	82.2	2.9	1	9.2	4.68	56.0	97	100.4	67	219	50
724	Lockport, New York	Quest	6	33.6	98.24	37	78.6	2.0	1	13.3	5.40	43.5	157	80.3	327	237	60
725	Lockport, New York	Quest	6	33.9	97.24	47	79.6	2.1	1	11.6	4.88	45.7	114	70.4	256	218	52
726	Lockport, New York	Quest	6	33.0	96.62	45	80.0	2.3	1	11.2	4.71	45.8	102	67.5	410	214	44
727	Lockport, New York	Quest	6	32.6	96.6	46	79.7	2.2	1	10.3	4.69	49.1	80	71.3	387	217	39
728	Lockport, New York	Quest	6	31.0	95.86	40	77.5	2.7	2	10.9	4.71	47.2	87	75.0	323	215	27
729	Lockport, New York	Quest	6	34.1	97.63	42	79.7	2.2	1	11.8	5.03	45.7	118	75.0	348	233	52
730	Lockport, New York	Quest	6	31.3	95.76	44	79.8	2.5	2	10.6	4.69	46.7	76	67.6	439	216	42

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
731	Lockport, New York	Quest	6	32.3	96.86	40	80.1	2.8	1	11.4	5.02	47.6	100	67.8	372	233	42
732	Lockport, New York	Quest	6	31.7	94.96	43	79.3	2.7	1	10.6	4.76	47.1	82	69.5	403	207	38
733	Lockport, New York	Quest	6	33.2	96.62	40	80.5	2.2	1	12.3	5.02	44.0	112	68.1	476	232	52
734	Lockport, New York	Quest	6	31.0	95.46	45	79.9	2.8	1	10.6	4.75	46.0	90	74.0	362	228	43
735	Lockport, New York	Quest	6	32.6	96.38	38	80.3	2.5	1	11.5	4.81	44.5	93	67.9	457	229	52
736	Lockport, New York	Quest	6	33.0	96.86	41	80.3	2.6	1	12.1	5.04	44.2	117	71.6	443	244	52
737	Lockport, New York	Quest	6	32.2	96.39	44	80.0	2.7	1	11.2	4.71	45.3	91	68.0	429	225	44
738	Lockport, New York	Quest	6	33.8	97.83	40	80.3	2.9	2	12.6	5.19	41.9	127	76.3	408	249	50
739	Lockport, New York	Quest	6	31.8	96.49	45	80.2	2.5	1	10.9	4.75	45.9	89	65.2	343	233	43
740	Lockport, New York	Quest	6	31.2	94.28	48	80.0	2.6	1	10.5	4.63	47.3	77	68.1	358	222	38
741	Lockport, New York	Quest	6	33.2	96.32	44	80.6	2.3	1	12.6	5.24	43.7	115	68.6	418	249	56
742	Lockport, New York	Quest	6	32.7	96.88	44	80.5	2.4	1	11.9	4.89	42.4	104	66.0	433	235	52
743	Lockport, New York	Quest	6	32.5	97.48	39	80.0	2.4	1	11.9	4.90	44.3	99	66.4	421	235	52
744		HARRINGTON MALT CHECK	2	39.6	96.82	72	82.6	2.4	1	11.5	4.68	44.3	99	74.7	153	232	53
745	Lockport, New York	Triticale Variety	NA	29.0	93.62	26	84.7	n.d.	3	14.5	5.94	42.7	148	45.3	43	158	43
746	Lockport, New York	Triticale Variety	NA	28.1	91.63	25	84.7	n.d.	3	14.3	6.67	49.1	159	59.3	38	177	38
747	Lockport, New York	Triticale Variety	NA	36.3	95.97	27	86.1	n.d.	3	12.8	6.29	49.6	169	58.7	38	196	54
748	Lockport, New York	Triticale Variety	NA	37.6	97.74	24	82.9	n.d.	3	15.5	7.55	49.5	241	57.0	45	224	46
749	Corvallis, OR	Charles - Cor	2	31.9	99.2	38	79.7	2.7	1	11.6	5.31	46.0	164	101.2	189	249	55
750	Corvallis, OR	Endeavor - Cor	2	33.3	85.1	39	80.4	2.5	1	11.7	5.39	49.4	179	102.5	247	247	48
751	Corvallis, OR	10.0860 - Cor	2	33.6	95.2	34	81.1	2.7	1	11.7	5.26	48.5	138	91.8	77	278	60
752	Corvallis, OR	10.0777 - Cor	2	35.6	93.9	35	81.6	3.1	1	11.1	5.68	52.2	164	110.2	33	283	56
753	Corvallis, OR	TCFW6-194 - Cor	6	31.7	82.9	63	77.1	2.1	1	11.5	3.79	36.1	106	58.1	371	150	23
754	Corvallis, OR	Wintmalt - Cor	2	35.7	93.6	39	79.8	2.2	1	11.7	3.92	36.3	135	56.4	150	168	38
755	Corvallis, OR	Liga - Cor	2	41.8	96.5	46	81.0	2.0	1	10.9	4.12	39.7	139	53.5	43	188	50
756	Corvallis, OR	Maltesse - Cor	2	41.5	95.4	39	79.8	2.4	1	10.3	3.84	39.3	116	47.8	473	157	31
757	Corvallis, OR	Nectaria - Cor	2	42.8	94.9	48	81.3	2.4	1	10.9	4.20	41.5	132	58.6	236	196	54
758	Corvallis, OR	Violetta - Cor	2	40.8	94.2	44	80.8	2.2	1	11.5	4.64	42.2	188	53.8	176	217	59
759	Corvallis, OR	05-5401/01 - Cor	2	42.5	95.9	41	80.9	2.1	1	11.4	4.03	38.8	142	56.5	104	192	54
760	Corvallis, OR	04/028/36 - Cor	2	45.9	97.1	37	81.4	2.3	1	11.2	4.70	42.3	172	50.9	63	192	70
761	Corvallis, OR	07/041/8 - Cor	2	40.6	94.8	38	80.4	2.2	2	11.4	3.66	34.7	128	38.9	85	143	41
762	Corvallis, OR	Malwinta - Cor	2	43.1	96.7	45	80.9	2.1	1	10.8	4.28	40.1	154	50.4	95	169	53
763	Corvallis, OR	Ariane - Cor	2	42.8	96.2	40	80.6	2.1	1	11.2	4.13	40.0	140	53.4	109	189	57
764	Corvallis, OR	SC 11203 - Cor	2	44.4	95.6	37	80.6	2.3	1	10.3	3.87	38.2	129	42.9	406	175	35
765	Corvallis, OR	SC 11213 - Cor	2	39.1	92.2	30	79.7	2.6	1	10.9	3.80	38.0	114	47.9	293	146	29
766	Corvallis, OR	09OR-86 - Pen	6	29.1	51.3	45	85.9	n.d.	3	11.5	3.96	35.8	75	39.9	334	153	17
767	Corvallis, OR	Charles - Pen	2	36.0	92.3	77	81.9	2.2	1	11.4	4.74	43.7	131	91.0	65	213	65
768	Corvallis, OR	Endeavor - Pen	2	33.7	85.1	78	80.6	2.3	1	11.7	4.84	44.2	129	95.7	51	215	60
769	Corvallis, OR	10.0777 - Pen	2	37.8	96.2	76	81.6	2.7	1	11.6	5.30	46.9	136	101.9	30	289	65
770	Corvallis, OR	10.0740 - Pen	2	42.7	98	60	80.3	2.7	1	11.9	5.17	45.4	75	83.3	72	238	60
771	Corvallis, OR	Wintmalt - Pen	2	38.9	96.1	81	80.3	2.1	1	11.1	3.90	36.3	120	57.6	40	146	47
772	Corvallis, OR	Liga - Pen	2	40.2	97.7	80	79.4	1.8	1	11.6	3.81	35.5	133	47.3	36	160	43
773	Corvallis, OR	Maltesse - Pen	2	39.7	96.5	69	78.9	1.9	1	11.4	3.83	35.9	131	55.8	201	157	37

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
774	Corvallis, OR	Nectaria - Pen	2	42.0	95.9	72	80.4	2.0	1	11.9	4.28	38.5	135	59.7	79	181	55
775		HARRINGTON MALT CHECK	2	40.2	97.3	75	82.0	2.1	1	11.9	5.02	46.0	105	89.2	84	240	66
776	Corvallis, OR	Violetta - Pen	2	38.7	95.9	78	80.0	1.7	1	11.5	4.32	39.5	165	59.1	83	185	53
777	Corvallis, OR	05-5401/01 - Pen	2	37.7	96.7	83	80.4	1.7	1	10.9	3.97	38.8	127	58.4	37	164	40
778	Corvallis, OR	04/028/36 - Pen	2	39.7	95.6	80	80.9	2.2	1	12.0	4.53	39.3	148	55.6	32	183	57
779	Corvallis, OR	07/041/8 - Pen	2	41.5	98.1	76	80.5	2.3	2	10.8	3.57	35.2	114	46.5	49	121	37
780	Corvallis, OR	Malwinta - Pen	2	40.8	98.3	80	80.3	1.7	1	11.3	4.00	37.4	143	50.0	57	145	49
781	Corvallis, OR	Ariane - Pen	2	40.4	96.6	75	80.8	2.0	1	11.3	3.89	34.9	124	46.5	37	141	46
782	Corvallis, OR	SC 11213 - Pen	2	37.3	93.6	76	77.7	2.1	1	11.9	3.48	31.7	99	38.1	212	115	17
783	Corvallis, OR	10.0860 - Pen	2	37.6	96.5	81	81.8	2.1	1	11.3	4.49	43.0	110	81.8	47	195	62
784	Corvallis, OR	10.0861	2	40.8	94.8	48	78.7	1.6	1	10.9	3.84	36.1	101	52.0	287	131	31
785	Corvallis, OR	DH 10.1044	2	41.2	93.7	33	80.5	2.1	1	11.7	4.06	36.7	203	43.0	75	147	49
786	Corvallis, OR	DH120032	2	37.7	94.9	27	76.2	1.9	1	13.6	4.57	35.4	127	58.0	316	166	28
787	Corvallis, OR	DH120046	2	40.3	94.9	37	79.8	1.6	1	11.0	3.65	34.1	116	63.0	117	121	37
788	Corvallis, OR	DH120186	2	47.3	97	38	79.1	2.8	1	13.5	5.43	41.4	187	114.3	48	242	59
789	Corvallis, OR	DH120228	2	42.6	96.4	48	82.2	2.0	1	11.5	5.40	50.3	165	110.2	31	259	65
790	Corvallis, OR	DH120271	2	43.1	96.5	37	78.9	2.2	1	13.0	5.15	42.1	183	96.0	79	235	59
791	Corvallis, OR	DH120276	2	37.6	94.2	41	80.9	2.1	1	11.8	4.91	44.8	146	94.9	60	207	62
792	Corvallis, OR	DH130048	2	48.6	96.2	36	78.4	2.0	1	12.1	4.14	35.7	131	70.6	42	154	50
793	Corvallis, OR	DH130039	2	39.4	96	29	80.8	2.7	1	13.0	5.72	45.2	170	103.5	42	253	55
794	Corvallis, OR	DH130045	2	38.7	97.6	34	79.8	2.4	1	12.7	5.21	42.2	132	81.1	209	237	57
795	Corvallis, OR	DH130004	2	42.1	98.5	43	81.0	2.3	1	12.7	5.54	46.2	137	72.7	46	272	70
796	Corvallis, OR	DH130131	2	39.2	97.2	41	78.8	n.d.	3	12.5	4.62	37.2	148	47.3	79	198	51
797	Corvallis, OR	DH120412	2	43.9	96.2	33	80.2	2.6	1	12.2	5.19	45.3	203	70.7	39	256	67
798	Corvallis, OR	DH120479	2	48.5	98.2	50	78.6	3.3	2	13.1	4.48	36.7	184	40.0	54	192	46
799	Corvallis, OR	DH120293	2	39.4	94.3	40	79.9	1.7	1	10.4	3.90	41.2	120	69.2	48	163	44
800	Corvallis, OR	DH130864	2	42.8	94.2	41	78.7	1.6	1	13.6	4.67	35.4	283	58.0	62	206	49
801	Corvallis, OR	DH130939	2	46.6	97.8	41	81.5	2.5	1	11.3	4.96	46.6	130	98.6	125	251	66
802	Corvallis, OR	DH130590	2	45.6	98.6	48	79.2	2.2	2	13.8	5.03	39.0	237	53.6	92	207	48
803	Corvallis, OR	DH130860	2	49.4	97.7	37	79.6	2.1	1	11.3	3.90	37.7	116	43.9	157	163	37
804	Corvallis, OR	DH130935	2	41.6	95	31	85.3	1.3	1	11.8	3.78	34.4	87	38.8	267	129	31
805	Corvallis, OR	DH130527	2	40.8	97.5	26	80.9	2.7	1	12.3	5.51	48.3	150	101.1	37	278	61
806		HARRINGTON MALT CHECK	2	40.7	97.4	75	81.8	2.0	1	11.6	4.96	45.5	100	81.4	61	232	62
807	Corvallis, OR	DH130533	2	38.1	95	38	79.4	2.5	1	13.1	5.79	44.8	155	99.6	44	288	52
808	Corvallis, OR	DH130718	2	43.7	99.4	38	80.4	1.9	1	12.6	5.09	43.2	140	79.8	61	238	67
809	Corvallis, OR	DH130762	2	34.0	90.7	32	79.3	2.0	1	12.9	5.18	43.1	155	88.6	148	248	55
810	Corvallis, OR	DH130765	2	45.2	98.9	31	81.2	2.0	1	13.6	5.82	45.3	206	82.7	43	283	56
811	Corvallis, OR	DH130328	2	40.6	96.4	47	79.5	n.d.	3	12.0	4.30	38.9	163	44.4	79	171	47
812	Corvallis, OR	DH130909	2	46.4	97.1	38	77.7	1.8	1	12.9	4.88	40.6	184	51.9	64	223	60
813	Corvallis, OR	DH130910	2	50.6	98.3	54	80.6	1.8	1	12.3	4.46	37.3	164	41.3	64	192	59
814	Corvallis, OR	DH130709	2	46.3	98.1	35	76.8	1.8	1	13.9	4.65	34.3	173	50.5	113	191	41
815	Corvallis, OR	10.0904	2	39.2	93.5	38	79.3	1.8	1	11.8	3.77	34.8	88	46.5	144	151	30
816	Corvallis, OR	10.0925	2	39.6	95.9	38	80.7	1.9	1	10.2	3.62	38.0	85	46.1	80	152	32

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
817	Corvallis, OR	10.0656	2	42.6	97.2	31	85.3	1.6	1	12.3	3.98	33.9	65	47.6	919	144	36
818	Corvallis, OR	10.0691	2	41.1	94	35	84.3	1.4	1	12.1	3.50	31.1	56	41.6	1148	127	35
819	Corvallis, OR	10.0883	2	44.8	93.9	22	86.8	1.9	1	11.2	3.90	37.3	68	47.5	721	140	36
820	Corvallis, OR	10.0969	2	41.3	94.5	27	85.3	2.0	1	11.6	3.86	33.8	88	38.0	202	112	31
821	Corvallis, OR	10.1151	6	28.6	51.1	41	81.8	4.2	2	11.9	3.72	32.5	100	36.4	398	120	23
822	Corvallis, OR	10.1154	6	33.7	87.5	31	84.1	3.8	2	10.6	3.54	35.9	100	44.3	346	112	30
823	Corvallis, OR	10.1328	6	32.7	80.8	27	83.7	3.2	1	10.1	3.86	39.8	83	39.4	664	130	27
824	Corvallis, OR	10.1332	6	29.2	72.8	29	80.5	4.3	1	10.7	3.55	35.3	97	38.2	691	124	19
825	Corvallis, OR	10.1661	6	29.8	65.8	23	85.3	3.2	2	9.9	3.17	34.9	94	30.5	493	92	18
826	Corvallis, OR	10.1934	6	36.5	95.6	42	81.2	n.d.	3	11.8	3.78	33.7	110	36.4	451	135	30
827	Corvallis, OR	10.1985	6	29.4	77.6	40	81.8	5.1	2	10.6	3.20	30.9	58	28.1	756	94	21
828	Corvallis, OR	10.1986	6	33.4	81.3	35	82.1	3.1	2	10.9	3.39	33.5	78	34.2	740	111	26
829	Corvallis, OR	10.2393	6	33.5	86.4	38	82.4	4.1	2	10.5	3.60	36.2	73	34.4	475	124	26
830	Corvallis, OR	10.0656	2	45.3	96	42	84.8	3.1	1	12.3	4.52	38.5	53	48.7	926	158	43
831	Corvallis, OR	10.0691	2	44.4	94.3	45	85.1	n.d.	3	11.3	3.51	32.8	45	44.3	1071	111	34
832	Corvallis, OR	10.0883	2	42.3	82.2	38	86.6	3.4	2	11.7	4.92	42.2	64	56.2	555	168	45
833	Corvallis, OR	10.0969	2	50.4	94.5	36	85.2	1.9	1	11.6	4.62	42.0	83	41.3	349	144	48
834	Corvallis, OR	10.1151	6	35.0	76.6	43	84.5	2.8	2	11.3	3.49	32.0	80	37.0	597	123	24
835	Corvallis, OR	10.1154	6	34.7	84.1	45	84.3	2.2	1	11.6	3.81	35.2	95	52.4	485	125	39
836	Corvallis, OR	10.1332	6	33.7	78.7	27	83.7	1.9	1	11.6	3.64	31.7	87	42.2	717	119	34
837		HARRINGTON MALT CHECK	2	39.6	96.5	73	82.2	2.4	1	12.2	5.06	43.3	101	83.8	213	211	57
838	Corvallis, OR	10.1661	6	29.4	43.3	26	82.8	1.9	2	12.2	3.53	30.3	95	33.9	633	96	23
839	Corvallis, OR	10.1985	6	31.1	70.9	30	81.5	2.2	2	12.3	3.56	29.1	71	25.7	807	100	25
840	Corvallis, OR	10.2393	6	34.6	87.9	49	84.5	2.0	1	11.4	3.99	38.2	72	40.2	287	141	31
841	Corvallis, OR	10.0655	2	49.8	98.2	49	82.9	1.3	1	12.9	3.49	27.4	36	30.4	1119	105	32
842	Corvallis, OR	10.0662	2	48.9	96.8	49	81.3	1.2	1	12.8	3.25	26.7	47	21.7	1160	86	32
843	Corvallis, OR	10.0686	2	42.0	82	37	82.2	1.7	1	13.5	3.82	30.0	54	29.8	1095	134	16
844	Corvallis, OR	Food 12	2	41.0	90	38	83.7	1.4	1	11.5	3.39	31.5	43	29.9	1027	112	31
845	Corvallis, OR	10.0964	2	49.5	95.6	34	85.8	1.6	1	12.2	4.43	39.3	93	40.9	210	155	43
846	Corvallis, OR	10.1119	6	37.0	81.5	29	82.7	2.3	2	10.6	3.08	32.0	56	27.2	804	106	26
847	Corvallis, OR	10.1135	6	36.0	77.8	11	84.9	2.5	2	10.6	3.24	32.5	86	38.4	687	110	24
848	Corvallis, OR	10.115	6	35.4	67.9	39	86.3	1.7	1	10.7	3.38	33.9	88	41.4	225	125	26
849	Corvallis, OR	Food 26	6	36.7	75.8	15	85.7	2.5	2	9.1	3.15	38.6	47	32.2	663	104	24
850	Corvallis, OR	10.1492	6	33.9	78.8	44	84.0	1.8	1	10.5	3.49	34.2	78	38.5	619	130	25
851	Corvallis, OR	10.1618	6	30.8	76.2	26	84.7	2.7	2	9.9	3.59	37.5	81	35.9	571	111	23
852	Corvallis, OR	10.2006	6	33.3	57.5	35	85.2	2.1	2	10.1	3.55	36.0	59	29.2	473	125	21
853	Corvallis, OR	10.2021	6	30.2	37.9	25	83.7	2.5	2	12.4	3.67	31.3	108	34.3	482	120	25
854	Corvallis, OR	10.2464	6	32.8	68.9	41	83.9	2.3	2	11.0	3.53	35.1	73	33.7	431	126	21
855	Corvallis, OR	1-Jan	2	37.3	75.9	31	82.6	2.9	1	10.9	3.72	35.4	62	36.8	869	140	17
856	Corvallis, OR	4-Jan	2	39.0	70.5	30	84.9	2.0	1	11.0	4.27	41.9	81	59.4	392	151	39
857	Corvallis, OR	6-Jan	2	37.5	68.2	23	84.6	2.7	1	11.3	4.24	39.1	86	60.5	381	163	32
858	Corvallis, OR	4-Apr	2	38.8	74.7	35	84.0	3.2	1	10.7	4.09	40.7	91	50.9	357	160	34
859	Corvallis, OR	9	2	37.7	88.1	35	86.6	2.3	1	11.3	3.86	37.6	107	42.1	530	142	33

2014CY Breeders' Submissions

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860	Corvallis, OR	3-Nov	2	36.1	69.8	29	86.1	2.4	1	10.5	3.81	39.1	87	43.9	414	144	21
861	Corvallis, OR	DZ100289	2	37.6	88.6	37	86.6	1.4	1	12.1	4.42	38.8	156	58.9	324	170	46
862	Corvallis, OR	09OR-86	6	29.2	54.1	23	84.9	2.6	2	10.9	3.60	35.1	67	31.7	791	125	18
863	Corvallis, OR	DH120026	2	37.7	90	43	79.9	2.6	1	12.1	5.20	43.9	133	93.3	351	253	55
864	Corvallis, OR	DH120036	2	43.9	96	44	81.7	2.7	1	12.6	5.99	49.2	139	90.0	200	301	54
865	Corvallis, OR	DH120104	2	37.6	92.6	49	82.3	2.8	1	10.0	5.16	56.4	133	108.3	171	255	48
866	Corvallis, OR	DH120112	2	34.5	87.1	43	81.8	2.2	1	10.6	4.21	43.2	134	68.8	217	176	42
867	Corvallis, OR	DH120143	2	44.2	93.8	37	80.7	3.2	1	11.2	5.07	47.0	117	78.7	106	260	60
868		HARRINGTON MALT CHECK	2	39.8	96.8	73	82.7	2.1	1	11.3	5.24	49.3	98	86.5	125	246	51
869	Corvallis, OR	DH120175	2	41.3	96.7	35	82.1	2.2	1	9.7	4.58	49.6	150	100.8	51	227	59
870	Corvallis, OR	DH120178	2	41.2	96	37	81.5	2.1	1	10.6	5.29	50.4	167	92.8	49	255	59
871	Corvallis, OR	DH120193	2	45.9	97.2	49	82.2	2.0	1	8.8	4.00	46.1	86	68.1	147	179	45
872	Corvallis, OR	DH120197	2	38.5	91.1	46	78.3	1.8	1	11.4	4.74	42.7	142	84.5	220	219	54
873	Corvallis, OR	DH120201	2	40.7	95.3	45	82.8	2.2	1	10.3	5.07	50.6	156	96.0	55	247	59
874	Corvallis, OR	DH120203	2	43.0	96.2	38	80.8	2.3	1	11.5	5.64	50.6	186	93.7	63	266	58
875	Corvallis, OR	DH120204	2	40.7	94.6	45	81.2	1.8	1	9.5	4.13	43.4	76	57.0	154	187	44
876	Corvallis, OR	DH120206	2	39.2	92.5	41	82.8	2.4	1	10.0	5.27	55.1	114	88.1	34	268	54
877	Corvallis, OR	DH120232	2	40.2	94.1	36	81.7	2.5	1	10.2	5.36	54.6	89	101.3	155	269	45
878	Corvallis, OR	DH120304	2	42.7	95.9	49	81.4	2.6	1	10.3	5.61	56.4	130	85.8	46	295	56
879	Corvallis, OR	DH130724	2	44.5	96.1	39	79.8	2.6	1	12.4	5.57	47.1	130	86.8	84	271	62
880	Corvallis, OR	DH130735	2	41.7	95	45	81.4	2.5	1	10.6	5.21	51.5	197	100.4	42	269	59
881	Corvallis, OR	DH131038	2	46.0	96.2	42	81.1	2.0	1	10.7	4.45	43.4	146	63.0	98	200	65
882	Corvallis, OR	DH131055	2	52.4	99	54	79.9	n.d.	3	11.7	4.27	37.6	105	53.4	136	194	49
883	Corvallis, OR	DH131064	2	44.5	94.6	52	79.3	2.1	1	11.4	4.41	40.8	175	60.5	104	190	58
884	Corvallis, OR	DH131067	2	40.0	93.1	43	79.2	2.2	1	11.7	4.41	38.8	231	54.7	78	176	51
885	Corvallis, OR	DH131110	2	50.8	94.1	42	81.6	3.3	1	11.2	5.32	49.1	139	82.0	133	268	61
886	Corvallis, OR	DH131127	2	40.8	95.2	36	79.3	1.9	1	13.3	4.86	36.7	184	51.6	51	206	53
887	Corvallis, OR	DH131143	2	39.9	93.4	34	80.7	3.1	1	11.9	5.81	51.2	151	113.7	75	286	55
888	Corvallis, OR	DH131145	2	43.9	98.6	48	81.7	2.7	1	11.4	6.12	54.6	186	97.8	75	313	58
889	Corvallis, OR	DH131153	2	52.8	95.4	37	76.1	2.3	1	12.3	4.58	39.3	155	56.7	324	195	48
890	Corvallis, OR	DH131184	2	49.4	97.8	29	82.3	2.9	1	11.2	5.66	52.7	128	98.1	72	295	61
891	Corvallis, OR	DH131191	2	49.5	96.3	39	81.9	2.4	1	11.0	5.02	47.5	102	81.6	120	257	58
892	Corvallis, OR	DH131198	2	45.4	97.3	50	81.1	2.4	1	12.0	5.88	50.1	158	97.3	69	291	61
893	Corvallis, OR	DH131283	2	42.7	92.1	48	80.7	2.0	1	10.4	4.83	46.6	125	74.8	279	233	55
894	Corvallis, OR	DH131288	2	48.5	98.4	51	79.6	1.5	1	11.5	4.14	36.2	210	63.2	374	163	46
895	Corvallis, OR	DH131333	2	40.7	92.5	50	81.0	1.5	1	10.8	4.10	38.7	194	65.1	198	159	43
896	Corvallis, OR	DH131444	2	47.9	98.7	52	81.9	2.3	1	11.2	5.26	48.5	133	78.9	227	250	58
897	Corvallis, OR	DH131528	2	46.6	98.7	39	79.8	1.8	1	10.9	4.07	37.3	129	58.7	194	169	41
898	Corvallis, OR	DH131994	2	49.9	98.5	44	78.1	1.8	1	12.9	4.50	35.1	175	47.1	151	168	44
899		HARRINGTON MALT CHECK	2	40.7	96.4	74	81.7	2.0	1	11.4	4.92	44.8	113	88.1	124	228	62
900	Corvallis, OR	DH132008	2	40.4	96.8	40	82.8	2.3	1	10.0	4.69	47.1	73	87.1	203	240	45
901	Corvallis, OR	DH132018	2	42.7	95	54	81.1	1.4	1	12.2	4.71	40.3	148	68.8	177	194	63
902	Corvallis, OR	DH132020	2	46.3	97	45	80.9	2.4	1	12.0	5.79	48.2	125	93.4	170	293	51

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
903	Corvallis, OR	DH132158	2	42.0	92.7	45	78.0	1.7	1	12.7	4.62	37.3	173	71.1	235	196	52
904	Corvallis, OR	120571	2	54.5	99.3	51	78.9	1.8	1	12.1	4.68	39.8	100	53.8	272	197	49
905	Corvallis, OR	120593	2	45.8	98.9	42	78.7	2.0	1	12.3	4.38	38.3	104	46.3	155	188	40
906	Corvallis, OR	DH120052	2	45.0	95.6	46	79.4	1.8	1	11.0	4.39	40.4	147	67.5	152	178	51
907	Corvallis, OR	DH120076	2	44.1	95.4	42	79.3	1.6	1	11.5	3.82	33.5	127	67.2	176	136	40
908	Corvallis, OR	DH120077	2	40.2	95.1	48	80.4	1.9	1	11.4	4.80	42.7	169	87.3	226	230	59
909	Corvallis, OR	DH120110	2	42.8	94.1	34	78.7	1.8	1	12.0	4.56	39.3	121	55.0	90	197	59
910	Corvallis, OR	DH120160	2	43.2	95	37	79.9	2.3	1	12.3	5.66	46.5	164	84.1	54	264	63
911	Corvallis, OR	DH120182	2	38.5	90.2	41	80.3	2.2	1	11.6	5.46	49.2	144	91.6	113	262	55
912	Corvallis, OR	DH120188	2	36.3	96	50	80.8	1.7	1	10.8	4.47	43.7	91	75.3	302	206	43
913	Corvallis, OR	DH120200	2	33.9	90.5	54	81.0	1.5	1	9.5	3.63	39.8	71	52.6	106	143	32
914	Corvallis, OR	DH120205	2	35.6	85.8	42	78.6	2.3	1	11.3	4.16	37.1	132	50.8	274	174	36
915	Corvallis, OR	DH120238	2	39.2	96	36	79.7	1.9	1	11.5	4.20	37.8	118	46.4	185	177	37
916	Corvallis, OR	DH120242	2	38.4	94.8	36	78.9	1.9	1	11.7	4.12	36.0	113	54.7	540	178	37
917	Corvallis, OR	DH120243	2	41.6	96.2	40	80.5	1.9	1	11.7	4.59	39.5	171	69.7	111	210	57
918	Corvallis, OR	DH133487	2	43.5	95.4	73	79.9	1.5	1	10.6	3.71	35.9	145	65.2	85	166	45
919	Corvallis, OR	DH133897	2	43.1	95	63	80.7	2.1	1	10.6	4.12	41.1	111	96.4	145	216	51
920	Corvallis, OR	DH133898	2	50.3	97.2	63	79.3	2.1	1	11.8	4.91	42.3	168	94.8	57	237	64
921	Corvallis, OR	DH133900	2	49.4	97.8	63	79.6	2.0	1	12.2	4.70	41.7	154	80.5	81	237	67
922	Corvallis, OR	DH133967	2	47.5	98.3	64	82.3	2.2	1	9.7	4.45	46.9	98	96.1	44	215	58
923	Corvallis, OR	DH133970	2	44.6	96.3	69	79.9	1.8	1	10.1	3.52	35.5	112	65.5	127	143	38
924	Corvallis, OR	DH133971	2	52.9	99.3	64	79.2	1.9	1	12.4	4.56	37.3	135	89.5	311	183	50
925	Corvallis, OR	DH133972	2	52.4	97.2	52	79.1	2.2	1	11.9	5.17	45.4	119	73.1	82	246	61
926	Corvallis, OR	DH133973	2	49.5	96.3	63	80.8	2.3	1	10.7	5.29	50.0	131	106.0	47	275	57
927	Corvallis, OR	DH133974	2	50.0	98.2	63	79.9	2.0	1	12.0	5.25	44.5	156	105.4	53	248	67
928	Corvallis, OR	DH140082	2	52.8	98.3	62	79.2	2.3	1	12.7	5.89	47.3	182	92.3	59	278	55
929	Corvallis, OR	DH140083	2	48.4	99	65	79.0	2.1	1	11.7	5.14	45.8	140	107.2	44	277	64
930		HARRINGTON MALT CHECK	2	41.0	97.1	74	81.8	1.6	1	11.7	4.75	41.8	124	89.4	104	233	65
931	Corvallis, OR	DH140084	2	45.6	92.7	66	81.2	1.9	1	9.7	4.38	47.5	122	87.6	55	220	56
932	Corvallis, OR	DH140088	2	50.2	98.6	62	79.7	1.9	1	11.2	4.79	46.2	108	98.9	67	248	64
933	Corvallis, OR	DH140182	2	48.9	98.7	60	79.5	2.2	1	11.9	5.37	46.1	136	103.0	46	281	67
934	Corvallis, OR	DH140184	2	50.6	99.3	66	79.7	1.4	1	10.1	3.47	35.1	109	46.8	60	129	39
935	Corvallis, OR	DH140187	2	47.3	98	59	79.4	2.1	1	10.7	4.74	44.6	174	90.6	65	218	62
936	Corvallis, OR	DH140188	2	45.6	96.3	58	79.3	2.1	1	10.6	4.79	45.4	101	74.4	61	279	56
937	Corvallis, OR	DH140189	2	47.9	96.6	60	78.6	2.4	1	13.5	5.15	40.3	162	91.2	61	292	54
938	Corvallis, OR	DH140192	2	49.5	97.1	62	79.6	3.1	1	12.2	5.43	45.7	139	102.2	83	321	67
939	Corvallis, OR	DH140194	2	48.5	99	56	79.3	2.1	1	11.8	4.84	44.0	169	86.8	59	259	64
940	Corvallis, OR	Full Pint-SR-F	2	43.1	93.8	36	79.0	2.4	1	13.2	5.48	41.6	193	107.9	255	302	52
941	Corvallis, OR	Full Pint-DR-F	2	40.5	90.1	36	79.3	2.2	1	13.2	5.29	42.6	227	111.9	167	300	51
942	Corvallis, OR	Full Pint-MP-F	2	39.9	93.6	42	80.6	2.1	1	10.7	4.74	44.5	195	110.6	122	249	55
943	Corvallis, OR	Full Pint-DR-W	2	50.2	99.4	52	79.7	2.3	1	11.5	4.75	41.6	145	105.9	207	268	60
944	Corvallis, OR	Full Pint-MP-W	2	47.0	95.8	58	79.9	2.0	1	10.6	4.51	42.6	136	108.4	146	263	58
945	Corvallis, OR	10.0860-SR-F	2	36.8	92.6	42	81.6	2.4	1	11.3	4.93	44.6	118	84.0	166	260	55

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
946	Corvallis, OR	10.0860-DR-F	2	36.0	94.3	38	82.4	2.1	1	10.3	4.51	47.8	120	74.2	83	220	55
947	Corvallis, OR	10.0860-MP-F	2	40.2	96.2	51	82.9	2.0	1	10.0	4.46	46.4	113	81.5	64	261	61
948	Corvallis, OR	10.0777-DR-W	2	42.6	94.6	66	81.1	2.7	1	9.8	4.99	52.1	102	114.8	53	256	57
949	Corvallis, OR	10.0777-MP-W	2	43.8	97.5	65	81.1	2.5	1	10.0	4.83	49.8	103	107.3	50	237	57
950	Corvallis, OR	Maris Otter-MP-F	2	31.9	86.8	51	81.8	1.8	1	9.2	3.81	44.7	67	39.7	130	148	28
951	Corvallis, OR	DH131142	2	40.9	95	36	79.8	1.7	1	11.6	4.14	36.9	193	61.8	56	158	52
952	Corvallis, OR	DH120015	2	46.0	97.7	48	82.5	2.4	1	9.6	4.77	51.8	130	86.5	49	249	60
953	Lincoln, NE	Pinnacle?	2	37.6	89.8	24	78.8	6.3	2	13.3	5.67	43.1	99	54.1	254	260	33
954	Lincoln, NE	Pinnacle?	2	38.5	0	24	78.2	6.8	2	13.4	6.07	46.6	97	53.2	180	277	29
955	Osnabrock, ND	ROBUST	6	37.0	98.6	30	77.4	2.4	1	16.2	5.85	38.1	191	53.3	228	271	34
956	Osnabrock, ND	LACEY	6	38.3	98.8	28	78.3	2.8	1	14.9	5.69	39.2	180	63.8	164	262	48
957	Osnabrock, ND	TRADITION	6	36.7	98.7	36	78.4	2.5	1	14.5	5.24	36.6	208	68.1	156	249	48
958	Osnabrock, ND	STELLAR-ND	6	38.2	98.9	40	78.6	3.2	1	14.7	5.77	40.0	208	63.9	124	277	44
959	Osnabrock, ND	QUEST	6	35.0	96.8	28	78.6	2.3	1	14.2	5.38	39.5	178	70.0	266	257	45
960	Osnabrock, ND	ND34009	6	40.4	98.6	28	78.7	3.2	1	13.8	5.59	40.7	162	67.5	142	264	53
961		LACEY MALT CHECK	6	32.9	85.5761	43	79.6	3.1	1	14.0	5.97	44.7	152	85.4	50	309	56
962	Osnabrock, ND	ND34010	6	39.4	99.2	29	79.7	2.8	1	12.7	5.02	40.6	136	68.5	108	233	58
963	Osnabrock, ND	ND34011	6	38.6	99	33	78.4	3.1	1	13.7	4.81	35.4	144	65.4	187	209	46
964	Osnabrock, ND	ND34012	6	38.8	98.5	33	78.9	2.9	1	13.9	5.36	39.5	157	73.6	135	260	53
965	Osnabrock, ND	ND34013	6	38.9	97.9	33	79.4	2.6	1	13.3	5.07	38.9	163	75.9	121	242	57
966	Osnabrock, ND	ND34014	6	37.5	98.7	32	79.7	3.2	1	12.7	5.34	42.2	181	68.3	89	255	70
967	Osnabrock, ND	ND34019	6	35.8	98.5	32	78.7	2.8	1	14.4	6.27	44.6	170	66.9	78	274	50
968	Osnabrock, ND	ND34023	6	36.6	99.1	37	78.6	2.8	1	13.4	5.33	40.6	159	62.3	292	228	55
969	Osnabrock, ND	ND34024	6	36.1	98.1	33	78.4	3.2	1	14.0	5.65	42.0	176	66.3	170	244	50
970	Osnabrock, ND	ND34026	6	39.7	98.9	33	79.5	3.3	1	13.4	6.13	46.9	150	73.5	190	298	56
971	Osnabrock, ND	ND34037	6	36.2	97.5	33	77.0	2.8	2	14.1	5.06	36.2	209	58.1	163	208	36
972	Osnabrock, ND	ND34038	6	38.0	98.4	36	78.6	2.8	1	14.2	5.78	41.9	198	71.7	136	245	44
973	Osnabrock, ND	ND34040	6	36.4	97.2	32	78.2	4.3	1	14.2	5.80	41.8	199	71.4	132	261	41
974	Osnabrock, ND	ND34042	6	38.5	98.2	38	79.0	3.8	1	14.6	6.47	45.1	217	71.1	105	283	53
975	Osnabrock, ND	ND34044	6	38.0	77.1	39	79.0	4.9	1	14.6	6.31	44.4	207	70.1	75	282	48
976	Osnabrock, ND	ND34049	6	39.0	99	31	79.3	2.5	1	14.5	6.62	46.2	210	73.5	120	320	53
977	Osnabrock, ND	ND34056	6	37.7	98.7	37	77.9	3.0	1	14.8	6.14	42.8	235	69.1	79	288	47
978	Osnabrock, ND	ND34058	6	38.7	99	39	78.5	3.0	1	14.6	6.05	43.4	220	70.0	77	269	50
979	Osnabrock, ND	ND34059	6	37.9	98.4	37	78.0	2.9	1	14.4	5.98	41.8	204	67.1	106	268	45
980	Osnabrock, ND	ND34065	6	38.5	98.6	36	78.4	2.6	1	14.6	5.78	40.6	208	63.7	107	248	48
981	Osnabrock, ND	ND34069	6	38.4	99.2	29	79.5	2.7	1	12.4	5.16	43.1	140	65.0	149	234	62
982	Osnabrock, ND	ND34070	6	37.4	98	34	78.0	2.3	1	14.0	5.42	39.8	172	69.6	107	242	49
983	Osnabrock, ND	ND34075	6	38.3	99.2	36	78.5	2.9	1	14.8	5.91	41.4	176	67.5	169	280	44
984	Osnabrock, ND	ND34076	6	37.3	98.8	30	79.8	2.8	1	12.3	5.10	42.8	141	63.6	260	246	59
985	Osnabrock, ND	ND34080	6	36.9	98.8	36	78.6	3.2	1	13.7	5.93	43.3	169	69.0	166	291	54
986	Osnabrock, ND	ND34081	6	37.3	99.2	33	78.0	2.3	1	14.5	5.65	39.1	185	64.2	198	259	42
987	Osnabrock, ND	ND34083	6	37.8	98.8	33	77.3	2.9	1	15.1	5.77	40.3	181	67.6	151	261	37
988	Osnabrock, ND	ND34089	6	35.5	98.9	35	78.5	3.2	1	13.3	5.57	43.0	174	64.4	60	271	67

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
989	Osnabrock, ND	ND34090	6	37.4	98.7	33	78.2	3.0	1	13.3	5.43	42.9	163	69.0	110	254	67
990		LACEY MALT CHECK	6	33.6	89	41	79.0	2.5	1	13.1	5.61	43.3	168	85.5	34	265	67
991	Osnabrock, ND	ND34095	6	37.1	98.5	26	79.4	3.8	1	13.0	5.57	44.1	169	68.5	69	259	70
992	Osnabrock, ND	ND34098	6	37.2	99.1	30	78.4	3.6	2	13.6	5.08	37.3	181	62.8	169	222	48
993	Osnabrock, ND	ND34103	6	36.3	98.8	29	77.4	3.1	1	15.0	5.73	39.3	197	74.6	81	247	41
994	Osnabrock, ND	ROBUST	6	38.2	98.2	30	76.8	2.4	1	15.8	5.92	38.5	231	54.8	201	253	34
995	Osnabrock, ND	LACEY	6	39.2	97.8	32	77.8	3.0	1	15.0	5.74	39.1	208	65.7	87	245	45
996	Osnabrock, ND	TRADITION	6	35.2	97.5	38	77.4	2.8	1	15.3	5.33	35.1	247	62.6	171	224	38
997	Osnabrock, ND	STELLAR-ND	6	38.0	98.4	40	77.9	5.3	1	15.6	6.70	43.6	241	62.0	68	295	47
998	Osnabrock, ND	QUEST	6	35.9	96.5	33	77.8	2.2	1	14.9	5.57	38.2	222	70.8	219	243	42
999	Osnabrock, ND	ND34110	6	38.4	99.4	31	77.8	3.3	1	15.1	5.65	39.8	185	66.1	87	240	49
1000	Osnabrock, ND	ND34111	6	39.6	98.7	26	77.6	3.3	1	14.8	5.85	41.1	159	65.2	97	257	41
1001	Osnabrock, ND	ND34114	6	37.7	98.9	32	77.9	3.3	1	15.3	5.80	39.9	215	66.7	133	279	41
1002	Osnabrock, ND	ND34115	6	36.8	98.8	34	79.9	4.7	2	12.3	5.51	48.1	138	64.3	88	285	61
1003	Osnabrock, ND	ND34118	6	39.6	99.3	30	79.6	3.5	2	12.3	4.82	40.1	137	64.9	98	238	57
1004	Osnabrock, ND	ND34128	6	39.3	98.8	32	78.2	4.3	1	14.1	6.03	43.2	168	64.3	72	286	47
1005	Osnabrock, ND	ND34132	6	37.8	99.2	34	78.5	3.5	1	13.1	5.42	43.1	171	63.2	75	257	67
1006	Osnabrock, ND	ND34134	6	37.6	98.5	25	78.3	4.4	1	15.0	5.72	40.3	159	66.5	158	266	44
1007	Osnabrock, ND	ND34135	6	36.5	99.2	31	79.2	4.3	1	13.5	5.51	43.3	163	62.1	69	264	70
1008	Osnabrock, ND	ND34139	6	40.1	99.4	26	79.8	4.6	1	12.6	5.63	47.1	141	67.0	103	278	65
1009	Osnabrock, ND	ND34140	6	36.8	98.2	34	78.1	4.1	1	13.9	5.91	42.7	173	62.7	87	275	55
1010	Osnabrock, ND	ND34141	6	36.3	98.7	34	77.9	4.0	1	14.1	5.48	39.9	163	61.4	92	263	49
1011	Osnabrock, ND	ND34144	6	36.2	98	28	79.5	4.7	1	13.0	5.48	45.3	151	65.0	92	274	70
1012	Osnabrock, ND	ND34146	6	37.4	98.9	31	78.0	4.0	1	14.0	5.58	41.6	166	63.1	111	276	54
1013	Osnabrock, ND	ND34147	6	39.4	98.7	28	77.2	4.1	1	15.9	6.20	39.3	189	67.3	85	282	38
1014	Osnabrock, ND	ND34149	6	36.0	98.8	34	79.1	4.2	1	15.3	6.89	46.6	220	81.0	147	333	49
1015	Osnabrock, ND	ND34150	6	38.4	98.7	30	78.1	3.3	1	13.0	5.08	41.6	157	64.4	119	249	55
1016	Osnabrock, ND	ND34151	6	34.2	99.2	33	77.3	3.1	1	15.2	5.95	39.8	237	65.8	66	283	41
1017	Osnabrock, ND	ND34154	6	36.4	99.2	29	78.5	2.9	1	13.1	5.17	40.8	203	68.6	45	243	58
1018	Osnabrock, ND	ND34157	6	34.7	99	34	78.2	3.1	1	13.4	5.07	40.2	190	67.0	38	253	58
1019	Osnabrock, ND	ND34159	6	35.9	96	26	77.4	3.5	1	14.5	5.49	39.2	186	75.1	50	255	45
1020	Osnabrock, ND	ND34160	6	35.8	98	28	78.7	4.1	1	14.4	6.07	45.3	201	71.8	32	313	50
1021		LACEY MALT CHECK	6	32.6	89.8	41	79.0	2.9	1	13.4	5.64	43.8	191	83.8	40	303	67
1022	Osnabrock, ND	ND34161	6	34.6	97.4	33	78.1	3.7	1	14.3	5.59	40.4	198	71.3	35	274	49
1023	Osnabrock, ND	ROBUST	6	37.3	98.6	30	76.9	2.6	1	16.2	5.90	37.5	232	56.4	185	279	34
1024	Osnabrock, ND	LACEY	6	39.2	98.7	33	77.9	3.1	1	14.9	5.75	39.6	208	64.7	68	248	45
1025	Osnabrock, ND	TRADITION	6	35.7	97.8	37	77.4	2.6	2	15.5	5.05	33.3	253	70.3	188	201	33
1026	Osnabrock, ND	STELLAR-ND	6	38.8	98.7	36	78.1	4.1	2	15.5	6.57	43.5	261	69.4	58	291	46
1027	Osnabrock, ND	QUEST	6	36.6	97.4	31	77.9	2.0	1	15.2	5.51	37.1	228	81.5	200	247	42
1028	Osnabrock, ND	ND34162	6	38.4	98.2	33	77.6	2.7	1	15.0	5.67	39.8	206	70.3	86	266	45
1029	Osnabrock, ND	ND34163	6	36.0	98.8	32	77.7	2.2	1	14.8	4.95	34.4	187	72.2	67	205	41
1030	Osnabrock, ND	ND34165	6	37.5	99	26	77.7	2.6	1	13.6	5.29	38.9	189	70.6	66	260	50
1031	Osnabrock, ND	ND34166	6	37.6	98.3	29	79.7	2.9	1	12.7	5.06	43.2	162	74.7	45	267	66

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1032	Osnabrock, ND	ND34167	6	35.2	99.1	26	79.6	2.8	1	12.8	5.20	41.2	167	74.6	71	257	61
1033	Osnabrock, ND	ND34168	6	35.6	97.8	27	77.9	2.7	1	14.6	5.52	38.6	221	64.7	37	237	49
1034	Osnabrock, ND	ND34169	6	36.3	98.5	33	78.2	2.8	1	14.0	5.34	40.1	195	70.7	43	236	57
1035	Osnabrock, ND	ND34170	6	34.8	99	35	77.7	2.7	1	15.1	5.65	38.7	189	69.8	55	272	45
1036	Osnabrock, ND	ND34172	6	35.7	98.2	28	80.3	3.1	1	12.3	5.23	44.2	153	81.8	56	283	70
1037	Osnabrock, ND	ND34174	6	35.3	99.1	30	80.1	2.6	1	13.4	5.87	44.8	195	73.8	127	277	62
1038	Osnabrock, ND	ND34175	6	36.7	98.5	29	78.5	2.1	1	14.3	5.27	37.4	177	72.4	138	230	48
1039	Osnabrock, ND	ND34176	6	35.8	98.7	28	79.3	2.3	1	13.0	5.06	41.3	170	64.4	95	218	61
1040	Osnabrock, ND	ND34177	6	36.9	99.1	28	78.1	2.4	1	14.6	5.67	39.6	198	67.9	103	242	49
1041	Osnabrock, ND	ND34178	6	36.3	97.8	30	78.3	2.4	1	14.1	5.55	39.8	175	67.7	148	229	48
1042	Osnabrock, ND	ND34179	6	33.2	97	30	78.0	3.1	1	16.4	6.43	41.4	215	70.6	80	284	42
1043	Osnabrock, ND	ND34181	6	33.7	98.2	30	77.9	2.3	1	14.9	5.65	39.4	222	69.8	96	236	49
1044	Osnabrock, ND	ND34184	6	34.6	97.6	25	79.3	2.6	1	13.5	5.29	39.8	141	68.6	256	261	53
1045	Osnabrock, ND	ND34189	6	35.8	98.2	32	78.1	2.7	1	15.8	5.79	37.7	173	64.4	107	251	45
1046	Osnabrock, ND	ND34191	6	36.4	98.5	32	78.8	2.8	1	15.4	6.44	43.0	205	67.5	120	268	50
1047	Osnabrock, ND	ND34193	6	37.8	98.1	32	77.1	2.1	1	16.1	5.54	35.1	193	62.2	185	222	38
1048	Osnabrock, ND	ND34194	6	35.6	97.6	27	77.8	2.3	1	15.6	5.62	36.5	172	75.0	162	229	45
1049	Osnabrock, ND	ND34195	6	35.8	98.1	28	78.0	2.2	1	15.0	5.20	36.1	179	74.6	149	218	41
1050	Osnabrock, ND	ND34196	6	35.2	99.1	28	78.8	3.0	1	13.9	5.63	40.8	176	70.2	102	235	57
1051	Osnabrock, ND	ND34197	6	34.3	98.7	21	79.3	3.0	1	13.6	5.35	40.1	148	69.6	132	226	56
1052		LACEY MALT CHECK	6	33.3	89.1	40	79.8	2.9	1	13.5	5.90	45.7	162	78.5	62	257	66
1053	Osnabrock, ND	ROBUST	6	38.6	99.1	37	79.0	2.0	1	14.3	5.63	41.4	189	55.4	354	242	45
1054	Osnabrock, ND	LACEY	6	39.7	99.2	37	80.1	2.3	1	14.1	5.85	43.7	185	63.4	212	236	49
1055	Osnabrock, ND	TRADITION	6	37.9	98.6	40	80.6	2.1	1	13.1	5.24	40.8	196	66.0	292	223	58
1056	Osnabrock, ND	STELLAR-ND	6	38.8	99.3	51	80.4	2.2	1	12.2	5.38	45.2	204	66.8	142	240	66
1057	Osnabrock, ND	QUEST	6	37.4	97.5	41	80.3	2.1	1	12.6	5.24	43.4	160	63.8	421	224	63
1058	Osnabrock, ND	ND34213	6	37.5	98.9	44	80.0	3.2	1	12.6	5.44	44.8	136	63.9	162	252	63
1059	Osnabrock, ND	ND34214	6	36.5	98.2	39	79.1	3.3	1	14.2	6.12	46.0	187	67.2	290	271	46
1060	Osnabrock, ND	ND34216	6	39.4	99	39	79.5	3.7	2	12.7	5.27	42.4	135	63.4	316	247	59
1061	Osnabrock, ND	ND34217	6	38.6	99.4	40	79.3	2.7	2	12.5	5.10	41.0	156	71.6	232	223	53
1062	Osnabrock, ND	ND34218	6	36.8	98.8	40	80.1	2.9	1	12.6	5.62	47.8	156	77.0	140	253	61
1063	Osnabrock, ND	ND34219	6	37.9	98.5	43	79.8	2.9	1	12.6	5.56	45.0	157	73.9	158	250	66
1064	Osnabrock, ND	ND34224	6	34.9	98.6	45	79.9	2.1	1	11.8	4.95	42.5	161	72.1	121	203	62
1065	Osnabrock, ND	ND34230	6	38.3	98.7	31	80.1	2.6	1	12.5	4.81	40.4	137	68.6	270	211	51
1066	Osnabrock, ND	ND34231	6	35.6	98.7	32	80.1	2.4	1	11.7	4.99	43.6	125	65.0	238	209	56
1067	Osnabrock, ND	ND34233	6	36.1	98.6	41	80.4	2.1	1	12.1	4.93	41.7	135	67.7	197	215	51
1068	Osnabrock, ND	ND34234	6	36.9	99	35	80.4	2.5	1	12.1	5.24	44.6	138	64.9	235	241	60
1069	Osnabrock, ND	ND34235	6	35.2	98.3	40	80.8	2.6	1	11.8	5.11	45.0	132	68.6	161	232	59
1070	Osnabrock, ND	ND34236	6	35.1	99.1	32	80.5	2.3	1	12.3	5.01	42.4	136	67.5	159	209	59
1071	Osnabrock, ND	ND34237	6	37.0	99	32	80.5	2.3	1	12.7	5.22	44.4	131	64.7	195	222	60
1072	Osnabrock, ND	ND34239	6	34.7	97.6	31	79.4	2.3	1	14.1	5.61	40.1	169	63.4	156	249	51
1073	Osnabrock, ND	ND34240	6	35.4	98.2	32	80.6	2.6	1	11.8	4.65	41.0	142	77.6	74	234	58
1074	Osnabrock, ND	ND34241	6	35.5	98.6	35	80.8	2.5	1	12.1	4.88	43.2	134	78.2	66	248	63

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1075	Osnabrock, ND	ND34242	6	35.9	98.6	36	79.4	2.7	1	12.8	4.79	39.3	147	64.8	133	220	54
1076	Osnabrock, ND	ND34243	6	35.9	98.5	30	79.6	2.7	1	13.3	5.12	41.2	151	70.1	130	231	57
1077	Osnabrock, ND	ND34244	6	37.9	99.2	35	79.9	2.9	1	13.2	5.50	42.9	201	74.9	162	270	66
1078	Osnabrock, ND	ND34246	6	36.0	99.1	46	78.1	2.8	1	13.4	5.14	39.4	186	65.7	87	226	55
1079	Osnabrock, ND	ND34247	6	35.8	98.5	40	79.7	2.6	1	12.1	4.75	40.9	154	67.5	119	219	58
1080	Osnabrock, ND	ND34248	6	35.4	98.2	33	80.1	2.7	1	12.6	4.99	41.6	179	67.0	66	225	61
1081	Osnabrock, ND	ND34250	6	37.6	98.9	37	80.0	2.7	1	12.0	4.87	41.4	166	73.5	70	226	61
1082	Pullman, WA	AC Metcalfe	2	34.7	90.4	80	80.2	2.2	1	13.3	4.95	39.8	138	98.6	60	236	52
1083		HARRINGTON MALT CHECK	2	41.2	97	72	82.3	2.4	1	11.8	4.81	44.6	104	88.9	112	225	62
1084	Pullman, WA	11WA-111.11	2	35.3	78.3	78	75.2	2.8	2	12.2	3.27	27.6	80	44.0	453	110	15
1085	Pullman, WA	10WA-131.15	2	32.8	73.4	89	75.2	2.5	2	12.5	3.30	27.1	88	46.1	234	128	15
1086	Pullman, WA	11WA-111.2	2	37.1	90.1	84	78.1	3.7	2	10.9	2.98	28.0	59	42.1	305	107	19
1087	Pullman, WA	11WA-111.4	2	38.6	95	80	78.4	n.d.	3	11.2	3.19	29.0	40	36.6	465	124	21
1088	Pullman, WA	11WA-111.8	2	40.2	94.5	73	77.7	2.9	2	11.3	3.24	29.9	61	42.3	313	128	24
1089	Pullman, WA	11WA-111.12	2	38.1	92	84	78.2	n.d.	3	11.3	3.11	27.8	33	37.8	367	119	21
1090	Pullman, WA	CDC Copeland	2	37.8	92.7	84	80.9	2.1	1	12.8	4.66	38.4	111	77.8	69	227	54
1091	Pullman, WA	11WA-107.4	2	39.8	90.4	79	78.2	1.8	1	12.1	3.40	28.3	75	51.5	385	145	30
1092	Pullman, WA	11WA-107.46	2	39.8	93.4	77	78.9	1.6	1	13.1	3.60	28.6	83	48.2	304	148	22
1093	Pullman, WA	10WA-117.24	2	37.0	93.3	80	77.6	2.4	2	11.8	3.09	26.4	77	34.4	912	113	16
1094	Pullman, WA	11WA-111.9	2	36.1	88.1	76	78.1	n.d.	3	10.8	3.17	30.0	78	42.8	222	123	16
1095	Pullman, WA	10WA-131.18	2	37.6	94	85	77.3	2.3	1	12.5	3.41	29.2	100	49.9	360	136	21
1096	Pullman, WA	11WA-107.20	2	37.6	90.1	78	78.4	2.2	1	11.9	3.40	30.0	75	48.0	443	146	25
1097	Pullman, WA	10WA-111.23	2	40.8	97	84	79.0	n.d.	3	11.8	3.51	30.7	98	54.3	376	158	30
1098	Pullman, WA	10WA-131.16	2	37.0	84.6	63	78.1	1.8	1	12.1	3.81	32.9	101	71.9	363	194	32
1099	Pullman, WA	Champion	2	38.9	89.4	71	78.7	1.4	1	12.7	3.69	30.4	97	60.6	366	175	28
1100	Pullman, WA	11WA-107.58	2	40.5	96.1	71	78.7	1.4	1	12.9	3.58	29.0	94	52.8	313	148	32
1101	Pullman, WA	11WA-107.36	2	34.3	89.5	69	76.9	1.6	1	11.6	3.17	28.2	83	49.2	315	122	19
1102	Pullman, WA	10WA-113.11	2	39.1	94.3	61	77.4	n.d.	3	11.8	3.05	26.7	59	37.4	539	120	17
1103	Pullman, WA	11WA-107.35	2	35.8	88.3	68	75.7	n.d.	3	12.7	3.22	27.0	74	45.0	344	124	17
1104	Pullman, WA	10WA-113.10	2	39.3	93.5	55	78.0	n.d.	3	11.2	3.14	28.3	50	34.7	501	121	17
1105	Pullman, WA	10WA-116.14	2	37.7	94.3	63	76.0	n.d.	3	13.1	3.48	26.6	78	36.4	357	128	10
1106	Pullman, WA	11WA-107.24	2	39.2	85.4	81	79.2	1.6	1	12.3	3.30	27.5	81	44.4	400	135	25
1107	Pullman, WA	11WA-107.56	2	38.9	86.8	79	78.0	1.7	1	12.1	3.32	29.0	81	43.6	432	129	21
1108	Pullman, WA	11WA-107.16	2	40.6	93.2	80	78.8	1.6	1	12.3	3.46	29.3	83	48.0	440	148	29
1109	Pullman, WA	10WA-111.24	2	41.4	97.1	83	78.5	n.d.	3	12.1	3.47	29.6	92	49.1	410	144	27
1110	Pullman, WA	11WA-107.19	2	40.3	96.3	78	77.9	1.8	1	11.7	3.25	28.7	69	40.0	368	128	25
1111	Pullman, WA	11WA-107.43	2	40.4	96.7	76	79.2	1.7	1	12.9	3.63	28.4	82	46.2	317	152	29
1112	Pullman, WA	10WA-116.8	2	38.4	94.5	75	78.0	n.d.	3	12.3	3.30	26.8	77	36.6	243	120	17
1113	Pullman, WA	10WA-131.10	2	32.6	77.6	83	75.0	n.d.	3	13.9	3.34	24.7	92	42.8	384	140	4
1114	Pullman, WA	10WA-131.9	2	33.0	80.3	85	77.1	n.d.	3	13.3	3.84	29.3	85	54.2	324	170	12
1115	Pullman, WA	11WA-107.14	2	36.4	82.2	74	78.3	1.8	1	13.2	3.40	27.0	71	40.9	517	134	15
1116		HARRINGTON MALT CHECK	2	40.5	96.9	71	82.4	1.9	1	11.7	4.66	41.2	118	83.8	66	231	66
1117	Pullman, WA	CDC Copeland	2	34.1	83.2	82	78.9	2.0	1	13.3	4.44	34.0	110	75.7	84	197	41

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1118	Pullman, WA	11WA-107.22	2	37.1	82.1	81	76.3	2.2	2	13.0	3.30	26.6	72	43.3	513	131	15
1119	Pullman, WA	12WA-105.12	2	38.2	88.1	76	74.4	2.9	2	12.9	3.34	26.7	86	35.2	536	128	16
1120	Pullman, WA	AC Metcalfe	2	32.5	78.8	81	79.0	1.9	1	13.9	4.85	36.0	151	98.4	55	238	39
1121	Pullman, WA	12WA-120.6	2	35.0	74.5	81	75.9	2.0	1	14.0	4.54	33.0	132	66.1	162	207	28
1122	Pullman, WA	12WA-120.8	2	34.2	59.9	83	75.0	2.1	1	14.9	4.92	34.6	142	65.3	132	232	31
1123	Pullman, WA	11WA-107.50	2	29.6	46.6	81	71.7	2.6	2	14.2	3.30	24.2	93	38.7	407	110	1
1124	Pullman, WA	10WA-111.29	2	36.6	83.5	89	73.5	3.1	2	14.5	3.55	25.0	113	39.4	554	136	5
1125	Pullman, WA	11WA-107.41	2	35.4	77.8	84	75.5	1.8	1	13.8	3.52	25.9	85	41.4	418	138	6
1126	Pullman, WA	11WA-111.10	2	34.6	71.3	77	75.1	n.d.	3	12.8	3.44	27.2	43	34.1	411	124	10
1127	Pullman, WA	12WA-105.2	2	35.3	76.4	80	73.3	2.8	2	14.3	3.64	27.0	93	40.4	454	135	5
1128	Pullman, WA	11WA-111.2	2	34.5	78.1	79	77.3	n.d.	3	12.5	3.19	26.5	55	35.2	467	110	10
1129	Pullman, WA	11WA-111.5	2	33.5	80.4	83	74.9	n.d.	3	12.5	3.19	25.9	50	32.3	534	108	10
1130	Pullman, WA	10WA-116.17	2	36.6	78	79	75.8	n.d.	3	14.5	3.64	25.5	80	44.5	166	129	4
1131	Pullman, WA	Champion	2	30.9	79.7	83	75.7	2.0	2	13.3	3.34	25.3	69	36.2	567	131	6
1132	Pullman, WA	10WA-131.2	2	37.4	71.26	86	74.8	1.7	1	14.4	3.97	28.5	104	59.6	193	173	13
1133	Pullman, WA	12WA-118.4	2	37.2	87.8	68	76.3	2.5	2	14.8	4.32	30.2	131	57.7	125	162	24
1134	Pullman, WA	11WA-107.28	2	34.9	67.9	86	76.0	2.1	2	14.2	3.52	25.2	75	44.0	540	131	5
1135	Pullman, WA	11WA-107.44	2	37.2	83.4	76	77.2	2.1	2	13.9	3.44	24.9	80	39.5	537	127	1
1136	Pullman, WA	11WA-111.6	2	35.8	80.4	80	74.9	2.6	2	13.4	3.18	24.1	62	41.4	401	100	10
1137	Pullman, WA	11WA-107.31	2	31.3	71	79	72.9	2.3	2	13.7	3.38	25.6	84	38.5	370	117	1
1138	Pullman, WA	10WA-116.5	2	31.1	61.8	75	70.6	2.2	2	15.6	3.55	23.5	95	37.2	369	126	1
1139	Pullman, WA	12WA-100.6	2	30.1	52.8	97	74.3	1.6	1	15.7	4.47	28.4	135	59.5	166	183	26
1140	Pullman, WA	12WA-100.4	2	33.9	76.4	85	75.4	1.6	1	15.1	4.43	29.4	146	65.2	135	162	26
1141	Pullman, WA	12WA-122.12	2	34.3	86	66	77.8	n.d.	3	13.6	3.92	29.2	109	58.1	230	141	14
1142	Pullman, WA	11WA-107.39	2	35.9	84.8	76	75.7	1.6	1	13.6	3.34	24.8	76	43.4	440	119	6
1143	Pullman, WA	11WA-111.3	2	35.6	84.6	82	74.0	n.d.	3	13.5	3.19	24.1	54	34.5	613	109	5
1144	Pullman, WA	12WA-122.3	2	38.2	93.5	77	79.8	1.8	1	10.9	3.91	37.0	96	78.6	57	172	35
1145	Pullman, WA	AC Metcalfe	2	37.6	93.4	80	79.3	1.7	1	12.8	4.52	35.4	147	98.0	38	225	54
1146	Pullman, WA	12WA-126.6	2	38.5	95.1	65	77.8	1.8	1	11.3	3.33	30.0	84	44.8	87	138	30
1147		HARRINGTON MALT CHECK	2	40.2	97.12	73	82.2	1.9	1	11.6	4.48	39.4	115	87.5	50	241	61
1148	Pullman, WA	CDC Copeland	2	37.7	94.1	81	79.8	1.6	1	12.6	4.24	35.0	121	78.0	43	194	53
1149	Pullman, WA	12WA-120.14	2	44.5	97.4	72	79.3	1.8	1	12.6	4.19	33.8	110	64.7	81	211	52
1150	Pullman, WA	12WA-120.19	2	38.5	94.1	70	77.9	1.6	1	11.8	3.71	32.9	102	51.2	144	160	33
1151	Pullman, WA	12WA-101.12	2	39.7	94.9	71	77.6	2.5	1	11.7	3.41	29.1	80	46.3	282	144	23
1152	Pullman, WA	12WA-101.20	2	41.7	95.3	75	78.5	1.6	1	11.9	3.37	30.5	79	48.0	225	154	29
1153	Pullman, WA	12WA-118.6	2	39.9	95.9	76	78.3	2.4	1	12.0	3.51	29.7	78	44.7	325	148	27
1154	Pullman, WA	12WA-126.10	2	39.3	94.2	68	77.1	1.8	1	12.3	3.45	29.3	86	41.1	111	133	26
1155	Pullman, WA	12WA-101.13	2	40.1	91.6	70	77.5	1.9	1	13.3	3.40	25.8	116	40.8	167	122	24
1156	Pullman, WA	12WA-109.14	2	39.2	87	64	73.9	1.9	1	13.6	3.33	24.7	70	40.5	161	135	11
1157	Pullman, WA	12WA-120.11	2	39.3	85.2	63	75.7	1.7	1	14.0	3.83	27.7	117	51.2	415	190	23
1158	Pullman, WA	12WA-100.10	2	35.2	82.8	90	78.6	4.5	1	14.0	4.25	31.2	128	63.0	335	227	28
1159	Pullman, WA	12WA-120.17	2	42.5	92	65	78.2	2.0	1	13.2	4.20	33.1	104	56.1	272	234	40
1160	Pullman, WA	12WA-118.8	2	38.8	93.1	64	79.6	2.7	2	12.1	4.16	35.2	86	54.0	169	220	40

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1161	Pullman, WA	12WA-109.7	2	39.3	88.2	56	76.6	2.4	1	11.9	3.37	29.6	64	45.2	171	156	21
1162	Pullman, WA	12WA-126.8	2	38.5	92.7	60	77.7	2.0	1	12.0	3.67	31.4	79	45.4	241	180	26
1163	Pullman, WA	12WA-120.23	2	42.6	94.2	64	79.3	2.0	1	12.0	4.13	35.7	92	52.2	293	246	41
1164	Pullman, WA	12WA-101.15	2	39.4	94	67	79.4	2.3	2	11.5	3.77	31.7	97	47.8	316	210	31
1165	Pullman, WA	12WA-101.8	2	41.3	94.3	70	78.6	2.3	1	12.1	3.70	31.4	84	46.3	477	195	34
1166	Pullman, WA	12WA-101.9	2	39.6	93.9	69	78.8	2.0	1	12.0	3.86	32.4	89	52.6	327	215	35
1167	Pullman, WA	12WA-105.10	2	36.7	90.7	62	77.2	2.7	1	11.8	3.80	32.7	86	50.1	341	181	27
1168	Pullman, WA	12WA-126.4	2	39.5	95	54	78.6	2.3	1	11.2	3.62	34.0	75	46.1	186	181	30
1169	Pullman, WA	12WA-105.4	2	40.0	91.9	62	77.2	n.d.	3	12.1	3.48	28.9	88	44.4	489	160	21
1170	Pullman, WA	12WA-105.6	2	38.4	92.6	68	77.5	n.d.	3	11.0	3.31	31.2	74	39.5	435	128	12
1171	Pullman, WA	12WA-108.7	2	38.5	93.8	66	78.8	n.d.	3	11.4	3.66	33.2	84	56.8	254	167	28
1172	Pullman, WA	Champion	2	40.0	93.6	72	78.4	2.2	2	11.8	3.33	30.4	70	45.8	590	128	28
1173	Pullman, WA	12WA-109.12	2	40.6	92.4	66	76.0	2.8	2	12.5	3.46	30.2	71	42.7	372	144	24
1174	Pullman, WA	12WA-126.19	2	39.6	94.6	54	78.5	2.0	1	11.8	3.83	34.7	78	48.7	222	138	27
1175	Osnabrock, ND	ROBUST	6	37.6	98.6	37	78.8	2.2	1	14.2	5.47	41.3	169	51.6	348	269	45
1176	Osnabrock, ND	LACEY	6	40.1	98.9	40	79.9	2.6	1	13.5	5.59	42.8	175	63.4	180	287	58
1177	Osnabrock, ND	TRADITION	6	37.7	98.5	40	80.4	2.4	1	13.2	5.26	40.3	183	69.8	264	285	58
1178		LACEY MALT CHECK	6	33.4	90.98	42	79.6	3.2	1	13.6	5.80	44.7	150	81.2	45	322	61
1179	Osnabrock, ND	STELLAR-ND	6	38.5	98.8	52	80.1	2.6	1	12.7	5.34	44.3	188	70.2	118	293	70
1180	Osnabrock, ND	QUEST	6	36.7	97.3	43	80.1	2.3	1	12.2	5.37	44.9	154	69.2	380	280	63
1181	Osnabrock, ND	ND34251	6	40.1	99.5	36	79.7	2.3	1	13.3	6.13	46.6	163	68.4	253	288	56
1182	Osnabrock, ND	ND34252	6	39.9	99.2	36	80.5	2.3	1	12.7	5.78	45.6	154	67.4	197	274	59
1183	Osnabrock, ND	ND34257	6	41.6	99.3	46	80.1	2.4	1	12.7	5.91	46.9	136	66.9	220	284	56
1184	Osnabrock, ND	ND34260	6	37.8	98.7	43	80.1	2.0	1	12.7	5.12	40.8	152	68.4	272	236	54
1185	Osnabrock, ND	ND34261	6	36.0	97.9	44	79.2	2.1	1	12.9	5.10	41.7	148	65.4	279	234	54
1186	Osnabrock, ND	ND34262	6	36.9	98	41	79.8	2.2	1	12.3	4.97	41.7	134	65.2	242	232	51
1187	Osnabrock, ND	ND34263	6	36.6	97.7	37	80.1	2.1	1	11.8	4.90	42.4	128	62.4	172	227	56
1188	Osnabrock, ND	ND34266	6	37.2	98.6	40	80.3	2.1	1	12.5	5.13	42.3	140	66.3	225	232	56
1189	Osnabrock, ND	ND34269	6	36.4	98.3	37	79.2	2.4	1	12.6	5.67	46.1	123	64.9	289	272	60
1190	Osnabrock, ND	ND34270	6	36.5	98.5	38	78.9	2.7	1	13.4	5.60	42.2	162	66.7	382	263	60
1191	Osnabrock, ND	ND34272	6	39.4	98.9	45	79.9	3.1	1	12.7	5.58	44.7	143	74.1	309	282	63
1192	Osnabrock, ND	ND34274	6	33.9	97.8	51	79.9	2.1	1	13.4	5.62	44.8	172	64.9	81	269	70
1193	Osnabrock, ND	ND34279	6	34.6	97.3	48	80.2	2.2	1	11.8	5.07	44.7	158	76.0	60	240	66
1194	Osnabrock, ND	ND34282	6	39.7	99.2	40	79.7	2.6	2	12.6	4.79	38.9	176	60.3	222	220	50
1195	Osnabrock, ND	ND34283	6	39.1	99.4	41	80.1	2.4	1	11.9	5.15	45.0	144	67.6	162	254	62
1196	Osnabrock, ND	ND34284	6	38.8	99.1	37	79.3	2.8	2	11.6	4.71	40.8	142	61.5	192	221	50
1197	Osnabrock, ND	ND34285	6	37.4	98.7	39	79.7	2.8	1	11.9	5.00	44.8	149	72.6	94	243	66
1198	Osnabrock, ND	ND34286	6	37.1	98.8	41	79.0	3.1	2	12.4	4.81	40.5	162	64.0	131	215	56
1199	Osnabrock, ND	ND34288	6	38.2	99.2	39	79.1	2.8	2	12.4	4.93	41.7	156	54.5	192	226	53
1200	Osnabrock, ND	ND34289	6	36.8	98.8	41	78.8	2.8	1	12.7	4.88	39.6	153	59.7	135	213	54
1201	Osnabrock, ND	ND34290	6	37.1	99	44	78.4	2.7	1	12.8	5.04	40.6	147	59.0	122	235	54
1202	Osnabrock, ND	ND34291	6	38.1	99.2	45	79.1	2.8	1	12.0	5.08	43.3	128	66.7	201	247	56
1203	Osnabrock, ND	ND34292	6	39.0	99.1	44	80.2	2.4	1	12.5	5.24	44.5	136	74.3	168	252	63

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1204	Osnabrock, ND	ND34293	6	38.1	98	44	81.1	2.0	1	11.7	5.04	45.2	156	74.3	76	235	66
1205	Osnabrock, ND	ROBUST	6	38.3	98.3	37	78.1	1.9	1	15.5	5.70	37.8	197	58.7	325	266	42
1206	Osnabrock, ND	LACEY	6	39.5	98.8	34	78.8	2.1	1	15.1	5.54	37.6	220	67.3	154	250	48
1207	Osnabrock, ND	TRADITION	6	36.4	98.3	45	78.8	2.3	1	14.4	5.48	39.3	225	70.6	216	262	45
1208		LACEY MALT CHECK	6	32.7	89	41	78.9	2.8	1	13.8	5.48	41.0	174	84.4	41	275	57
1209	Osnabrock, ND	STELLAR-ND	6	39.8	98.9	48	79.0	2.3	1	13.9	5.43	40.0	227	70.3	191	261	53
1210	Osnabrock, ND	QUEST	6	37.4	96.5	36	79.2	2.2	1	14.2	5.68	41.1	196	75.1	284	271	48
1211	Osnabrock, ND	ND34294	6	39.6	98.3	38	79.7	2.6	1	13.1	5.69	44.3	157	68.4	273	277	63
1212	Osnabrock, ND	ND34295	6	39.1	98.8	39	80.0	2.4	1	13.6	5.56	43.0	164	67.0	185	269	58
1213	Osnabrock, ND	ND34300	6	39.8	98.7	39	78.8	3.1	2	13.3	5.15	39.4	134	56.3	250	245	47
1214	Osnabrock, ND	ND34301	6	38.7	98.2	38	79.3	3.4	1	14.8	6.12	41.5	151	65.9	257	298	41
1215	Osnabrock, ND	ND34302	6	39.7	98.3	37	79.6	3.2	1	13.9	5.79	43.3	144	63.9	259	284	54
1216	Osnabrock, ND	ND34304	6	37.5	98	34	79.2	3.0	1	13.1	5.44	43.4	129	65.1	180	276	60
1217	Osnabrock, ND	ND34305	6	37.8	98.1	38	79.9	2.5	1	12.9	5.37	44.4	137	66.9	143	269	63
1218	Osnabrock, ND	ND34306	6	38.8	98.6	40	79.6	3.1	2	12.6	5.11	42.1	160	63.6	104	223	65
1219	Osnabrock, ND	ND34307	6	37.7	98	37	78.7	2.5	1	14.2	5.79	42.2	181	66.2	147	265	49
1220	Osnabrock, ND	ND34308	6	37.7	98.1	37	78.5	2.8	2	14.2	5.49	39.3	179	64.8	179	259	44
1221	Osnabrock, ND	ND34309	6	38.0	98.1	40	78.7	2.6	1	13.9	5.30	39.7	174	61.0	129	237	53
1222	Osnabrock, ND	ND34310	6	36.8	98.7	46	79.3	2.6	1	12.6	5.03	42.3	147	61.1	104	234	66
1223	Osnabrock, ND	ND34311	6	36.7	97.2	40	79.0	2.9	1	12.5	5.43	45.3	156	73.0	191	253	63
1224	Osnabrock, ND	ND34312	6	35.5	97	31	79.2	2.8	2	12.8	5.08	40.5	121	66.1	176	244	50
1225	Osnabrock, ND	ND34313	6	37.3	97.5	36	79.5	3.0	1	12.8	5.01	41.6	119	63.4	129	240	50
1226	Osnabrock, ND	ND34314	6	38.9	98	32	79.5	3.2	1	14.0	5.73	42.8	160	64.4	128	270	57
1227	Osnabrock, ND	ND34315	6	39.3	97.8	43	79.5	2.6	1	13.7	5.34	40.4	142	68.7	202	240	53
1228	Osnabrock, ND	ND34316	6	37.4	98.2	48	80.2	2.7	1	12.4	5.12	44.8	132	71.2	104	240	63
1229	Osnabrock, ND	ND34317	6	37.3	98.1	42	79.0	3.8	1	13.6	5.24	41.0	159	65.8	48	252	60
1230	Osnabrock, ND	ND34318	6	40.5	98.8	36	79.7	3.2	1	13.9	5.38	40.9	149	69.4	60	325	60
1231	Osnabrock, ND	ND34319	6	37.0	97.3	33	78.2	4.2	1	14.1	5.54	41.4	121	67.9	55	249	49
1232	Osnabrock, ND	ND34320	6	37.5	97.8	36	78.2	4.1	1	14.1	5.63	40.3	147	67.3	55	336	52
1233	Osnabrock, ND	ND34322	6	36.9	98.5	41	78.5	2.7	1	13.7	5.16	38.4	193	64.8	56	242	53
1234	Osnabrock, ND	ND34324	6	37.1	98	34	77.9	3.4	2	14.0	4.65	34.8	175	60.2	75	182	41
1235	Osnabrock, ND	ND34325	6	36.2	98.9	41	78.7	3.1	2	13.1	4.59	36.3	170	60.8	70	256	54
1236	Osnabrock, ND	ND34326	6	38.8	98.9	32	78.7	2.7	1	14.2	5.09	36.3	214	71.7	99	310	48
1237	Osnabrock, ND	ND34327	6	34.2	97.1	36	77.9	3.0	1	13.2	4.95	39.8	163	65.3	90	279	55
1238	Osnabrock, ND	ND34329	6	37.4	98.8	39	79.2	3.5	1	12.9	5.19	41.8	109	64.9	105	306	54
1239		LACEY MALT CHECK	6	33.2	91	40	79.2	3.0	1	13.8	5.24	40.7	145	78.6	38	283	60
1240	Osnabrock, ND	ND34330	6	37.3	98.3	37	77.0	3.1	1	15.0	5.33	36.5	148	72.6	192	295	38
1241	Osnabrock, ND	ROBUST	6	39.0	98.4	33	77.7	2.5	1	15.4	5.54	37.4	223	60.2	185	319	38
1242	Osnabrock, ND	LACEY	6	39.7	98.6	32	78.3	2.9	1	14.5	5.43	38.9	217	65.3	68	232	52
1243	Osnabrock, ND	TRADITION	6	36.5	97.3	45	78.4	3.0	1	14.6	5.17	37.1	218	68.3	145	299	44
1244	Osnabrock, ND	STELLAR-ND	6	39.5	98.6	46	79.2	3.1	1	14.2	5.50	41.4	217	75.6	75	316	55
1245	Osnabrock, ND	QUEST	6	36.2	95.7	34	78.5	2.3	1	14.2	5.08	36.8	191	71.3	272	292	41
1246	Osnabrock, ND	ND34333	6	34.7	98.2	34	78.6	3.2	1	13.6	5.28	40.2	167	63.3	128	290	53

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1247	Osnabrock, ND	ND34334	6	35.0	98.5	36	78.5	3.3	1	12.9	5.05	41.8	138	66.7	97	243	55
1248	Osnabrock, ND	ND34335	6	35.1	98.4	38	78.3	2.9	1	13.5	5.18	40.1	161	52.8	67	270	53
1249	Osnabrock, ND	ND34337	6	34.6	98.1	39	77.7	2.8	1	13.3	4.84	38.5	162	55.4	46	231	51
1250	Osnabrock, ND	ND34338	6	35.1	98.1	40	77.6	3.0	1	13.8	5.08	38.3	176	59.9	50	236	46
1251	Osnabrock, ND	ND34340	6	37.0	98.9	35	77.7	3.2	1	13.1	5.24	40.7	153	61.5	78	265	59
1252	Osnabrock, ND	ND34342	6	36.6	98.9	36	78.6	3.0	1	12.5	4.94	40.5	160	64.7	62	235	58
1253	Osnabrock, ND	ND34347	6	34.8	98.7	33	78.0	2.3	1	13.2	5.23	40.5	153	67.3	64	251	59
1254	Osnabrock, ND	ND34348	6	35.0	97.2	27	77.9	2.7	1	14.1	5.62	41.2	184	72.0	88	277	49
1255	Osnabrock, ND	ND34349	6	35.1	98.4	40	78.6	2.7	1	12.7	5.34	43.7	155	64.7	106	259	67
1256	Osnabrock, ND	ND34350	6	34.1	97.7	39	79.7	2.7	1	12.7	5.48	43.6	153	63.8	68	266	70
1257	Osnabrock, ND	ND34351	6	35.9	97.8	39	78.9	2.7	1	12.7	5.09	42.8	158	68.1	55	245	63
1258	Osnabrock, ND	ND34352	6	35.7	98.3	35	78.5	2.5	1	13.2	5.09	39.4	152	69.1	123	231	54
1259	Osnabrock, ND	ND34353	6	34.6	98	33	78.4	2.4	1	14.1	5.48	41.2	158	70.8	138	260	48
1260	Osnabrock, ND	ND34354	6	34.7	98.3	41	78.3	2.5	1	13.1	5.34	42.2	169	69.0	123	264	63
1261	Osnabrock, ND	ND34359	6	34.7	97	34	78.4	3.3	1	14.0	5.78	43.5	158	69.7	128	268	49
1262	Osnabrock, ND	ND34362	6	37.1	98.1	42	79.2	3.5	1	14.1	5.42	41.0	157	66.7	36	256	55
1263	Osnabrock, ND	ND34367	6	38.9	98.4	41	79.1	4.2	1	14.2	5.94	44.0	192	66.2	39	274	56
1264	Osnabrock, ND	ND34368	6	37.5	98.8	43	79.0	2.7	1	13.1	4.83	39.0	155	71.8	51	221	58
1265	Osnabrock, ND	ND34369	6	36.3	98.6	42	79.7	2.6	1	13.1	4.87	39.9	162	72.2	130	223	57
1266	Osnabrock, ND	ND34375	6	38.6	98.6	39	79.6	n.d.	3	12.2	4.60	39.9	161	70.4	93	200	54
1267	Osnabrock, ND	ND34376	6	35.9	98	35	78.4	2.6	1	13.9	4.80	36.2	148	68.3	75	210	50
1268	Osnabrock, ND	ND34377	6	38.2	98.2	36	78.8	2.6	1	13.5	5.50	42.3	171	66.7	79	260	62
1269	Osnabrock, ND	ND34378	6	38.1	98.6	33	78.4	3.0	2	13.9	5.01	37.4	162	58.0	147	217	48
1270		LACEY MALT CHECK	6	33.1	88.68	41	78.8	2.5	1	13.4	5.25	40.6	166	79.2	31	253	62
1271	Osnabrock, ND	ND34380	6	36.3	98	32	79.1	2.5	1	13.3	5.53	41.6	165	76.8	71	253	65
1272	Osnabrock, ND	ND34381	6	38.5	98.7	54	79.3	2.5	1	12.7	5.09	41.9	163	74.0	84	240	61
1273	Osnabrock, ND	ND34382	6	37.8	97.8	47	78.8	3.2	1	13.2	5.19	40.7	157	69.2	50	241	58
1274	Osnabrock, ND	ND34383	6	37.5	98.6	50	78.6	2.7	1	13.5	5.23	40.6	171	71.0	56	243	57
1275	Osnabrock, ND	ND34384	6	37.0	98.9	46	78.2	3.2	1	13.8	5.51	40.6	176	72.5	65	262	57
1276	Osnabrock, ND	ROBUST	6	37.6	96.3	35	77.4	2.2	1	15.2	5.53	36.9	206	56.9	225	246	38
1277	Osnabrock, ND	LACEY	6	38.4	97.4	28	78.7	2.2	1	14.5	5.74	41.8	216	66.1	189	241	41
1278	Osnabrock, ND	TRADITION	6	37.7	96.6	36	78.8	2.2	1	14.2	5.25	38.4	219	72.3	382	248	45
1279	Osnabrock, ND	STELLAR-ND	6	39.2	98	36	79.5	2.3	1	14.5	5.75	40.7	244	77.6	206	245	44
1280	Osnabrock, ND	QUEST	6	36.5	95	30	79.1	2.0	1	13.7	5.45	42.0	183	74.9	443	228	53
1281	Osnabrock, ND	ND34391	6	36.0	96.4	27	79.8	2.6	1	13.3	5.26	42.0	171	68.0	142	217	66
1282	Osnabrock, ND	ND34393	6	36.3	94.7	32	78.8	2.5	1	13.9	5.77	42.5	180	66.6	213	259	51
1283	Osnabrock, ND	ND34398	6	36.2	96.9	37	78.5	2.9	1	14.2	5.97	43.7	198	68.9	175	260	46
1284	Osnabrock, ND	ND34401	6	37.5	98.1	26	79.8	2.6	1	13.2	5.32	41.7	169	67.1	177	221	58
1285	Osnabrock, ND	ND34402	6	38.3	97.3	28	79.8	2.8	2	12.9	5.11	41.3	152	65.7	204	206	53
1286	Osnabrock, ND	ND34406	6	36.8	96.5	27	80.0	3.0	2	13.1	5.35	43.3	183	67.8	236	225	62
1287	Osnabrock, ND	ND34407	6	37.9	95.4	29	80.1	2.9	1	13.5	5.66	43.5	189	66.3	266	260	58
1288	Osnabrock, ND	ND34411	6	37.5	98.3	32	79.1	2.5	1	14.4	5.88	42.2	186	68.0	303	258	49
1289	Osnabrock, ND	ND34412	6	36.5	95.6	31	78.8	2.3	1	14.4	5.83	41.6	182	65.2	358	245	41

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1290	Osnabrock, ND	ND34418	6	37.1	97.2	27	80.1	2.6	1	13.9	5.76	43.2	191	75.2	252	260	54
1291	Osnabrock, ND	ND34420	6	36.2	98.1	34	79.2	2.5	1	13.4	5.55	42.5	174	63.1	189	253	63
1292	Osnabrock, ND	ND34421	6	36.0	97.8	33	79.5	2.4	1	12.9	5.37	43.4	158	67.3	186	223	63
1293	Osnabrock, ND	ND34423	6	38.9	97.8	20	78.2	2.5	1	13.9	5.31	40.9	165	65.2	254	218	47
1294	Osnabrock, ND	ND34424	6	37.9	97.3	26	79.1	n.d.	3	12.9	5.10	41.0	143	62.1	297	232	52
1295	Osnabrock, ND	ND34425	6	38.9	97.3	28	78.8	n.d.	3	13.5	5.08	39.6	140	62.8	323	224	49
1296	Osnabrock, ND	ND34426	6	35.9	97.7	27	79.3	2.4	1	13.5	5.55	42.4	157	67.6	307	239	58
1297	Osnabrock, ND	ND34430	6	37.5	96	32	78.9	2.4	1	13.7	5.41	40.4	166	63.8	372	229	50
1298	Osnabrock, ND	ND34431	6	39.9	98.6	26	79.5	2.6	1	13.3	5.47	44.2	137	65.9	259	225	60
1299	Osnabrock, ND	ND34433	6	38.3	96.1	32	78.7	2.4	1	14.5	5.72	40.2	221	71.0	186	261	41
1300	Osnabrock, ND	ND34435	6	39.1	97.2	30	78.8	2.5	1	14.4	5.70	41.9	223	72.8	240	265	41
1301		LACEY MALT CHECK	6	33.1	90	40	79.7	2.7	1	13.7	5.83	45.1	180	82.9	65	324	61
1302	Osnabrock, ND	ND34437	6	39.9	97.1	32	79.3	2.2	1	14.4	5.83	41.5	252	77.2	210	319	44
1303	Osnabrock, ND	ND34443	6	38.8	98.1	33	79.5	2.0	1	14.3	5.68	41.9	253	75.7	200	304	48
1304	Osnabrock, ND	ND34444	6	38.1	97	39	79.8	2.2	1	14.8	5.85	42.1	246	76.4	231	319	49
1305	Osnabrock, ND	ND34446	6	38.9	96.4	31	79.5	2.1	1	14.4	5.91	41.1	251	78.1	220	313	44
1306	Osnabrock, ND	ND34447	6	40.1	97.8	33	79.9	2.2	1	14.7	5.93	42.5	240	80.7	214	319	49
1307	Osnabrock, ND	ND34451	6	35.6	96.8	32	79.5	2.1	1	14.2	5.61	42.3	232	67.2	217	289	53
1308	Pima county AZ	4	6	38.4	92.6	73	79.5	n.d.	3	11.6	3.83	34.8	62	50.6	488	179	37
1309	Pima county AZ	13	6	39.2	94.1	63	78.0	2.9	2	12.4	4.60	37.6	74	51.8	596	219	37
1310	Pima county AZ	14	6	38.4	92.2	68	78.5	2.9	2	11.6	4.44	38.3	74	61.6	557	228	40
1311	Pima county AZ	17	6	41.3	96	75	81.8	3.3	1	12.5	5.41	46.6	111	73.7	306	291	56
1312	Pima county AZ	25	6	43.4	94.7	63	80.5	2.2	2	12.0	4.12	36.6	62	45.3	548	200	38
1313	Pima county AZ	26	6	43.2	96.8	63	76.2	n.d.	3	12.0	3.63	31.9	48	45.6	633	174	24
1314	Pima county AZ	36	6	44.3	96.3	73	76.7	2.7	2	12.6	4.25	36.1	49	56.9	513	199	31
1315	Pima county AZ	42	6	40.9	96.2	75	79.5	2.4	1	12.0	4.85	41.9	104	57.6	368	238	47
1316	Pima county AZ	46	6	43.1	94.1	64	77.5	3.2	2	10.9	4.02	37.7	110	61.0	420	192	26
1317	Pima county AZ	78	2	45.8	95.2	71	79.0	2.2	1	11.5	4.31	37.6	64	67.9	411	204	41
1318	Pima county AZ	93	6	41.0	94.3	69	77.4	2.7	2	11.2	4.40	41.7	47	65.9	268	221	28
1319	Pima county AZ	97	6	40.8	96.9	77	74.3	n.d.	3	12.2	3.71	31.2	93	58.9	467	166	27
1320	Pima county AZ	103	6	33.9	85.3	82	73.9	3.0	2	12.1	4.10	36.5	83	64.6	508	199	31
1321	Pima county AZ	104	2	47.4	97.7	63	76.6	n.d.	3	12.8	4.06	32.4	79	54.7	237	180	30
1322	Pima county AZ	G	2	41.2	97.8	70	82.5	2.3	1	9.6	3.54	37.5	83	51.0	47	156	40
1323	Pima county AZ	M	2	35.5	94.4	79	80.5	2.6	1	12.8	5.08	40.7	123	89.8	195	263	55
1324	Pima county AZ	Q	6	35.4	91.5	81	79.7	2.1	1	12.0	4.56	40.3	149	76.2	373	225	51
1325	Osnabrock, ND	ROBUST	6	37.8	96.4	37	78.4	1.8	1	15.1	5.86	38.8	215	55.6	260	295	41
1326	Osnabrock, ND	LACEY	6	37.6	97	33	79.1	2.2	1	14.3	5.97	42.4	206	70.7	131	295	52
1327	Osnabrock, ND	TRADITION	6	36.9	96.9	36	79.1	2.0	1	14.3	5.34	38.4	209	74.2	271	270	48
1328	Osnabrock, ND	STELLAR-ND	6	39.1	97.9	37	79.6	2.2	1	14.5	5.90	43.0	216	74.7	169	302	52
1329	Osnabrock, ND	QUEST	6	35.3	95	31	79.6	2.0	1	13.6	5.48	41.3	176	73.6	401	277	53
1330	Osnabrock, ND	ND34453	6	39.0	98.1	33	78.8	2.5	1	13.8	5.85	43.4	161	72.0	204	303	51
1331	Osnabrock, ND	ND34456	6	37.3	97.2	33	79.2	2.9	1	13.5	5.88	43.9	163	72.1	210	300	59
1332		LACEY MALT CHECK	6	32.9	88.8	44	79.5	2.9	1	13.8	5.86	44.3	158	85.1	66	313	61

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1333	Osnabrock, ND	ND34457	6	36.6	97	30	77.6	2.8	1	14.2	5.97	43.9	177	75.1	314	283	39
1334	Osnabrock, ND	ND34458	6	37.0	96.6	27	79.3	2.8	1	13.9	5.96	43.0	168	75.6	258	277	54
1335	Osnabrock, ND	ND34459	6	39.5	98	29	78.8	2.8	1	13.8	5.82	42.5	145	74.0	287	319	51
1336	Osnabrock, ND	ND34460	6	38.9	97	30	79.6	2.7	1	12.9	5.58	45.4	145	74.3	248	310	63
1337	Osnabrock, ND	ND34461	6	37.8	97	30	79.4	3.0	1	14.4	5.79	42.4	188	75.6	189	316	49
1338	Osnabrock, ND	ND34462	6	37.3	97.9	32	79.8	3.0	1	13.2	5.60	44.9	178	77.0	142	314	66
1339	Osnabrock, ND	ND34463	6	36.2	96.2	30	78.8	2.7	1	13.4	5.25	40.4	167	72.5	264	298	55
1340	Osnabrock, ND	ND34464	6	36.6	97.6	29	79.0	2.8	1	13.6	5.83	44.3	181	79.5	211	308	54
1341	Osnabrock, ND	ND34465	6	36.1	97	30	78.9	2.8	1	14.7	5.94	42.1	192	82.6	214	319	46
1342	Osnabrock, ND	ND34466	6	36.4	96.8	29	79.2	3.0	1	13.3	5.65	44.7	170	83.3	265	311	63
1343	Osnabrock, ND	ND34467	6	39.1	95.8	35	79.5	3.0	1	13.6	5.57	42.7	175	80.6	271	321	58
1344	Osnabrock, ND	ND34468	6	38.3	97.3	30	80.2	3.2	1	13.3	5.71	44.7	172	84.1	209	331	59
1345	Osnabrock, ND	ND34469	6	36.1	97.1	30	78.8	2.8	1	14.2	5.66	41.7	179	77.7	317	312	45
1346	Osnabrock, ND	ND34470	6	36.5	97.3	29	79.0	3.2	1	13.8	5.91	45.0	155	78.4	293	337	54
1347	Osnabrock, ND	ND34472	6	36.4	97	25	79.2	3.4	1	13.3	5.89	45.9	159	77.8	218	319	59
1348	Osnabrock, ND	ND34473	6	36.0	95.2	30	78.2	3.0	1	14.5	6.07	43.5	175	75.3	223	318	40
1349	Osnabrock, ND	ND34474	6	36.6	95.4	33	79.0	5.6	1	13.4	6.00	46.6	179	79.8	162	320	56
1350	Osnabrock, ND	ND34476	6	36.5	96	31	78.0	2.7	1	14.4	5.65	41.0	191	72.9	135	278	45
1351	Osnabrock, ND	ND34478	6	35.8	96	24	79.1	3.3	1	13.3	5.51	42.9	162	76.7	150	304	66
1352	Osnabrock, ND	ND34479	6	35.9	97.5	33	78.7	2.9	1	13.5	5.35	41.9	161	71.4	218	266	55
1353	Osnabrock, ND	ND34480	6	37.8	97.4	29	78.0	2.8	1	14.7	5.70	40.6	193	72.5	261	292	42
1354	Osnabrock, ND	ND34481	6	35.8	96.2	31	78.8	3.1	1	13.8	5.53	40.1	172	70.8	180	283	50
1355	Osnabrock, ND	ND34482	6	36.1	96.5	30	78.5	3.0	1	13.4	5.44	43.5	154	74.6	184	274	60
1356	Michigan	MSU-U-1-14	2	41.2	98.8	20	82.4	10.5	1	12.0	6.54	55.5	64	75.7	475	443	43
1357	Michigan	MSU-U-2-14	2	39.9	97.7	17	81.7	9.5	1	12.6	6.72	55.4	80	82.1	190	483	41
1358	Michigan	MSU-U-3-14	2	41.7	98.9	10	81.5	4.9	1	11.8	5.10	45.5	71	67.0	281	264	55
1359		HARRINGTON MALT CHECK	2	40.2	96.2	74	82.3	2.5	1	11.8	4.61	42.5	101	61.9	157	239	59
1360	Michigan	MSU-U-4-14	2	42.2	99.4	15	82.0	14.1	1	12.6	7.65	61.5	66	63.4	146	439	47
1361	Michigan	MSU-U-5-14	2	41.0	98.6	19	81.7	6.9	1	13.4	6.76	53.4	90	80.4	177	364	38
1362	Michigan	MSU-U-6-14	6	35.8	99	25	80.8	2.7	1	13.9	5.48	40.1	127	73.9	208	261	50
1363	Michigan	MSU-U-7-14	2	46.0	99.2	18	80.3	4.0	2	13.9	5.08	37.6	81	56.1	644	234	37
1364	Michigan	MSU-U-8-14	2	39.3	98.9	15	80.6	7.0	1	13.7	6.64	50.1	87	70.5	240	354	28
1365	Michigan	MSU-U-9-14	6	38.8	98.7	19	79.9	3.3	1	14.3	5.29	38.5	104	58.4	311	247	41
1366	Michigan	MSU-U-10-14	6	40.1	99.5	15	80.1	3.1	1	12.9	4.57	37.0	112	57.2	216	187	39
1367	Michigan	MSU-U-11-14	2	42.8	98.6	5	81.7	4.3	2	12.0	4.11	36.4	64	43.7	468	173	38
1368	Michigan	MSU-U-12-14	6	35.7	99.3	20	80.9	7.3	1	13.1	6.55	51.5	87	64.7	186	344	44
1369	Michigan	MSU-U-13-14	2	37.9	97.3	13	81.5	5.7	1	12.1	5.78	49.0	77	72.2	433	315	42
1370	Michigan	MSU-U-14-14	2	38.3	97.5	15	82.3	5.2	1	12.2	5.90	50.3	75	71.6	300	319	44
1371	Michigan	MSU-U-15-14	2	42.8	98.9	10	80.2	3.5	1	12.6	4.29	35.2	70	38.3	598	207	37
1372	Michigan	MSU-U-16-14	2	44.1	99.2	11	79.6	4.3	2	12.2	3.79	33.7	50	28.7	765	181	31
1373	Michigan	MSU-U-17-14	2	43.3	99	9	81.8	3.0	1	12.1	4.39	38.8	65	40.2	562	224	44
1374	Michigan	MSU-U-18-14	2	44.2	98.4	14	80.5	6.1	2	11.3	4.52	43.4	63	31.2	547	214	45
1375	Michigan	MSU-U-19-14	6	35.0	98.5	18	80.3	2.7	1	12.5	4.67	40.5	113	42.7	510	221	41

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1376	Michigan	MSU-U-20-14	6	39.0	99.5	11	80.2	3.0	1	13.0	4.72	37.8	114	67.8	382	229	44
1377	Michigan	MSU-U-21-14	6	36.4	98.9	15	78.6	2.2	1	13.5	4.55	35.2	95	52.2	577	207	36
1378	Michigan	MSU-U-22-14	6	38.1	98.6	23	80.7	4.3	1	12.2	4.94	41.8	106	71.3	240	244	47
1379	Michigan	MSU-U-23-14	6	37.9	99.3	27	79.2	3.6	2	13.4	4.48	35.0	126	64.4	547	197	45
1380	Michigan	MSU-E-1-14	2	34.7	88.2	23	77.8	3.5	1	16.5	5.76	36.9	124	98.0	178	258	27
1381	Michigan	MSU-E-2-14	2	36.0	90.6	23	76.3	2.9	1	16.3	5.45	35.5	143	106.3	142	252	36
1382	Michigan	MSU-E-3-14	2	36.4	92.1	20	77.6	2.7	1	13.9	4.13	30.7	100	78.2	226	174	21
1383	Michigan	MSU-E-4-14	2	35.2	89	26	75.2	4.4	1	16.9	6.43	39.6	128	96.5	95	312	31
1384	Michigan	MSU-E-5-14	2	32.6	86.2	27	76.0	2.8	1	16.4	5.04	31.4	146	90.8	172	225	31
1385	Michigan	MSU-E-6-14	6	30.5	90.5	28	76.2	2.4	1	16.7	5.10	32.3	170	84.4	264	230	33
1386	Michigan	MSU-E-7-14	2	36.6	90.8	23	74.1	1.9	1	16.7	4.31	26.8	111	70.1	494	184	24
1387	Michigan	MSU-E-8-14	2	32.5	90.8	22	75.0	2.8	1	17.7	5.40	32.0	139	95.0	227	264	33
1388	Michigan	MSU-E-9-14	6	34.6	94.4	23	75.7	2.9	1	16.9	5.07	31.2	167	64.5	345	221	34
1389	Michigan	MSU-E-10-14	6	32.3	91.9	22	75.9	2.3	1	15.7	4.51	29.3	144	64.3	244	219	31
1390		HARRINGTON MALT CHECK	2	39.7	96.1	74	82.1	2.3	1	11.7	4.68	41.2	96	77.4	325	247	53
1391	Michigan	MSU-E-11-14	2	36.9	91.1	19	76.8	2.4	1	15.5	4.28	28.6	114	65.4	213	200	26
1392	Michigan	MSU-E-12-14	6	31.0	90.9	31	77.1	2.8	1	14.4	5.45	37.9	170	90.4	158	291	40
1393	Michigan	MSU-E-13-14	2	33.4	78.4	28	75.1	2.5	1	17.7	5.41	32.0	146	103.3	403	273	28
1394	Michigan	MSU-E-14-14	2	33.7	88.8	22	76.6	2.5	1	16.4	5.35	33.8	124	101.8	393	273	31
1395	Michigan	MSU-E-15-14	2	35.5	90.3	20	76.4	2.5	1	16.6	4.47	27.0	126	74.6	235	214	33
1396	Michigan	MSU-E-16-14	2	34.1	88	26	76.3	2.2	1	14.9	3.89	27.7	88	55.3	317	175	12
1397	Michigan	MSU-E-17-14	2	35.5	91.2	16	77.3	2.3	1	16.2	4.77	29.6	123	86.8	226	244	33
1398	Michigan	MSU-E-18-14	2	38.2	93.6	24	76.8	1.7	1	15.0	3.90	27.5	120	48.4	473	170	17
1399	Michigan	MSU-E-19-14	6	29.4	87.8	25	75.5	1.9	1	15.7	4.56	29.4	155	71.1	380	220	28
1400	Michigan	MSU-E-20-14	6	33.4	92.1	28	76.9	2.3	1	14.8	4.45	31.8	172	60.1	363	218	31
1401	Michigan	MSU-E-21-14	6	32.0	88.6	24	76.3	2.0	1	15.9	4.63	30.2	159	52.2	391	220	30
1402	Michigan	MSU-E-22-14	6	33.4	91.4	32	76.2	1.9	1	15.4	4.51	30.4	204	61.6	371	206	31
1403	Michigan	MSU-E-23-14	6	31.7	91.7	26	75.7	1.9	1	15.6	4.24	28.4	207	66.3	509	169	25
1404	Michigan	MSU-P-1-14	2	44.7	99	41	83.9	3.2	1	11.4	5.26	48.3	107	82.2	387	287	55
1405	Michigan	MSU-P-2-14	2	42.6	98.8	41	82.9	3.3	1	11.5	5.29	47.0	124	84.6	136	302	66
1406	Michigan	MSU-P-3-14	2	42.2	96.8	31	82.3	2.3	1	11.0	4.39	42.3	115	76.2	246	223	51
1407	Michigan	MSU-P-4-14	2	45.8	99.5	38	83.4	3.6	1	11.7	5.75	51.0	129	80.8	142	315	57
1408	Michigan	MSU-P-5-14	2	41.2	98.6	41	83.0	3.1	1	12.1	5.23	43.7	128	90.4	118	287	65
1409	Michigan	MSU-P-6-14	6	37.1	98.8	48	81.1	2.3	1	13.1	5.58	44.0	165	73.3	257	271	63
1410	Michigan	MSU-P-7-14	2	47.9	99.4	43	81.9	2.1	1	11.4	4.55	40.1	113	67.8	639	209	60
1411	Michigan	MSU-P-8-14	2	41.7	99.2	39	81.9	3.4	2	12.1	5.82	49.4	135	85.9	155	323	52
1412	Michigan	MSU-P-9-14	6	37.2	98.8	50	79.9	2.0	1	12.8	5.24	43.0	167	60.9	418	253	63
1413	Michigan	MSU-P-10-14	6	37.8	99.1	41	79.7	2.3	2	12.8	4.91	40.7	158	60.6	368	233	53
1414	Michigan	MSU-P-11-14	2	45.4	99.4	35	83.8	2.2	1	11.0	4.05	39.6	109	51.0	101	194	54
1415	Michigan	MSU-P-12-14	6	36.0	98.2	48	80.2	2.9	1	12.5	5.82	47.7	147	73.8	376	289	54
1416	Michigan	MSU-P-13-14	2	40.6	98.1	43	83.4	3.0	1	10.5	4.95	48.5	103	97.0	163	249	49
1417	Michigan	MSU-P-14-14	2	39.0	98	42	83.7	3.8	1	11.3	5.38	49.9	88	103.8	161	273	48
1418	Michigan	MSU-P-15-14	2	44.4	99.4	33	82.6	2.0	1	11.2	4.10	36.9	88	62.0	83	173	49

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1419	Michigan	MSU-P-16-14	2	45.7	99.4	35	83.2	2.0	1	10.6	3.83	38.6	71	54.9	109	167	37
1420	Michigan	MSU-P-17-14	2	45.4	99.6	33	84.3	2.0	1	10.8	4.15	40.6	74	66.2	163	194	47
1421		LACEY MALT CHECK	6	32.9	89.9	43	79.9	2.8	1	13.7	5.87	43.4	158	81.3	45	281	61
1422	Michigan	MSU-P-18-14	2	44.8	99.3	32	82.2	2.8	1	10.8	4.42	41.7	70	58.1	515	191	51
1423	Michigan	MSU-P-19-14	6	34.5	97.9	42	80.1	1.9	1	12.4	5.18	43.9	139	67.3	540	234	56
1424	Michigan	MSU-P-20-14	6	39.9	99	44	80.6	2.2	1	13.0	5.32	43.4	142	66.0	341	244	63
1425	Michigan	MSU-P-21-14	6	36.9	98.6	43	79.5	1.9	1	13.1	5.19	40.8	143	55.2	343	232	54
1426	Michigan	MSU-P-22-14	6	39.1	99.1	54	80.4	3.0	1	13.1	5.20	42.6	154	64.5	209	229	59
1427	Michigan	MSU-P-23-14	6	37.6	99.1	51	79.8	2.0	1	13.1	5.06	41.0	174	66.2	316	223	54
1428	Michigan	MSU-C-1-14	2	43.5	98.3	31	81.5	5.5	1	13.7	6.65	50.8	103	82.0	325	323	38
1429	Michigan	MSU-C-2-14	2	43.4	96.9	25	80.0	6.3	1	15.0	7.35	50.2	130	92.4	131	346	41
1430	Michigan	MSU-C-3-14	2	44.9	98.6	19	80.3	4.4	1	13.3	5.96	45.0	116	77.8	290	255	48
1431	Michigan	MSU-C-4-14	2	45.5	98	22	80.6	13.5	1	14.9	8.89	60.8	109	77.3	135	369	38
1432	Michigan	MSU-C-5-14	2	43.6	96.6	22	81.3	5.5	1	12.6	6.50	51.8	119	95.3	243	302	48
1433	Michigan	MSU-C-6-14	6	38.4	98.8	31	80.5	2.4	1	13.9	6.26	46.2	161	80.5	337	267	51
1434	Michigan	MSU-C-7-14	2	46.8	98.6	22	79.6	2.2	1	13.9	5.04	37.1	122	59.1	588	203	45
1435	Michigan	MSU-C-8-14	2	43.8	98.9	20	79.7	5.5	1	14.9	7.06	49.8	148	90.3	164	317	38
1436	Michigan	MSU-C-9-14	6	39.7	98.9	29	79.3	2.9	1	14.3	6.13	43.1	134	71.5	363	265	43
1437	Michigan	MSU-C-10-14	6	40.7	99.2	24	79.2	2.4	1	13.9	5.45	40.2	127	61.2	375	228	50
1438	Michigan	MSU-C-11-14	2	43.0	97.6	14	81.7	3.6	1	12.1	4.79	40.4	104	58.2	275	203	60
1439	Michigan	MSU-C-12-14	6	37.0	99.2	34	80.6	n.d.	3	13.7	6.99	53.4	122	86.6	236	358	41
1440	Michigan	MSU-C-13-14	2	43.0	97.1	24	80.2	5.1	1	15.8	6.99	45.5	149	97.3	199	351	43
1441	Michigan	MSU-C-14-14	2	41.9	97.1	25	81.4	4.6	1	13.5	6.48	48.4	136	104.5	201	329	40
1442	Michigan	MSU-C-15-14	2	44.7	97.3	13	79.6	2.6	1	13.9	4.95	38.1	127	71.8	219	205	45
1443	Michigan	MSU-C-16-14	2	44.4	98.4	22	80.6	2.0	1	12.2	4.33	35.6	100	59.3	334	189	42
1444	Michigan	MSU-C-17-14	2	42.7	97.8	18	81.5	3.2	1	13.2	4.98	39.3	103	72.1	389	219	50
1445	Michigan	MSU-C-18-14	2	45.1	97.5	18	79.6	3.6	2	12.7	4.88	38.8	98	53.5	524	229	47
1446	Michigan	MSU-C-19-14	6	36.1	98.3	22	79.3	2.2	1	14.6	5.72	40.2	160	68.1	555	271	44
1447	Michigan	MSU-C-20-14	6	40.6	99.4	21	80.2	2.7	2	14.6	5.68	41.2	132	69.2	584	285	44
1448	Michigan	MSU-C-21-14	6	38.3	98.6	24	78.8	2.0	1	15.0	5.74	40.2	128	50.7	526	274	38
1449	Michigan	MSU-C-22-14	6	40.3	98.5	35	79.6	3.4	2	13.9	5.56	41.4	136	65.0	458	273	49
1450	Michigan	MSU-C-23-14	6	39.8	98.9	34	80.4	2.4	2	13.7	5.18	39.8	141	65.9	483	241	48
1451	Michigan	PG-ACM-14	2	38.2	94.4	37	80.9	3.1	1	11.9	5.20	45.9	113	96.1	190	303	54
1452		LACEY MALT CHECK	6	32.7	88.7	44	79.7	2.4	1	13.9	5.79	43.7	168	89.0	59	328	61
1453	Michigan	GG-LAC-14	6	34.7	94.8	34	79.3	3.1	1	11.5	4.93	45.2	140	71.8	209	268	59
1454	Michigan	PG-RAS-14	6	34.0	92.3	37	79.3	2.8	1	12.5	5.10	44.2	133	75.6	359	288	56
1455	Michigan	PG-CON-14	2	44.3	98	31	80.3	2.4	1	12.2	4.78	41.3	117	74.1	377	241	57
1456	Osnabrock, ND	ROBUST	6	37.2	96.6	37	78.4	2.0	1	14.5	5.88	40.9	209	58.4	245	309	41
1457	Osnabrock, ND	LACEY	6	38.3	96.1	33	79.6	2.4	1	14.8	6.07	41.2	207	71.3	143	312	44
1458	Osnabrock, ND	TRADITION	6	36.2	94.7	39	78.4	1.8	1	14.4	5.26	36.6	215	71.1	292	249	45
1459	Osnabrock, ND	STELLAR-ND	6	38.8	97.7	37	80.0	2.3	1	14.7	6.04	42.6	237	78.2	184	291	46
1460	Osnabrock, ND	QUEST	6	35.0	93.5	33	79.2	2.2	1	14.1	5.67	42.1	195	76.4	509	270	53
1461	Osnabrock, ND	ND34484	6	35.3	97.3	43	79.2	2.7	1	12.8	5.42	44.2	157	71.6	177	268	63

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1462	Osnabrock, ND	ND34486	6	37.8	97.4	37	79.0	2.5	1	14.6	5.87	42.7	190	71.5	265	298	46
1463	Osnabrock, ND	ND34489	6	36.6	95	31	79.0	3.2	1	13.9	6.09	45.7	172	76.9	237	273	51
1464	Osnabrock, ND	ND34490	6	38.0	96.2	36	79.8	2.8	1	13.8	5.43	41.2	172	68.5	172	262	53
1465	Osnabrock, ND	ND34491	6	38.5	97.8	35	80.0	3.2	1	12.6	5.72	46.0	165	79.0	135	277	62
1466	Osnabrock, ND	ND34492	6	37.7	95.7	31	79.7	3.1	1	13.1	6.10	47.0	161	79.4	168	273	54
1467	Osnabrock, ND	ND34496	6	36.9	96.6	35	79.3	2.8	1	14.5	5.42	39.1	172	74.7	191	265	48
1468	Osnabrock, ND	ND34497	6	39.5	97.6	39	80.6	3.1	1	12.8	5.49	46.0	177	78.4	143	262	66
1469	Osnabrock, ND	ND34498	6	37.2	95.5	31	79.1	3.1	1	14.0	6.01	44.5	192	71.9	208	281	51
1470	Osnabrock, ND	ND34502	6	37.2	96.1	34	79.2	3.2	1	13.9	5.84	44.1	187	71.1	259	275	54
1471	Osnabrock, ND	ND34504	6	34.9	96.5	34	79.5	2.7	1	13.6	5.75	45.0	189	75.7	195	271	54
1472	Osnabrock, ND	ND34509	6	39.4	97.8	37	79.8	3.0	1	13.7	5.66	42.5	183	73.6	155	268	61
1473	Osnabrock, ND	ND34510	6	35.3	95.3	29	79.0	2.3	1	14.1	5.54	40.6	177	72.6	332	258	45
1474	Osnabrock, ND	ND34511	6	36.2	96.8	24	79.7	2.9	1	13.0	5.76	44.9	160	78.3	132	264	62
1475	Osnabrock, ND	ND34512	6	37.1	98.2	26	79.4	2.8	1	13.1	5.46	43.6	164	78.3	99	260	70
1476	Osnabrock, ND	ND34517	6	35.6	95.4	31	80.3	2.7	1	13.3	5.33	42.3	165	76.2	207	249	63
1477	Osnabrock, ND	ND34518	6	35.3	97.2	28	78.4	2.5	1	13.0	5.40	44.9	161	76.2	178	252	60
1478	Osnabrock, ND	ND34519	6	35.2	97.6	31	79.7	2.4	1	13.0	5.37	44.5	150	69.5	259	284	63
1479	Osnabrock, ND	ND34520	6	35.9	97.4	25	78.8	2.3	1	13.3	5.33	42.2	164	75.1	274	280	60
1480	Osnabrock, ND	ND34523	6	36.8	98.2	29	79.0	2.7	1	13.4	6.13	49.1	176	77.4	244	313	48
1481	Osnabrock, ND	ND34537	6	38.3	97.7	40	79.3	2.9	1	14.2	5.95	43.6	176	68.9	291	303	49
1482	Osnabrock, ND	ND34538	6	39.4	97.4	35	79.9	4.0	1	13.7	5.84	45.6	176	70.1	327	298	54
1483	Osnabrock, ND	ND34539	6	39.5	98.2	40	79.5	2.9	1	13.3	6.08	46.2	169	72.0	332	291	56
1484		LACEY MALT CHECK	6	32.9	90	43	79.4	3.1	1	13.7	5.89	45.9	168	80.4	82	297	61
1485	Osnabrock, ND	ND34541	6	37.7	97.8	41	80.2	2.8	1	13.6	6.14	48.3	199	76.8	192	306	46
1486	Osnabrock, ND	ND34542	6	37.6	97.9	37	79.5	3.3	1	14.4	6.51	48.1	186	72.8	232	324	41
1487	Osnabrock, ND	ND34543	6	37.5	96.3	37	79.4	2.9	1	13.8	6.46	49.3	180	73.8	180	278	46
1488	Osnabrock, ND	ND34544	6	38.4	97	36	78.9	2.9	1	13.9	6.01	43.4	179	71.4	248	307	48
1489	Osnabrock, ND	ND34547	6	38.8	96.8	31	79.5	2.7	1	13.8	5.89	45.3	177	67.0	353	286	54
1490	Osnabrock, ND	ND34549	6	37.1	95.6	43	78.5	2.2	1	14.3	5.76	43.1	206	68.7	326	243	46
1491	Osnabrock, ND	ND34562	6	36.4	98.1	37	79.9	2.1	1	13.7	5.65	43.4	191	65.9	286	242	58
1492	Osnabrock, ND	ND34563	6	37.1	98.2	35	79.5	2.0	1	13.3	5.57	43.2	147	60.2	379	269	63
1493	Osnabrock, ND	ND34564	6	36.9	97.7	35	78.8	2.0	1	13.9	5.42	41.0	147	57.7	400	257	50
1494	Osnabrock, ND	ND34567	6	34.2	97.5	33	80.1	3.1	1	13.4	6.08	47.9	185	70.7	163	298	54
1495	Osnabrock, ND	ND34569	6	38.5	99	28	81.2	3.0	1	13.0	6.29	51.7	146	73.4	176	317	51
1496	Osnabrock, ND	ND34574	6	37.3	97.4	37	80.2	2.4	1	13.7	6.25	48.8	154	63.1	185	308	46
1497	Osnabrock, ND	ND34575	6	38.0	93.8	35	80.6	2.7	1	13.6	6.45	48.7	190	70.2	277	301	46
1498	Pullman, WA	X07G30-T131	2	34.2	75.1	68	82.9	n.d.	3	14.4	4.92	34.2	90	90.9	1031	190	27
1499	Pullman, WA	Baronesse	2	34.7	87.8	73	74.4	n.d.	3	13.9	3.56	26.4	87	46.2	360	108	7
1500	Pullman, WA	LCS-Overture	2	34.5	90.4	72	74.7	1.8	2	13.4	3.49	26.4	78	35.9	768	132	11
1501	Pullman, WA	09WA-203.24	2	35.4	82.3	80	79.6	1.7	1	13.9	4.66	36.1	119	71.9	106	196	35
1502	Pullman, WA	10WA-106.18	2	35.2	72.2	81	76.8	1.4	1	13.8	3.47	26.1	96	42.9	566	135	6
1503	Pullman, WA	X0626-T229	2	33.6	63.5	58	79.4	n.d.	3	16.4	4.15	26.0	66	42.6	1124	143	11
1504	Pullman, WA	CDC Copeland	2	33.4	78	80	78.3	1.7	1	13.8	5.01	37.7	142	75.6	148	193	35

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1505	Pullman, WA	RWA 1758	2	37.3	91.1	76	75.8	n.d.	3	13.8	3.68	26.8	109	39.2	341	135	9
1506	Pullman, WA	AC Metcalfe	2	35.1	92.9	77	80.2	2.2	1	13.5	4.99	37.2	135	87.2	116	256	43
1507	Pullman, WA	LCS-Vespa (LCS LN09-0920)	2	36.4	90.3	67	76.8	1.6	1	13.2	3.87	29.7	114	65.4	289	161	23
1508	Pullman, WA	2AB09X06F084-51	2	30.6	56.4	77	68.8	n.d.	3	15.2	3.19	21.1	48	22.7	1229	93	0
1509	Pullman, WA	(Muir) 07WA-601.6	2	33.0	77.7	75	73.6	n.d.	3	14.5	3.50	25.6	99	41.9	486	141	4
1510	Pullman, WA	2008NZ013	2	32.6	78.2	75	77.3	2.7	1	14.8	5.34	37.0	160	88.3	399	277	28
1511	Pullman, WA	2Ab07-X031098-31	2	32.2	72.6	76	79.2	2.3	1	15.0	5.48	38.3	156	83.3	70	296	39
1512	Pullman, WA	10WA-105.33	2	33.7	79.5	75	73.9	1.9	2	14.3	3.54	26.5	103	42.7	474	144	9
1513	Pullman, WA	LCS-Odyssey	2	35.0	93.2	71	77.8	1.4	1	13.9	3.54	26.3	115	54.2	138	144	21
1514	Pullman, WA	X05013-T1	2	34.7	67.7	69	79.1	n.d.	3	16.2	3.67	22.9	82	43.3	1075	137	8
1515		HARRINGTON MALT CHECK	2	41.2	97	71	82.4	1.8	1	12.0	4.87	43.7	116	87.4	135	250	62
1516	Pullman, WA	CDC Meredith	2	32.9	82.3	79	79.5	2.0	1	14.2	5.22	39.2	146	96.6	162	295	35
1517	Pullman, WA	09WA-203.36	2	32.8	69.3	79	76.7	2.0	2	12.3	3.28	27.8	65	43.1	611	135	15
1518	Pullman, WA	(Lyon) 05WA-316.K	2	33.7	79.5	72	75.9	1.4	1	13.2	3.74	29.8	90	49.4	403	166	11
1519	Pullman, WA	10WA-113.16	2	34.9	86.53	73	76.2	n.d.	3	12.6	3.26	26.7	57	39.4	572	138	13
1520	Pullman, WA	Salute	2	35.9	95.1	72	72.7	1.9	2	15.7	3.28	21.7	60	39.8	1116	126	6
1521	Pullman, WA	2Ab07-X04M219-46	2	22.6	23.8	95	71.9	2.4	1	18.7	5.70	31.9	187	92.9	136	307	27
1522	Pullman, WA	09WA-203.21	2	33.4	82.7	80	75.6	1.9	2	13.6	3.23	25.5	70	40.3	808	116	5
1523	Pullman, WA	Champion	2	39.2	88.4	79	77.0	1.7	1	13.0	3.52	27.3	87	49.4	455	167	16
1524	Pullman, WA	2008NZ006	2	30.6	58.9	83	75.6	2.7	1	15.0	5.46	37.3	214	103.1	253	301	28
1525	Pullman, WA	09WA-265.5	2	34.1	59.2	68	81.8	2.2	2	14.8	3.73	26.0	77	47.6	1060	153	15
1526	Pullman, WA	Bob	2	36.3	93.3	69	76.0	2.3	2	14.4	4.18	29.9	117	65.8	410	157	20
1527	Pullman, WA	Harrington	2	32.4	80.5	76	77.6	1.7	1	15.2	5.04	34.8	144	90.0	218	238	28
1528	Pullman, WA	Meresse	2	32.6	64.9	63	79.3	n.d.	3	16.5	4.45	28.1	81	52.0	994	167	18
1529	Pullman, WA	2Ab09-X06F058HL-31	2	29.4	36.6	90	71.2	1.7	2	17.2	4.01	24.3	59	40.8	1118	137	8
1530	Pullman, WA	Lenetah	2	33.6	75.9	76	76.5	1.7	1	13.8	3.88	30.1	94	45.4	520	146	6
1531	Pullman, WA	X06G07-T43	2	30.4	49.6	71	81.4	n.d.	3	15.3	4.29	29.0	120	58.0	393	161	24
1532	Pullman, WA	X06G03-T148	2	35.4	84.4	83	75.5	n.d.	3	14.9	3.78	25.8	60	43.0	998	131	4
1533	Pullman, WA	09WA-265.12	2	34.2	53.1	71	81.3	2.6	2	14.7	3.72	26.4	67	51.1	1051	131	18
1534	Pullman, WA	10WA-113.12	2	36.3	89.1	57	75.2	n.d.	3	13.6	3.44	25.9	53	38.7	596	128	3
1535	Pullman, WA	2008NZ004	2	33.2	72.2	83	77.7	3.1	1	14.0	5.58	39.7	139	81.6	327	225	28
1536	Pullman, WA	LCS-Genie	2	36.0	90.5	77	79.2	1.6	1	13.2	4.00	32.4	148	59.4	55	162	40
1537	Pullman, WA	09WA-228.13	2	37.8	76.8	80	75.8	1.5	1	13.8	3.48	26.3	94	44.8	518	120	6
1538	Pullman, WA	2Ab04-X01084-27	2	33.7	88.7	75	78.1	1.7	1	13.6	4.42	34.3	144	84.7	118	187	36
1539	Pullman, WA	Tradition	2	32.1	89.2	82	78.4	5.6	2	13.5	4.32	34.2	206	71.5	169	191	35
1540	Pullman, WA	LCS-Lamari	2	34.2	70.4	70	76.7	1.3	1	13.6	3.75	28.6	55	46.8	347	157	6
1541	Pullman, WA	10WA-105.C	2	39.1	94.3	63	78.0	2.5	2	12.2	3.48	29.8	49	45.4	464	154	26
1542	Pullman, WA	09WA-232.19	2	39.8	92.4	71	77.9	2.1	2	12.2	3.22	27.6	77	44.2	512	133	22
1543	Pullman, WA	11WA-103.27	2	38.4	94.8	64	78.3	1.6	1	12.4	3.38	29.1	70	43.0	347	126	27
1544	Pullman, WA	10WA-106.16	2	39.2	88.9	68	78.1	1.4	1	12.4	3.47	29.5	79	49.5	297	142	25
1545	Pullman, WA	11WA-102.23	2	39.4	90.6	59	75.6	2.4	2	12.4	3.41	29.0	77	43.3	217	131	22
1546		HARRINGTON MALT CHECK	2	40.8	96.7	73	82.3	2.0	1	11.6	4.92	42.8	122	83.9	107	248	65
1547	Pullman, WA	10WA-106.29	2	38.9	80.2	66	77.6	1.4	1	12.3	3.62	30.0	95	54.1	322	154	21

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1548	Pullman, WA	09WA-231.6	2	37.4	94.6	60	77.9	1.4	1	12.7	3.24	25.8	106	46.5	513	131	25
1549	Pullman, WA	11WA-112.15	2	37.8	90.8	76	78.0	1.4	1	12.4	3.65	29.9	113	63.6	494	151	32
1550	Pullman, WA	11WA-109.11	2	37.6	90.6	62	79.2	1.7	1	11.7	3.45	29.5	76	53.6	461	144	28
1551	Pullman, WA	09WA-232.16	2	39.8	91.9	69	77.8	2.0	2	12.8	3.52	29.7	83	49.2	522	154	22
1552	Pullman, WA	11WA-102.5	2	41.0	94.2	40	79.0	1.5	1	11.3	3.43	32.8	87	53.2	179	139	32
1553	Pullman, WA	10WA-105.11	2	40.9	96.6	62	78.1	2.7	2	12.0	3.41	30.8	71	45.0	474	143	28
1554	Pullman, WA	Bob	2	38.5	93.5	68	79.1	2.6	2	11.9	4.09	34.5	85	61.7	354	188	35
1555	Pullman, WA	11WA-106.11	2	37.3	86.1	51	76.3	2.8	2	11.5	3.37	31.3	82	49.6	421	121	18
1556	Pullman, WA	10WA-106.20	2	43.7	97	64	81.3	1.5	1	10.8	3.79	37.1	79	59.6	179	180	37
1557	Pullman, WA	10WA-125.4	2	41.5	96.2	55	79.2	3.4	2	11.0	3.29	32.4	56	45.2	469	139	28
1558	Pullman, WA	11WA-103.13	2	40.5	96.7	68	79.7	1.5	1	11.6	3.47	32.2	84	53.8	340	140	35
1559	Pullman, WA	Lenetah	2	40.7	95.1	74	82.0	1.6	1	10.7	3.74	36.9	89	56.4	280	169	33
1560	Pullman, WA	11WA-110.1	2	35.7	82.5	66	79.1	1.9	2	11.7	3.61	31.1	92	58.3	364	143	22
1561	Pullman, WA	11WA-105.13	2	35.5	85.3	69	78.3	1.6	1	11.6	3.31	29.4	72	51.8	366	129	26
1562	Pullman, WA	10WA-105.23	2	38.6	92	59	76.9	2.4	2	12.2	3.23	26.5	90	48.8	679	131	22
1563	Pullman, WA	10WA-106.8	2	39.1	89.6	58	78.9	1.5	1	12.0	3.57	31.0	104	55.4	227	149	32
1564	Pullman, WA	09WA-235.11	2	35.5	78.9	54	78.2	1.6	1	13.0	3.68	30.2	105	57.3	273	152	27
1565	Pullman, WA	11WA-104.21	2	37.6	88.9	63	78.4	2.3	2	12.9	3.67	29.3	108	54.3	513	147	29
1566	Pullman, WA	10WA-106.18	2	37.2	82	64	78.7	1.7	1	12.1	3.59	31.7	93	52.8	416	154	23
1567	Pullman, WA	11WA-102.14	2	37.7	91.3	68	77.7	2.7	2	12.5	3.35	29.0	77	48.4	336	128	20
1568	Pullman, WA	11WA-101.24	2	36.8	89.2	56	77.7	n.d.	3	12.1	3.54	30.8	66	54.9	387	135	20
1569	Pullman, WA	11WA-112.20	2	36.4	73.5	61	77.4	1.5	1	12.2	3.31	28.1	115	47.4	323	121	20
1570	Pullman, WA	11WA-103.22	2	39.9	89.3	61	76.0	1.6	1	13.6	3.40	26.0	98	42.9	453	118	11
1571	Pullman, WA	11WA-105.11	2	38.9	93.8	58	77.0	n.d.	3	12.3	3.23	28.4	71	41.1	525	117	21
1572	Pullman, WA	11WA-107.20	2	38.7	90.8	66	78.0	1.5	1	12.3	3.47	29.0	83	51.1	539	130	26
1573	Pullman, WA	11WA-103.3	2	40.9	94.9	49	77.2	2.1	2	12.9	3.37	27.8	70	46.7	537	122	24
1574	Pullman, WA	10WA-106.19	2	35.8	78.4	52	84.0	1.5	1	13.8	3.94	30.3	99	54.1	420	134	19
1575	Pullman, WA	10WA-105.22	2	39.9	87.9	60	77.4	2.2	2	12.2	3.15	26.6	53	46.2	614	112	20
1576	Pullman, WA	11WA-101.21	2	36.0	78.2	55	77.7	1.6	1	11.7	3.38	30.8	59	49.8	314	133	16
1577		HARRINGTON MALT CHECK	2	40.4	97.2	73	82.2	2.0	1	11.6	4.75	42.6	107	86.6	122	222	62
1578	Aberdeen, ID	Harrington	2	40.4	92.8	40	78.6	5.3	1	13.7	6.91	51.4	127	81.6	34	292	41
1579	Aberdeen, ID	CDC Copeland	2	40.5	95.3	37	78.5	3.1	1	14.5	5.74	39.9	129	77.1	152	267	37
1580	Aberdeen, ID	CDC Kindersley	2	38.7	95.8	47	81.2	4.8	1	11.7	5.74	50.0	107	74.2	32	264	55
1581	Aberdeen, ID	Conrad	2	38.0	93.4	38	78.6	3.5	1	15.1	6.26	42.1	140	90.9	107	291	40
1582	Aberdeen, ID	Merit57	2	38.0	92.2	43	79.6	2.7	1	14.1	5.78	42.0	151	105.2	88	270	48
1583	Aberdeen, ID	Voyager	2	39.3	96.9	42	79.4	5.0	1	14.0	6.49	46.6	158	85.1	52	314	47
1584	Aberdeen, ID	M69	2	39.1	91.9	35	78.9	2.3	1	13.4	5.44	41.9	123	84.4	48	284	56
1585	Aberdeen, ID	10ARS002-2	2	37.8	89	41	78.4	2.6	1	14.1	5.48	40.5	143	82.9	121	268	43
1586	Aberdeen, ID	10ARS003-4	2	41.5	94.1	41	78.9	1.8	1	12.5	4.29	35.1	110	64.6	54	171	46
1587	Aberdeen, ID	10ARS005-8	2	40.1	91.8	40	78.9	3.3	1	14.0	5.89	42.6	119	84.9	119	307	42
1588	Aberdeen, ID	10ARS013-3	2	37.8	92.2	31	80.1	3.1	1	12.7	5.59	46.1	129	73.3	33	305	62
1589	Aberdeen, ID	10ARS016-7	2	39.5	94.9	47	80.4	2.9	1	12.3	5.31	44.6	110	80.6	54	276	61
1590	Aberdeen, ID	10ARS020-4	2	44.7	92.7	44	79.8	2.2	1	12.0	4.89	41.0	123	72.5	46	225	67

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1591	Aberdeen, ID	10ARS022-6	2	42.4	93	42	80.3	2.3	1	12.8	5.19	42.0	133	76.6	72	258	67
1592	Aberdeen, ID	10ARS023-8	2	41.8	94.6	41	79.0	2.2	1	13.8	5.17	38.4	113	70.6	225	239	38
1593	Aberdeen, ID	10ARS024-1	2	42.8	95.1	40	80.3	2.6	1	13.0	5.49	44.7	111	76.4	79	272	64
1594	Aberdeen, ID	10ARS026-3	2	41.2	95.4	50	79.8	2.0	1	12.1	4.82	41.6	132	78.7	163	234	59
1595	Aberdeen, ID	10ARS026-9	2	44.9	96.5	44	81.0	2.2	1	12.2	4.94	41.0	117	84.3	162	237	57
1596	Aberdeen, ID	10ARS027-5	2	43.3	97	36	78.2	1.9	1	11.9	3.92	35.6	107	45.7	140	152	37
1597	Aberdeen, ID	10ARS029-8	2	40.7	90.54	48	78.0	2.0	1	15.5	5.49	36.9	167	63.2	129	248	40
1598	Aberdeen, ID	10ARS034-4	2	37.1	90.6	41	79.7	3.3	1	13.0	5.55	44.2	139	89.2	66	263	62
1599	Aberdeen, ID	10ARS034-5	2	44.5	97.4	43	79.3	2.8	1	13.4	5.59	43.3	138	80.6	58	257	59
1600	Aberdeen, ID	10ARS038-3	2	37.5	94.9	38	78.9	2.3	1	11.4	4.43	39.9	111	69.8	134	208	47
1601	Aberdeen, ID	10ARS041-8	2	41.4	94.4	42	77.5	1.8	1	13.6	4.23	31.5	128	53.3	235	156	28
1602	Aberdeen, ID	10ARS042-1	2	40.6	93.6	39	80.0	2.3	1	12.3	4.81	40.1	116	81.0	51	221	63
1603	Aberdeen, ID	10ARS050-8	2	37.8	94.5	52	80.6	2.3	1	12.4	4.77	41.4	117	62.8	91	231	59
1604	Aberdeen, ID	10ARS061-2	2	42.4	93.7	49	80.0	2.4	1	13.4	5.36	42.2	112	72.1	89	271	59
1605	Aberdeen, ID	10ARS102-7	2	43.1	95.1	36	77.8	1.8	1	14.6	4.50	32.4	117	58.7	129	192	38
1606	Aberdeen, ID	10ARS107-6	2	37.8	98.1	49	80.7	1.7	1	10.4	3.92	37.9	86	62.7	118	157	29
1607	Aberdeen, ID	10ARS110-2	2	41.3	96.4	38	79.7	2.3	1	14.1	5.47	39.8	108	69.1	96	263	48
1608	Aberdeen, ID	10ARS115-2	2	45.3	96.7	35	80.4	2.7	1	12.1	4.99	41.6	69	72.4	123	237	56
1609	Aberdeen, ID	10ARS116-4	2	41.2	96.4	42	80.2	2.4	1	11.9	4.86	43.0	78	81.5	64	228	59
1610		HARRINGTON MALT CHECK	2	40.1	97.68	73	82.5	1.8	1	11.8	4.77	43.9	109	86.6	90	223	66
1611	Aberdeen, ID	10ARS116-5	2	39.7	92.9	38	78.8	3.0	1	12.6	5.31	42.8	84	83.9	51	256	54
1612	Aberdeen, ID	10ARS117-6	2	40.3	95.1	31	77.5	2.3	1	13.9	4.96	36.1	127	65.1	55	222	44
1613	Aberdeen, ID	10ARS196-2	2	38.2	87.4	43	78.2	2.2	1	14.5	5.53	38.5	150	92.2	81	258	44
1614	Aberdeen, ID	10ARS135-4	2	40.6	88.6	38	78.0	2.4	1	13.9	5.10	38.6	112	64.6	93	252	43
1615	Aberdeen, ID	10ARS137-7	2	40.8	92.6	38	78.3	n.d.	3	12.3	3.56	29.7	87	47.5	139	139	30
1616	Aberdeen, ID	10ARS138-9	2	41.7	95.9	41	78.5	3.2	1	15.6	5.67	37.6	153	61.5	133	240	40
1617	Aberdeen, ID	10ARS139-3	2	44.2	95.4	38	79.5	2.6	1	11.3	4.02	38.4	93	50.9	82	177	46
1618	Aberdeen, ID	10ARS141-6	2	40.0	90.5	42	79.8	2.7	1	12.8	5.11	41.5	122	84.5	42	247	66
1619	Aberdeen, ID	10ARS144-1	2	40.1	95.4	38	79.2	3.8	1	14.1	5.91	44.9	139	85.1	41	306	49
1620	Aberdeen, ID	10ARS145-4	2	41.0	96.6	42	80.5	5.1	1	11.9	5.92	51.1	93	86.5	25	312	50
1621	Aberdeen, ID	10ARS149-1	2	43.8	94.3	39	76.8	3.0	2	13.1	3.52	28.6	111	38.0	400	131	20
1622	Aberdeen, ID	10ARS152-6	2	42.6	93.2	50	77.3	2.7	2	12.6	3.69	30.3	89	41.6	520	141	25
1623	Aberdeen, ID	10ARS154-1	2	45.0	96.4	37	75.8	n.d.	3	14.3	4.24	30.8	130	46.9	337	164	24
1624	Aberdeen, ID	10ARS155-2	2	43.6	89.4	39	76.7	3.1	2	14.1	3.78	27.2	81	45.6	561	148	13
1625	Aberdeen, ID	10ARS156-3	2	38.3	92.9	56	80.5	2.3	1	10.4	3.93	39.9	75	65.8	95	174	35
1626	Aberdeen, ID	10ARS158-4	2	36.2	94.1	44	82.3	6.0	2	10.8	5.29	49.9	85	66.1	33	283	47
1627	Aberdeen, ID	10ARS161-6	2	38.7	96.1	37	78.2	2.8	1	13.6	5.37	39.4	135	88.2	85	261	46
1628	Aberdeen, ID	10ARS162-7	2	36.2	88.1	37	76.7	5.3	1	15.0	6.08	43.0	125	87.0	78	308	36
1629	Aberdeen, ID	10ARS165-2	2	44.4	97.4	42	78.9	2.2	1	13.1	4.18	32.9	130	67.8	67	171	45
1630	Aberdeen, ID	10ARS165-3	2	41.5	95.4	44	80.4	3.0	1	12.1	5.18	43.1	132	70.8	41	267	66
1631	Aberdeen, ID	10ARS169-8	2	44.3	98.9	36	78.8	3.5	1	13.8	5.68	41.9	145	82.1	50	282	50
1632	Aberdeen, ID	10ARS169-9	2	41.1	96.3	34	78.7	3.7	1	13.5	5.75	42.8	159	85.6	43	293	49
1633	Aberdeen, ID	10ARS170-1	2	39.6	94.9	44	78.4	2.5	1	13.8	5.03	36.9	131	70.1	320	240	39

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1634	Aberdeen, ID	10ARS173-7	2	40.5	96.8	43	80.4	2.8	1	12.3	4.98	43.2	113	77.4	79	270	63
1635	Aberdeen, ID	10ARS173-8	2	42.1	96	44	80.1	3.0	1	12.5	5.19	43.2	111	72.7	76	258	64
1636	Aberdeen, ID	10ARS174-9	2	42.4	96.9	40	80.6	2.5	1	11.6	4.64	42.4	104	76.7	22	235	64
1637	Aberdeen, ID	10ARS174-1	2	40.3	93.9	37	79.3	2.6	1	13.0	5.16	41.6	111	78.4	26	277	55
1638	Aberdeen, ID	10ARS175-2	2	41.9	97.7	38	80.9	3.5	1	11.8	5.74	48.8	100	83.0	38	308	50
1639	Aberdeen, ID	10ARS175-3	2	41.9	95.9	42	79.8	3.5	1	13.3	6.02	45.9	129	87.0	33	304	54
1640	Aberdeen, ID	10ARS176-4	2	42.0	93.9	45	79.6	2.8	1	12.5	4.73	39.2	70	75.4	43	201	54
1641		HARRINGTON MALT CHECK	2	40.2	96.5	75	82.3	2.9	1	11.4	4.71	43.0	95	85.3	66	222	62
1642	Aberdeen, ID	10ARS189-9	2	42.4	97.8	45	78.2	4.3	1	15.7	5.86	39.3	192	80.1	36	283	45
1643	Aberdeen, ID	10ARS191-4	2	44.4	96.6	34	79.1	6.3	1	14.2	5.65	42.1	141	80.6	35	268	50
1644	Aberdeen, ID	10ARS194-8	2	35.8	84.4	44	78.6	5.7	1	13.5	5.35	40.5	132	68.9	107	263	45
1645	Aberdeen, ID	10ARS105-2	2	45.0	96.2	38	78.4	5.2	1	14.5	4.95	35.8	133	74.7	45	247	49
1646		HARRINGTON MALT CHECK	2	40.8	97	74	82.3	3.1	1	11.7	4.81	41.4	107	85.0	77	232	66
1647	Aberdeen, ID	ACMetcalfe	2	40.1	96.2	48	80.4	5.7	1	13.0	5.54	43.0	130	81.4	25	273	61
1648	McVile, ND	CONLON	2	43.1	98.7	28	82.0	4.3	1	12.4	5.22	43.3	113	75.0	262	236	60
1649	McVile, ND	PINNACLE	2	39.7	96.1	25	81.4	5.9	1	11.0	4.89	44.7	96	65.9	176	218	53
1650	McVile, ND	LACEY	6	34.9	97.2	26	80.4	5.8	1	13.1	6.05	48.6	136	75.1	70	269	55
1651	McVile, ND	2ND25276	2	36.9	94.5	25	82.0	6.1	1	10.8	5.22	49.5	82	81.5	104	250	44
1652	McVile, ND	2ND33593	2	40.5	96.7	25	81.0	5.4	1	11.5	5.33	48.2	104	82.4	100	234	61
1653	McVile, ND	2ND33594	2	42.5	98.6	22	82.8	8.3	1	11.4	6.57	59.3	80	91.3	110	319	47
1654	McVile, ND	2ND33595	2	41.6	97.6	26	82.3	7.6	1	11.5	6.44	56.4	76	88.8	79	335	50
1655	McVile, ND	2ND33599	2	41.1	96.8	22	82.4	4.3	1	11.0	4.91	46.3	103	91.5	134	197	57
1656	McVile, ND	2ND33600	2	37.8	95.2	21	82.4	7.3	1	11.5	6.30	57.9	80	96.4	86	305	46
1657	McVile, ND	2ND33601	2	40.5	95.2	24	85.0	7.5	1	10.7	6.28	61.8	76	94.6	105	317	41
1658	McVile, ND	2ND33602	2	40.2	96.8	20	83.8	7.8	1	10.9	6.36	59.7	81	98.3	120	327	41
1659	McVile, ND	2ND33604	2	42.4	96.9	21	82.9	7.9	1	10.8	6.45	62.1	65	92.0	56	311	46
1660	McVile, ND	2ND33605	2	41.9	98.5	29	84.8	8.7	1	11.4	6.27	55.8	60	75.7	100	308	50
1661	McVile, ND	2ND33606	2	41.2	97	23	83.0	9.8	1	11.3	6.84	62.2	63	84.3	57	313	50
1662	McVile, ND	2ND33607	2	41.8	97.1	23	81.4	4.6	1	10.9	5.09	49.7	101	84.5	210	223	49
1663	McVile, ND	2ND33608	2	41.6	96.8	21	81.8	5.0	1	11.8	5.27	47.7	102	85.2	251	223	54
1664	McVile, ND	2ND33609	2	40.3	95.8	21	83.1	5.9	1	11.6	6.00	53.4	106	93.2	130	283	50
1665	McVile, ND	2ND33610	2	40.1	96.2	21	82.9	3.4	1	11.4	5.40	50.5	105	90.5	118	239	57
1666	McVile, ND	2ND33612	2	39.6	96.4	23	82.9	6.8	1	10.9	6.37	62.6	91	92.1	76	310	43
1667	McVile, ND	2ND33614	2	37.3	97.3	26	84.0	8.0	1	10.5	6.62	67.1	73	90.0	71	318	41
1668	McVile, ND	2ND33619	2	38.8	96.8	20	82.0	3.8	1	11.0	5.28	51.2	85	80.2	182	231	43
1669	McVile, ND	2ND33622	2	40.7	95.7	26	82.0	3.8	1	11.4	5.17	48.4	112	84.6	174	219	54
1670	McVile, ND	2ND33623	2	39.6	96.6	25	82.0	4.6	1	11.1	5.60	52.6	97	90.1	152	245	48
1671	McVile, ND	2ND33624	2	40.3	95.7	24	82.8	4.3	1	11.4	5.70	52.1	79	81.8	187	263	46
1672	McVile, ND	2ND33625	2	39.8	94.7	27	82.2	4.8	1	11.3	5.74	51.2	69	80.0	183	257	44
1673	McVile, ND	2ND33626	2	41.0	94.2	24	83.2	4.2	1	10.8	5.25	49.6	69	79.6	170	230	45
1674	McVile, ND	2ND33627	2	40.9	93.7	25	81.5	3.4	1	10.5	4.56	44.3	66	69.9	139	189	51
1675	McVile, ND	2ND33628	2	43.5	96.1	27	84.5	3.5	1	11.2	4.74	45.4	88	74.8	215	202	56
1676	McVile, ND	2ND33629	2	44.1	97.1	23	83.2	4.4	1	10.4	5.34	51.7	79	75.5	123	213	49

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1677		HARRINGTON MALT CHECK	2	40.4	96.5	72	83.5	2.0	1	11.7	4.85	45.1	105	84.7	139	226	62
1678	McVile, ND	2ND33630	2	42.9	95.8	26	83.3	3.5	1	11.2	4.76	45.2	97	76.5	170	182	54
1679	McVile, ND	2ND33631	2	42.4	96.6	25	82.4	4.3	1	11.2	5.60	51.4	102	91.9	101	234	54
1680	McVile, ND	2ND33633	2	40.0	96	25	84.4	3.5	1	10.6	4.84	47.5	88	89.2	135	202	46
1681	McVile, ND	2ND33634	2	42.0	95.7	24	85.7	3.5	1	10.9	4.96	49.5	99	90.5	122	209	48
1682	McVile, ND	2ND33635	2	40.7	93.8	26	81.4	4.6	1	11.1	5.52	53.6	93	94.0	140	243	53
1683	McVile, ND	2ND33637	2	39.3	94.8	30	81.0	3.6	1	11.2	5.04	45.1	76	68.8	205	225	53
1684	McVile, ND	2ND33638	2	39.5	95.2	25	81.7	3.7	1	11.5	5.08	48.5	86	88.2	124	232	51
1685	McVile, ND	2ND33639	2	41.2	95.6	25	82.3	3.0	1	10.4	4.39	42.8	75	62.8	194	194	46
1686	McVile, ND	2ND33640	2	40.9	96.3	26	82.9	3.1	1	10.4	4.66	45.0	60	61.5	181	217	50
1687	McVile, ND	2ND33641	2	41.0	96.6	20	82.9	3.5	1	11.0	4.98	46.9	97	86.0	162	221	50
1688	McVile, ND	2ND33643	2	42.5	97	25	82.5	5.3	1	10.7	5.63	53.8	72	81.5	176	269	42
1689	McVile, ND	2ND33646	2	42.3	96.3	22	80.7	3.4	1	10.9	4.74	45.7	82	86.2	180	216	48
1690	McVile, ND	2ND33648	2	39.9	95.1	25	77.3	2.8	1	10.7	4.33	42.0	109	76.3	197	183	36
1691	Pullman, WA	11WA-112.20	2	35.4	76.7	77	77.1	1.8	1	12.6	3.51	28.0	114	52.8	287	131	23
1692	Pullman, WA	09WA-228.29	2	37.3	89.2	75	75.6	1.7	1	13.0	3.35	26.5	82	47.4	674	132	14
1693	Pullman, WA	10WA-113.5	2	38.1	89	69	75.8	2.0	1	13.7	3.56	26.5	95	46.9	465	141	11
1694	Pullman, WA	11WA-109.13	2	33.1	76.3	74	80.6	2.5	2	14.2	3.77	28.6	109	54.3	337	145	19
1695	Pullman, WA	Champion	2	38.6	85.7	78	77.2	1.3	1	13.4	3.76	29.9	94	56.8	521	161	19
1696	Pullman, WA	09WA-232.14	2	38.3	90.8	70	76.8	1.4	1	13.1	3.54	28.5	89	51.8	588	154	21
1697	Pullman, WA	11WA-109.3	2	35.4	84	70	75.8	1.8	2	14.5	3.33	24.4	76	39.7	710	137	1
1698	Pullman, WA	10WA-104.A	2	34.6	85	78	74.9	2.4	2	13.6	3.51	26.1	97	55.1	308	141	11
1699	Pullman, WA	11WA-103.32	2	35.4	87.2	74	76.7	1.7	1	13.8	3.40	24.7	79	48.2	429	136	9
1700	Pullman, WA	10WA-106.9	2	36.3	82	73	77.8	1.5	1	13.5	3.80	29.2	98	63.4	433	169	14
1701	Pullman, WA	11WA-102.17	2	38.1	89.4	69	75.2	1.9	2	13.5	3.23	25.2	86	52.3	480	130	18
1702	Pullman, WA	09WA-232.4	2	37.4	89	79	76.0	1.4	1	14.0	3.45	25.7	70	56.0	600	147	12
1703	Pullman, WA	11WA-110.2	2	33.6	77.7	68	75.4	1.4	1	13.5	3.52	26.7	109	52.9	414	132	13
1704	Pullman, WA	10WA-115.8	2	39.9	90.1	62	75.7	2.0	1	13.9	3.51	26.8	73	47.0	580	150	13
1705	Pullman, WA	11WA-109.16	2	36.2	88.7	71	76.8	2.1	2	14.0	3.70	27.3	95	45.1	578	148	8
1706	Pullman, WA	Lenetah	2	35.4	83.3	76	77.5	1.4	1	13.0	3.73	28.7	99	48.9	319	152	11
1707	Pullman, WA	11WA-106.21	2	34.4	76.2	84	73.9	n.d.	3	13.3	3.20	24.1	82	38.7	475	112	5
1708		HARRINGTON MALT CHECK	2	41.0	96.46	72	82.8	1.9	1	11.6	4.92	43.8	116	91.6	117	223	62
1709	Pullman, WA	10WA-121.4	2	34.4	49.8	80	74.6	2.0	2	13.4	3.41	25.5	65	45.6	524	130	10
1710	Pullman, WA	10WA-123.4	2	34.5	81.9	81	73.8	2.4	2	15.0	3.73	25.6	108	40.0	520	120	5
1711	Pullman, WA	11WA-101.14	2	35.1	80.1	64	74.7	2.3	1	14.1	3.86	28.0	81	51.6	253	132	9
1712	Pullman, WA	11WA-113.10	2	32.8	91.1	85	74.8	2.0	1	14.8	4.19	28.8	120	58.0	165	161	24
1713	Pullman, WA	10WA-114.1	2	33.2	73.6	72	74.5	1.5	1	13.8	3.46	25.3	68	41.6	912	119	6
1714	Pullman, WA	10WA-103.9	2	33.3	83.4	84	74.2	1.3	1	15.0	3.59	25.6	115	38.4	416	118	6
1715	Pullman, WA	11WA-102.21	2	34.5	76.6	82	72.0	n.d.	3	15.1	3.43	23.3	82	37.1	520	124	0
1716	Pullman, WA	10WA-102.2	2	35.8	79.4	81	74.2	1.4	1	14.0	3.45	25.3	71	43.5	608	132	6
1717	Pullman, WA	11WA-101.28	2	34.7	71.7	76	73.7	2.1	2	14.4	3.66	26.0	70	52.0	283	131	8
1718	Pullman, WA	11WA-103.1	2	34.1	86.2	71	73.6	2.2	2	14.6	3.80	26.9	59	52.6	634	151	11
1719	Pullman, WA	09WA-217.6	2	34.9	74.2	88	75.5	1.8	2	13.9	3.58	26.7	62	41.5	740	135	5

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1720	Pullman, WA	Bob	2	32.7	73.8	82	74.1	2.2	2	14.8	4.33	29.5	105	62.7	351	169	15
1721	Pullman, WA	11WA-105.2	2	30.9	65.5	74	71.9	1.6	1	14.9	3.57	24.9	84	51.1	302	132	9
1722	Pullman, WA	12WA-107.4	2	34.4	90.7	70	75.2	n.d.	3	12.9	3.18	25.8	51	38.1	1081	111	15
1723	Pullman, WA	12WA-113.6	2	33.3	90.7	77	75.5	n.d.	3	12.7	3.78	30.4	99	44.0	270	149	19
1724	Pullman, WA	Lenetah	2	36.4	83.6	75	79.8	1.5	1	11.2	3.71	34.0	75	45.0	276	151	23
1725	Pullman, WA	12WA-117.13	2	36.2	89.8	74	77.7	n.d.	3	12.3	3.68	32.4	69	35.3	526	140	13
1726	Pullman, WA	12WA-104.13	2	35.7	86.7	79	78.6	n.d.	3	11.7	3.77	33.1	43	39.4	401	146	17
1727	Pullman, WA	12WA-112.20	2	37.3	85	74	76.9	1.8	1	12.8	3.91	30.5	92	53.0	276	159	22
1728	Pullman, WA	12WA-108.14	2	35.0	86.3	82	78.2	1.8	1	12.6	4.53	38.2	124	69.8	138	209	48
1729	Pullman, WA	12WA-125.2	2	38.2	85.5	68	75.6	1.8	1	12.8	3.59	28.6	87	45.5	347	141	21
1730	Pullman, WA	12WA-123.36	2	34.2	88.5	72	76.2	n.d.	3	12.2	3.87	33.0	98	48.7	188	153	17
1731	Pullman, WA	12WA-115.4	2	38.0	91.7	78	77.0	4.5	2	12.1	4.12	34.9	94	49.5	217	173	25
1732	Pullman, WA	12WA-123.27	2	34.0	88.7	69	74.8	n.d.	3	12.4	3.42	29.6	81	35.8	451	114	13
1733	Pullman, WA	12WA-104.15	2	38.3	87.1	68	78.0	2.0	2	12.0	3.65	31.8	76	46.1	352	147	24
1734	Pullman, WA	12WA-102.6	2	32.6	83.5	77	78.2	1.8	2	10.9	3.59	33.6	74	58.7	208	125	17
1735	Pullman, WA	12WA-123.33	2	36.8	89.9	71	75.8	n.d.	3	12.2	3.76	32.4	87	43.6	318	143	17
1736	Pullman, WA	12WA-102.9	2	33.9	84.9	77	80.2	n.d.	3	11.5	4.34	40.6	83	65.4	295	191	37
1737	Pullman, WA	12WA-112.17	2	40.4	94.1	69	78.0	1.6	1	11.6	3.69	34.0	71	54.2	213	151	32
1738	Pullman, WA	12WA-124.11	2	36.9	91.5	74	78.6	n.d.	3	12.2	3.95	32.9	92	49.0	401	164	23
1739	Pullman, WA	12WA-119.5	2	35.8	84.5	66	76.5	1.6	1	14.1	3.55	26.1	93	36.6	488	119	2
1740		HARRINGTON MALT CHECK	2	41.5	96.1	74	82.6	1.8	1	11.1	4.90	44.5	114	87.1	57	249	66
1741	Pullman, WA	12WA-102.3	2	35.0	88.8	68	78.0	2.4	2	12.3	3.43	29.5	75	50.0	225	130	22
1742	Pullman, WA	12WA-112.15	2	37.3	87.9	69	75.5	1.6	1	13.4	3.77	28.3	86	52.0	296	127	17
1743	Pullman, WA	12WA-117.11	2	38.7	89.9	77	76.4	2.2	2	13.3	3.58	28.0	73	34.7	525	122	11
1744	Pullman, WA	12WA-104.11	2	38.6	90.6	68	76.1	1.6	1	13.4	3.63	27.2	57	41.6	348	128	18
1745	Pullman, WA	12WA-107.11	2	34.8	89.6	54	74.4	1.9	1	14.8	3.68	25.3	71	48.3	805	125	9
1746	Pullman, WA	12WA-124.2	2	34.3	87.7	74	74.7	n.d.	3	14.4	3.68	26.4	84	40.0	555	131	3
1747	Pullman, WA	Champion	2	39.3	90.5	78	78.1	1.6	1	12.0	3.44	30.1	73	46.1	483	132	27
1748	Pullman, WA	12WA-106.14	2	34.9	92.5	68	76.1	n.d.	3	12.5	3.63	29.6	104	40.2	214	130	23
1749	Pullman, WA	12WA-112.11	2	39.0	91.2	69	77.0	1.7	1	12.2	3.53	30.0	80	47.2	338	131	23
1750	Pullman, WA	Bob	2	36.7	90.2	78	77.8	n.d.	3	12.5	3.89	32.7	92	60.3	355	151	22
1751	Pullman, WA	12WA-121.3	2	37.2	89.6	80	78.5	2.0	1	12.2	4.38	36.1	99	74.6	349	185	32
1752	Pullman, WA	12WA-121.13	2	37.8	91.7	86	78.0	1.6	1	12.9	4.20	33.6	139	78.9	149	178	37
1753	McVile, ND	CONLON	2	42.6	98.2	28	82.0	3.2	1	12.3	5.21	43.7	134	86.4	342	224	63
1754	McVile, ND	PINNACLE	2	39.0	95.6	21	81.8	3.7	1	11.5	4.80	43.6	101	69.4	245	207	57
1755	McVile, ND	LACEY	6	34.8	96.2	31	80.4	3.6	1	12.5	5.88	47.4	150	80.4	101	263	61
1756	McVile, ND	2ND25276	2	36.1	94.5	25	82.9	4.6	1	10.8	5.24	51.8	95	92.6	116	234	44
1757	McVile, ND	2ND33649	2	40.5	97.2	23	81.9	4.0	1	10.8	4.93	48.3	94	79.3	132	209	48
1758	McVile, ND	2ND33650	2	42.6	96.3	22	82.7	5.5	1	10.4	5.58	55.5	68	94.1	95	247	53
1759	McVile, ND	2ND33651	2	41.4	94.9	26	82.1	4.7	1	11.2	5.24	50.1	89	86.6	109	226	53
1760	McVile, ND	2ND33653	2	40.7	96.6	23	82.5	5.1	1	10.7	5.53	51.8	101	80.4	117	245	52
1761	McVile, ND	2ND33654	2	42.0	97.2	22	81.2	3.4	1	11.1	4.56	42.3	90	78.4	109	188	57
1762	McVile, ND	2ND33655	2	40.2	96.4	22	80.6	4.4	2	10.7	4.56	46.5	76	70.1	123	190	47

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1763	McVile, ND	2ND33657	2	40.9	95.3	29	84.1	4.9	1	11.1	5.59	54.6	76	62.7	168	253	50
1764	McVile, ND	2ND33659	2	37.5	92.3	30	84.2	3.7	1	11.0	5.09	49.2	88	72.6	151	221	46
1765	McVile, ND	2ND33662	2	40.8	95	28	83.0	4.0	1	10.5	5.00	50.8	94	89.8	177	216	45
1766	McVile, ND	2ND33663	2	37.5	92.8	25	84.2	6.3	1	10.7	6.16	61.5	78	81.8	66	291	41
1767	McVile, ND	2ND33664	2	36.8	92.7	25	81.5	3.3	1	11.4	5.27	46.6	92	71.6	127	224	54
1768	McVile, ND	2ND33665	2	35.5	93.9	25	80.9	3.3	1	12.2	5.29	44.0	98	70.9	149	224	51
1769	McVile, ND	2ND33666	2	38.0	91.7	25	80.4	2.9	1	11.8	5.00	45.5	93	69.3	148	203	53
1770	McVile, ND	2ND33667	2	35.6	92.3	22	81.9	3.1	1	11.8	5.27	47.1	91	72.7	126	224	49
1771		HARRINGTON MALT CHECK	2	42.5	96.6	73	82.5	2.1	1	11.2	5.00	46.5	109	85.9	65	236	67
1772	McVile, ND	2ND33669	2	36.5	94.4	24	82.3	3.5	1	11.9	5.30	47.7	108	76.0	53	238	57
1773	McVile, ND	2ND33670	2	37.9	96.3	24	82.6	4.9	1	12.1	6.30	54.8	107	77.2	30	319	50
1774	McVile, ND	2ND33671	2	38.4	96.7	23	82.4	4.8	1	11.8	6.05	53.3	99	78.6	38	281	48
1775	McVile, ND	2ND33672	2	39.1	92.9	23	81.8	3.5	1	10.9	5.17	49.8	84	72.4	85	245	50
1776	McVile, ND	2ND33673	2	37.9	92.2	21	82.9	4.1	1	11.4	5.77	53.8	103	84.5	54	274	53
1777	McVile, ND	2ND33674	2	36.8	95	22	82.6	4.0	1	12.1	6.04	50.4	84	72.4	44	270	46
1778	McVile, ND	2ND33675	2	35.2	93.3	23	81.1	2.5	1	11.9	4.85	42.4	95	60.0	141	197	54
1779	McVile, ND	2ND33676	2	39.4	96.9	22	81.5	3.6	1	12.7	5.84	46.1	122	70.1	83	261	63
1780	McVile, ND	2ND33677	2	39.7	96.1	22	81.0	3.5	1	11.7	5.55	48.1	111	61.5	85	237	56
1781	McVile, ND	2ND33678	2	40.4	95.5	25	80.8	1.8	1	12.1	4.46	38.7	97	49.1	285	172	39
1782	McVile, ND	2ND33679	2	40.2	95	27	80.6	2.0	1	12.4	4.60	39.3	110	63.0	216	178	46
1783	McVile, ND	2ND33680	2	37.9	93.8	21	82.2	3.2	1	11.2	5.14	46.3	107	75.5	84	234	62
1784	McVile, ND	2ND33682	2	38.0	93.8	22	81.4	3.1	1	11.8	5.21	44.9	99	62.2	74	223	60
1785	McVile, ND	2ND33683	2	38.4	94.8	21	80.9	2.9	1	12.2	4.88	40.3	92	62.0	81	203	57
1786	McVile, ND	2ND33684	2	36.5	96.1	17	81.3	4.4	1	10.9	5.52	52.2	94	98.3	64	252	48
1787	McVile, ND	2ND33685	2	37.0	93.1	22	82.5	3.1	1	11.5	5.35	47.1	96	67.1	82	228	53
1788	McVile, ND	2ND33686	2	35.3	92.4	25	81.0	2.6	1	11.8	4.81	43.1	103	61.1	94	196	62
1789	McVile, ND	2ND33687	2	38.0	94.3	24	81.8	3.8	1	12.1	5.94	50.2	127	99.2	54	255	56
1790	McVile, ND	2ND33689	2	40.4	95	21	80.5	2.8	1	11.5	4.61	41.9	97	71.2	277	173	47
1791	McVile, ND	2ND33690	2	36.7	94	22	83.0	3.3	1	11.7	5.57	51.0	101	79.3	97	254	57
1792	McVile, ND	2ND33691	2	36.2	94.2	25	81.7	2.5	1	12.3	5.00	42.4	106	80.3	157	203	55
1793	McVile, ND	2ND33692	2	41.2	96.4	25	82.7	3.8	1	11.8	5.94	53.8	111	83.3	89	260	57
1794	McVile, ND	2ND33693	2	40.0	95.3	25	83.2	3.0	1	11.7	5.54	50.9	115	83.7	79	242	59
1795	McVile, ND	2ND33694	2	38.4	93.7	27	80.9	2.4	1	11.8	5.05	43.9	137	85.2	134	195	60
1796	Pullman, WA	12WA-108.10	2	32.4	65.4	74	74.5	2.6	2	13.9	3.87	28.8	110	56.6	223	149	12
1797	Pullman, WA	Lenetah	2	33.1	70.8	74	75.6	1.4	1	13.8	3.82	28.9	115	54.8	292	135	13
1798	Pullman, WA	12WA-117.9	2	35.6	77.6	78	73.3	2.2	2	14.6	3.92	26.9	106	47.6	444	133	9
1799	Pullman, WA	12WA-104.8	2	35.4	82.6	71	73.0	2.4	2	15.3	4.12	27.0	93	57.8	393	144	11
1800	Pullman, WA	12WA-117.16	2	34.7	70.2	74	72.6	2.2	2	15.7	3.90	26.3	133	40.8	335	126	12
1801	Pullman, WA	12WA-115.2	2	36.4	73.5	89	71.4	2.0	2	15.4	3.79	26.0	146	45.7	324	124	12
1802		HARRINGTON MALT CHECK	2	40.1	96.8	76	82.7	1.9	1	11.7	4.76	41.5	110	88.1	114	199	62
1803	Pullman, WA	12WA-119.1	2	36.3	75.6	70	72.8	1.7	1	16.5	3.73	24.0	104	41.5	575	112	10
1804	Pullman, WA	Champion	2	38.0	83.8	82	75.7	1.4	1	13.7	3.69	27.1	96	51.9	434	136	11
1805	Pullman, WA	12WA-115.7	2	39.9	90.3	80	75.1	1.7	1	14.9	4.05	28.3	109	51.6	292	194	28

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1806	Pullman, WA	12WA-112.8	2	42.1	93.8	69	74.8	1.4	1	14.0	3.71	27.0	109	46.6	359	155	20
1807	Pullman, WA	12WA-112.5	2	39.3	91.9	71	75.6	1.5	1	14.0	3.88	29.1	99	52.4	317	173	16
1808	Pullman, WA	12WA-124.14	2	35.2	88.3	78	76.2	2.2	1	14.3	4.63	32.5	108	65.2	327	228	28
1809	Pullman, WA	12WA-108.2	2	35.0	84.1	83	78.1	1.8	1	14.4	4.84	34.1	153	75.0	143	261	35
1810	Pullman, WA	12WA-115.6	2	41.9	93.98	68	74.6	n.d.	3	14.9	3.82	26.2	123	44.6	338	169	20
1811	Pullman, WA	12WA-113.9	2	39.7	95.6	67	74.3	n.d.	3	14.7	3.70	25.7	113	44.2	521	158	15
1812	Pullman, WA	12WA-123.22	2	35.7	85.1	73	72.6	n.d.	3	15.3	3.85	26.7	140	45.3	357	178	14
1813	Pullman, WA	12WA-103.5	2	34.0	74.2	82	76.1	1.5	1	15.0	4.26	30.0	123	74.3	298	208	24
1814	Pullman, WA	12WA-122.9	2	30.1	60.1	76	75.4	1.7	1	15.2	4.48	30.1	148	73.9	219	232	28
1815	Pullman, WA	12WA-125.10	2	36.2	79.8	77	73.6	1.5	1	15.9	3.86	24.8	120	51.5	314	150	16
1816	Pullman, WA	12WA-121.8	2	36.7	88.7	91	74.6	1.6	1	15.0	3.83	26.1	118	46.0	470	138	13
1817	Pullman, WA	12WA-117.1	2	36.9	82.2	73	74.8	1.3	1	15.8	4.17	26.8	138	47.9	336	159	16
1818	Pullman, WA	12WA-125.4	2	36.6	80.3	74	73.9	1.5	1	15.6	4.17	27.6	123	55.3	379	159	19
1819	Pullman, WA	12WA-115.9	2	39.8	84.2	83	73.0	2.3	2	15.2	3.98	27.2	152	50.3	167	148	17
1820	Pullman, WA	12WA-108.3	2	32.2	61.8	88	74.0	1.4	1	15.0	4.04	27.1	146	53.3	221	151	19
1821	Pullman, WA	12WA-122.11	2	35.2	85.6	79	75.7	n.d.	3	15.0	4.00	28.0	137	55.4	281	140	17
1822	Pullman, WA	12WA-103.6	2	36.9	80.7	78	75.4	1.4	1	14.6	3.89	27.1	80	43.7	434	145	6
1823	Pullman, WA	Bob	2	34.4	85.7	80	75.0	1.9	2	14.7	4.23	29.9	111	60.5	251	182	21
1824	Pullman, WA	12WA-102.8	2	34.0	80.2	82	78.1	1.6	1	13.0	4.68	38.4	129	85.2	194	208	42
1825	Pullman, WA	12WA-112.1	2	37.8	86.5	78	75.6	1.3	1	13.4	3.97	30.2	99	62.8	418	152	17
1826	Pullman, WA	12WA-103.2	2	36.1	75.4	71	75.8	2.0	2	13.5	3.73	28.2	91	46.8	652	141	5
1827	McVile, ND	CONLON	2	41.3	97.6	29	83.1	2.4	1	12.2	4.81	41.3	121	81.1	565	202	62
1828	McVile, ND	PINNACLE	2	40.3	95.5	27	82.7	3.0	1	11.2	4.80	45.0	100	67.2	334	241	55
1829	McVile, ND	LACEY	6	34.2	95.7	32	82.2	2.2	1	12.6	5.81	48.1	136	75.4	242	305	51
1830	McVile, ND	2ND25276	2	36.0	92.2	28	83.9	3.0	1	10.5	5.22	52.0	95	93.6	214	263	41
1831	McVile, ND	2ND33697	2	37.8	93.6	27	85.2	2.7	1	11.4	5.72	50.9	87	72.5	162	274	42
1832	McVile, ND	2ND33698	2	39.8	95.7	29	83.8	2.2	1	11.4	5.25	47.8	108	84.8	157	251	52
1834	McVile, ND	2ND33699	2	38.3	96.6	26	83.1	2.0	1	11.1	5.06	46.8	107	74.3	148	254	60
1835	McVile, ND	2ND33700	2	38.7	97.4	25	82.8	1.7	1	11.5	4.73	43.2	110	85.7	249	223	57
1836	McVile, ND	2ND33701	2	39.4	98.1	26	83.0	2.6	1	12.3	5.65	47.0	110	79.6	108	285	56
1837	McVile, ND	2ND33702	2	39.7	96.3	27	84.2	2.9	1	11.3	5.64	52.3	95	85.4	160	282	44
1838	McVile, ND	2ND33703	2	39.0	96.1	22	83.4	2.8	1	11.1	5.54	52.0	94	78.1	236	294	48
1839	McVile, ND	2ND33704	2	38.9	96.2	25	84.1	2.6	1	11.3	5.64	50.2	110	84.1	162	304	48
1840	McVile, ND	2ND33705	2	39.9	95.7	24	82.9	2.1	1	11.6	5.30	46.3	110	88.2	205	276	57
1841	McVile, ND	2ND33706	2	39.0	95.8	22	84.2	2.3	1	10.5	5.20	50.9	84	80.4	216	282	43
1842	McVile, ND	2ND33707	2	38.5	94.2	23	83.0	2.2	1	11.5	5.25	47.7	106	87.8	163	258	52
1843	McVile, ND	2ND33708	2	38.0	93.2	21	83.0	2.5	1	11.1	5.20	48.0	105	104.1	199	270	52
1844	McVile, ND	2ND33709	2	37.2	95.8	22	82.9	2.5	1	10.6	5.21	50.7	105	104.7	223	262	45
1845	McVile, ND	2ND33710	2	38.2	94.3	27	82.9	1.7	1	11.1	4.61	44.2	115	74.5	139	229	60
1846	McVile, ND	2ND33711	2	40.6	95.6	22	82.8	2.5	1	10.9	4.90	47.1	102	75.4	210	240	49
1847	McVile, ND	2ND33712	2	39.6	96.1	24	83.4	2.3	1	10.4	4.94	48.2	98	73.1	228	281	43
1848	McVile, ND	2ND33713	2	37.1	96	23	81.5	2.3	1	10.8	4.73	46.0	114	96.2	255	223	50
1849	McVile, ND	2ND33715	2	41.9	98.1	23	82.2	1.8	1	11.4	4.65	41.1	113	66.0	144	221	62

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1850	McVile, ND	2ND33716	2	38.2	96.7	23	81.8	2.2	1	10.2	4.56	46.1	102	85.6	286	233	52
1851	McVile, ND	2ND33717	2	38.2	96.2	27	82.6	1.8	1	11.3	4.65	41.3	98	62.4	168	244	53
1852	McVile, ND	2ND33718	2	40.1	95.9	22	82.5	1.8	1	11.6	4.75	43.0	103	67.3	155	243	59
1853	McVile, ND	2ND33719	2	35.6	92.9	28	83.0	2.9	1	11.5	5.18	46.4	114	81.8	221	240	55
1854	McVile, ND	2ND33722	2	39.6	95.6	26	82.1	2.8	1	11.1	4.82	46.2	98	80.6	221	219	53
1855	McVile, ND	2ND33723	2	41.6	97	22	82.2	3.4	1	10.6	4.95	47.8	104	87.3	238	229	49
1856	McVile, ND	2ND33724	2	38.2	95.4	22	83.4	3.5	1	10.5	5.27	51.2	94	103.2	175	257	43
1857	McVile, ND	2ND33725	2	40.3	95.8	26	81.2	2.5	1	11.6	4.43	40.2	121	82.5	277	191	62
1858	McVile, ND	2ND33726	2	40.1	97.3	22	83.0	3.5	1	10.5	5.41	52.3	90	100.2	224	262	45
1859	McVile, ND	2ND33727	2	39.5	97.1	22	83.3	2.9	1	10.9	4.97	49.1	108	88.0	182	238	47
1860	McVile, ND	2ND33728	2	38.4	97.6	25	82.9	3.8	1	11.0	5.41	51.2	99	95.7	107	264	46
1861	McVile, ND	2ND33729	2	40.9	95.7	26	83.3	3.5	1	10.9	5.31	52.4	86	60.2	131	256	48
1862		HARRINGTON MALT CHECK	2	40.4	96.4	75	83.0	2.3	1	11.3	4.87	44.8	105	73.4	164	232	59
1863	Aberdeen, ID	11ARS001-1	2	39.6	95.9	40	81.2	3.6	1	13.7	6.12	46.6	117	78.9	91	300	47
1864	Aberdeen, ID	11ARS001-2	2	41.7	97.9	36	81.7	3.9	1	12.2	5.89	52.5	94	86.5	70	298	53
1865	Aberdeen, ID	11ARS001-3	2	37.3	87.4	36	80.2	3.1	1	13.8	5.92	45.9	153	86.3	42	293	46
1866	Aberdeen, ID	11ARS001-5	2	38.5	91.8	38	79.4	3.0	1	14.7	5.73	39.9	157	76.8	107	266	41
1867	Aberdeen, ID	11ARS009-2	2	39.9	98.3	54	81.0	2.9	1	12.9	5.50	43.7	101	71.2	52	272	61
1868	Aberdeen, ID	11ARS009-3	2	40.9	95.3	54	81.1	3.0	1	12.0	5.38	48.2	84	74.1	122	270	53
1869	Aberdeen, ID	11ARS009-5	2	33.8	81.4	44	79.1	3.0	1	12.8	5.90	46.1	116	76.4	68	301	47
1870	Aberdeen, ID	11ARS010-1	2	38.7	89.2	47	78.9	2.3	1	12.6	4.57	38.9	116	68.2	87	197	51
1871	Aberdeen, ID	11ARS010-2	2	40.2	93.4	43	79.5	2.4	1	11.3	4.61	42.7	102	69.4	53	217	63
1872	Aberdeen, ID	11ARS010-3	2	34.7	72.4	54	77.9	2.3	1	11.3	4.55	42.9	102	74.3	100	230	47
1873	Aberdeen, ID	11ARS108-1	2	36.7	88.5	48	77.9	2.0	1	11.2	3.51	32.2	106	50.9	353	147	26
1874	Aberdeen, ID	11ARS108-2	2	37.5	94	50	78.7	1.9	1	12.0	3.80	33.2	124	59.3	316	153	35
1875	Aberdeen, ID	11ARS108-4	2	37.8	92.2	45	81.6	2.5	1	10.9	4.92	45.7	103	91.1	90	240	57
1876	Aberdeen, ID	11ARS109-2	2	40.8	97	43	79.8	2.3	1	13.5	4.77	36.9	129	60.3	117	217	52
1877	Aberdeen, ID	11ARS109-7	2	40.4	95.7	43	78.0	2.0	1	11.9	3.91	33.0	118	49.8	361	156	29
1878	Aberdeen, ID	11ARS110-2	2	39.0	96.2	45	79.6	2.5	1	12.4	4.73	40.1	112	62.5	193	217	54
1879	Aberdeen, ID	11ARS110-3	2	46.0	98.8	46	80.6	2.4	1	12.1	4.52	38.0	111	67.6	274	189	50
1880	Aberdeen, ID	11ARS110-5	2	41.3	94.1	44	78.2	2.0	1	13.7	4.48	32.8	129	68.4	257	185	39
1881	Aberdeen, ID	11ARS112-2	2	34.2	87.5	54	78.8	2.9	1	13.3	5.53	42.4	120	86.2	105	259	45
1882	Aberdeen, ID	11ARS112-3	2	36.0	90.9	50	79.6	2.6	1	11.9	5.23	47.6	116	86.3	108	242	50
1883	Aberdeen, ID	11ARS112-4	2	36.6	87.2	50	79.4	2.5	1	11.6	4.87	42.5	91	77.1	157	230	43
1884	Aberdeen, ID	11ARS114-2	2	33.3	53.08	58	74.9	1.8	1	12.3	4.05	33.9	103	59.4	216	167	26
1885	Aberdeen, ID	11ARS114-3	2	36.8	71.98	46	74.1	1.8	1	14.3	4.19	29.7	136	57.7	252	182	22
1886	Aberdeen, ID	11ARS114-4	2	35.8	88.8	38	77.4	3.1	2	12.5	4.22	36.6	86	59.3	317	170	24
1887	Aberdeen, ID	11ARS115-1	2	41.0	98.7	45	80.0	2.8	1	12.3	5.14	44.3	105	84.9	59	224	63
1888	Aberdeen, ID	11ARS115-3	2	33.4	86.8	37	76.2	3.0	2	13.4	4.35	34.2	95	63.0	169	151	19
1889	Aberdeen, ID	11ARS115-4	2	37.8	91.6	45	80.2	2.3	1	12.1	4.28	38.1	100	69.8	109	183	44
1890	Aberdeen, ID	11ARS115-5	2	38.8	92	43	79.0	2.4	1	13.1	4.35	33.4	126	72.8	151	183	38
1891	Aberdeen, ID	11ARS116-1	2	37.9	94.4	41	78.4	2.1	1	11.5	4.29	39.0	96	77.7	185	184	34
1892	Aberdeen, ID	11ARS116-4	2	40.7	95.6	42	80.6	2.2	1	10.4	3.87	38.7	77	68.9	69	161	37

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1893		HARRINGTON MALT CHECK	2	41.4	96.625	74	82.8	2.1	1	11.8	4.90	44.2	108	89.3	118	219	62
1894	Aberdeen, ID	11ARS116-5	2	38.4	91.7	43	79.2	2.4	1	12.8	4.77	39.3	113	83.1	152	216	46
1895	Aberdeen, ID	11ARS118-4	2	35.9	75.2	55	78.2	2.4	1	14.2	5.33	39.2	142	98.4	150	235	32
1896	Aberdeen, ID	11ARS119-4	2	35.2	90.2	56	79.6	2.3	1	11.0	4.63	43.6	97	102.2	38	204	55
1897	Aberdeen, ID	11ARS119-5	2	37.2	87.4	42	78.0	2.3	1	12.1	4.82	43.3	102	89.3	100	211	50
1898	Aberdeen, ID	11ARS124-2	2	38.6	94.6	44	81.3	2.9	1	11.3	5.03	45.6	104	110.5	73	242	64
1899	Aberdeen, ID	11ARS124-3	2	33.7	67	60	76.5	2.6	1	12.8	4.90	40.1	119	99.1	108	197	43
1900	Aberdeen, ID	11ARS124-4	2	41.6	94.8	49	79.8	3.2	1	12.1	5.40	43.7	103	100.6	114	245	59
1901	Aberdeen, ID	11ARS127-1	2	37.9	95	37	80.3	2.9	1	11.8	4.83	43.9	114	93.9	35	217	59
1902	Aberdeen, ID	11ARS127-2	2	38.5	92.7	38	80.8	2.3	1	12.6	4.48	37.8	100	86.0	70	187	54
1903	Aberdeen, ID	11ARS127-3	2	39.5	93.6	37	81.1	2.5	1	12.1	4.68	39.3	117	91.1	65	202	59
1904	Aberdeen, ID	11ARS127-4	2	36.0	94.9	41	80.0	2.8	1	11.9	4.90	42.1	120	91.4	32	213	62
1905	Aberdeen, ID	11ARS127-5	2	36.3	96.7	42	80.9	3.1	1	11.6	4.96	44.6	107	81.4	33	213	59
1906	Aberdeen, ID	11ARS128-1	2	36.0	88.1	54	79.8	2.1	1	10.2	4.19	44.1	100	92.7	66	177	43
1907	Aberdeen, ID	11ARS128-2	2	35.6	90	51	80.4	2.9	1	12.3	5.13	44.8	136	85.3	20	226	62
1908	Aberdeen, ID	11ARS128-4	2	40.3	97.5	51	80.3	2.9	1	12.5	5.36	44.4	105	93.6	29	236	63
1909	Aberdeen, ID	11ARS128-5	2	35.1	78	44	79.5	2.6	1	11.9	4.92	41.5	103	97.2	42	214	54
1910	Aberdeen, ID	11ARS130-1	2	36.4	89	48	78.8	2.9	2	11.3	3.76	35.2	93	61.3	91	150	32
1911	Aberdeen, ID	11ARS130-2	2	37.6	96.4	56	80.3	2.9	1	10.4	4.58	47.1	63	99.9	24	198	45
1912	Aberdeen, ID	11ARS130-3	2	38.7	85.8	56	78.6	2.3	1	13.3	5.09	40.7	111	100.5	146	240	47
1913	Aberdeen, ID	11ARS131-1	2	39.6	96.7	43	80.9	2.8	1	10.8	4.72	46.3	68	77.7	47	235	52
1914	Aberdeen, ID	11ARS131-2	2	40.7	97.9	45	78.9	3.4	1	11.9	5.36	47.2	106	85.7	48	262	55
1915	Aberdeen, ID	11ARS131-3	2	40.4	97	32	77.6	1.5	1	14.0	4.12	29.6	131	57.3	105	153	31
1916	Aberdeen, ID	11ARS131-4	2	37.9	94.9	33	78.8	2.0	1	13.5	4.68	36.3	131	75.9	59	197	49
1917	Aberdeen, ID	11ARS133-2	2	40.2	97.1	48	80.5	3.1	1	12.0	5.34	45.2	94	88.5	62	272	59
1918	Aberdeen, ID	11ARS133-5	2	37.2	89.6	45	79.6	2.0	1	12.9	4.71	38.8	125	74.3	111	237	51
1919	Aberdeen, ID	11ARS143-1	2	37.6	94.1	49	79.1	2.2	1	12.8	4.54	36.7	151	76.6	68	207	54
1920	Aberdeen, ID	11ARS146-1	2	35.3	83.8	57	78.5	2.1	1	13.2	4.72	37.2	102	89.1	153	237	34
1921	Aberdeen, ID	11ARS146-4	2	35.3	90.6	52	77.8	2.4	1	13.8	5.41	41.1	143	114.6	88	274	45
1922	Aberdeen, ID	11ARS148-1	2	41.9	94.2	44	79.7	2.4	1	12.7	4.77	38.8	118	73.9	157	225	51
1923		HARRINGTON MALT CHECK	2	40.1	96.39	73	82.5	2.1	1	11.8	4.85	44.4	106	85.6	59	253	66
1924	Aberdeen, ID	11ARS148-2	2	43.3	96.7	37	79.7	1.9	1	11.2	3.79	36.2	104	50.5	296	155	40
1925	Aberdeen, ID	11ARS148-3	2	41.4	90.1	42	78.4	2.8	1	14.0	5.18	37.9	140	78.8	182	258	41
1926	Aberdeen, ID	11ARS148-4	2	40.3	94.3	52	80.1	2.7	1	11.4	4.53	41.5	76	53.4	136	213	55
1927	Aberdeen, ID	11ARS148-5	2	42.5	95.9	52	79.7	2.5	1	12.8	5.12	40.0	146	72.9	97	233	67
1928	Aberdeen, ID	11ARS149-2	2	38.4	93.8	45	80.2	2.4	1	12.1	4.70	42.1	96	75.5	36	216	57
1929	Aberdeen, ID	11ARS149-3	2	31.2	64.7	36	76.6	2.9	1	13.5	5.12	40.6	111	80.5	47	244	42
1930	Aberdeen, ID	11ARS149-4	2	36.2	94.6	50	79.6	2.5	1	12.9	5.27	41.4	150	92.0	31	280	62
1931	Aberdeen, ID	11ARS149-5	2	37.6	89.3	46	78.5	2.2	1	12.8	4.68	38.4	142	81.2	66	234	52
1932	Aberdeen, ID	11ARS150-2	2	35.7	85.7	53	79.4	2.1	1	11.5	4.41	39.2	115	77.4	43	201	52
1933	Aberdeen, ID	11ARS151-1	2	40.7	95	50	80.2	2.2	1	12.2	4.72	40.9	124	74.3	60	216	66
1934	Aberdeen, ID	11ARS151-2	2	37.7	94.2	54	81.1	2.0	1	11.5	4.45	41.7	106	61.8	72	204	62
1935	Aberdeen, ID	11ARS151-3	2	38.7	92.7	48	79.8	2.6	1	13.5	5.20	41.1	146	98.0	68	245	54

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1936	Aberdeen, ID	11ARS151-4	2	38.1	93.7	56	79.3	2.0	1	12.0	4.59	39.6	125	74.7	75	207	56
1937	Aberdeen, ID	11ARS152-1	2	39.4	95.4	50	80.0	3.4	2	12.2	4.99	43.4	111	64.2	51	236	60
1938	Aberdeen, ID	11ARS152-2	2	40.9	97.6	50	79.4	4.2	2	13.0	5.21	40.8	138	65.3	41	251	57
1939	Aberdeen, ID	11ARS152-3	2	36.8	94.2	55	78.0	3.0	1	13.2	5.09	40.2	129	66.5	31	230	50
1940	Aberdeen, ID	11ARS152-4	2	37.4	94.3	50	78.9	3.4	2	11.0	3.53	33.9	95	39.1	202	131	20
1941	Aberdeen, ID	11ARS153-1	2	41.2	94.5	37	76.6	2.5	1	14.3	5.08	36.1	140	58.0	105	245	40
1942	Aberdeen, ID	11ARS153-2	2	38.5	92.5	36	75.3	2.3	2	14.1	3.60	26.5	131	40.0	480	143	15
1943	Aberdeen, ID	11ARS153-3	2	42.4	96.6	38	79.1	2.5	2	12.1	3.96	34.3	117	51.4	306	159	36
1944	Aberdeen, ID	11ARS153-4	2	40.8	93.1	39	76.3	2.2	1	14.2	4.12	29.4	125	38.8	395	150	21
1945	Aberdeen, ID	11ARS153-5	2	39.3	95.5	38	77.4	2.6	2	14.4	4.79	34.6	147	53.8	244	210	34
1946	Aberdeen, ID	11ARS154-1	2	43.8	98.1	50	81.8	2.7	1	10.8	4.64	46.2	79	79.7	80	231	58
1947	Aberdeen, ID	11ARS154-2	2	41.6	94.5	49	78.9	2.4	2	12.9	4.20	33.5	108	56.7	79	175	45
1948	Aberdeen, ID	11ARS156-1	2	36.8	85.8	51	79.6	2.3	1	12.5	4.74	40.6	106	85.8	79	215	57
1949	Aberdeen, ID	11ARS156-2	2	40.2	98.3	46	80.7	2.3	1	12.3	4.72	39.1	132	83.3	28	211	61
1950	Aberdeen, ID	11ARS156-3	2	36.7	93.7	42	80.5	2.9	1	11.9	4.73	41.9	96	85.0	23	229	55
1951	Aberdeen, ID	11ARS156-4	2	41.1	97.1	47	80.9	2.7	1	11.3	4.79	44.3	80	83.5	48	219	59
1952	Aberdeen, ID	11ARS157-1	2	39.3	97.8	44	80.6	3.5	1	11.7	4.92	42.7	84	74.2	117	232	53
1953	Aberdeen, ID	11ARS157-2	2	35.9	88.5	46	80.3	2.6	1	11.9	5.19	43.7	108	72.9	34	241	57
1954	Aberdeen, ID	11ARS157-4	2	39.4	83.2	49	78.5	2.6	1	12.2	4.82	41.8	97	73.5	89	218	49
1955		HARRINGTON MALT CHECK	2	41.0	96.8	74	82.9	2.1	1	11.5	4.67	44.2	108	87.0	120	209	62
1956	Aberdeen, ID	11ARS158-2	2	39.1	96.8	54	81.1	3.2	1	11.6	5.10	46.2	132	74.3	52	226	67
1957	Aberdeen, ID	11ARS158-4	2	41.5	98.1	48	81.3	2.6	1	12.2	4.83	40.2	104	76.6	76	210	66
1958	Aberdeen, ID	11ARS158-5	2	40.3	97.7	41	81.2	3.2	2	11.9	4.93	42.7	114	81.2	35	209	65
1959	Aberdeen, ID	11ARS162-9	2	36.5	93.6	49	79.6	2.9	1	12.8	5.36	42.2	149	99.1	28	231	62
1960	Aberdeen, ID	11ARS165-1	2	40.3	95.1	48	79.6	2.8	1	13.3	5.34	43.1	115	84.9	50	230	58
1961	Aberdeen, ID	11ARS165-3	2	34.9	87.1	58	78.7	2.0	1	11.6	4.02	37.0	97	54.0	141	149	32
1962	Aberdeen, ID	11ARS165-4	2	37.9	93.2	55	79.3	2.1	1	11.9	3.85	33.3	112	62.8	121	148	35
1963	Aberdeen, ID	11ARS173-1	2	38.3	86.2	40	79.3	2.9	1	10.6	4.47	46.1	73	73.1	38	221	47
1964	Aberdeen, ID	11ARS173-2	2	30.6	67.1	53	79.2	2.6	1	10.3	4.24	44.5	77	75.8	24	179	33
1965	Aberdeen, ID	11ARS173-4	2	39.8	85.6	41	78.5	3.0	1	12.6	4.99	42.4	102	76.8	35	238	56
1966	Aberdeen, ID	11ARS180-2	2	36.6	79.9	49	78.9	2.3	1	12.5	4.38	35.4	132	73.8	63	212	45
1967	Aberdeen, ID	11ARS180-3	2	38.6	94.5	43	79.9	2.8	1	12.2	4.86	42.8	121	81.3	33	251	64
1968	Aberdeen, ID	11ARS181-4	2	37.4	93.7	46	81.3	2.2	1	11.9	5.13	44.2	121	86.2	38	255	65
1969	Aberdeen, ID	11ARS185-1	2	35.3	85.3	35	77.6	2.6	1	11.9	5.06	43.8	117	95.7	28	257	50
1970	Aberdeen, ID	11ARS185-2	2	38.5	91	42	80.1	2.3	1	11.5	4.93	44.4	108	90.8	29	264	61
1971	Aberdeen, ID	11ARS185-4	2	37.0	87.6	44	77.3	1.9	1	13.4	4.52	34.8	134	77.4	125	215	39
1972	Aberdeen, ID	11ARS185-5	2	39.5	85.7	36	78.5	2.2	1	14.2	5.21	38.7	116	86.5	49	270	41
1973	Aberdeen, ID	11ARS187-4	2	39.8	92.2	54	79.2	1.6	1	12.2	4.11	35.6	139	70.8	78	188	50
1974	Aberdeen, ID	11ARS187-5	2	35.1	74.4	50	78.1	1.7	1	12.3	4.02	35.4	122	70.8	105	182	39
1975	Aberdeen, ID	11ARS189-2	2	38.6	92	45	81.3	3.1	1	12.7	5.83	49.0	126	93.8	41	302	58
1976	Aberdeen, ID	11ARS189-3	2	38.2	93.8	54	80.7	2.7	1	10.8	5.05	47.6	107	85.7	35	269	51
1977	Aberdeen, ID	11ARS189-5	2	39.4	97	47	81.0	2.6	1	12.1	5.43	46.2	122	103.4	57	292	64
1978	Aberdeen, ID	11ARS193-1	2	30.8	72	51	75.1	2.4	1	13.9	5.19	37.9	143	87.4	56	256	35

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1979	Aberdeen, ID	11ARS193-3	2	34.9	93.9	39	80.8	1.9	1	10.8	4.84	47.6	114	100.1	25	247	49
1980	Aberdeen, ID	11ARS193-5	2	36.4	91.3	46	80.0	2.8	1	13.7	6.05	47.0	167	109.0	26	315	40
1981	Aberdeen, ID	11ARS197-1	2	34.7	83.6	53	80.5	2.0	1	12.6	5.08	41.4	99	83.1	46	277	50
1982	Aberdeen, ID	11ARS197-2	2	41.5	93.8	48	78.9	2.4	1	11.4	5.13	45.5	94	97.0	39	272	56
1983	Aberdeen, ID	Harrington	2	38.4	93.9	49	81.1	1.9	1	11.7	4.99	45.3	108	84.5	121	257	60
1984	Aberdeen, ID	ACMetcalfe	2	34.2	85.2	53	79.2	2.5	1	13.5	5.46	40.9	137	95.4	44	283	47
1985	Aberdeen, ID	CDC Copeland	2	36.5	91.9	45	77.6	2.7	1	15.6	6.23	40.3	161	88.8	54	291	38
1986		HARRINGTON MALT CHECK	2	41.6	97.32	75	82.6	1.9	1	11.8	4.93	42.4	104	86.1	104	245	62
1987	Aberdeen, ID	CDC Kindersley	2	36.0	93.2	49	80.6	2.7	1	12.4	5.55	47.3	130	86.2	27	273	57
1988	Aberdeen, ID	Conrad	2	36.2	95.9	47	81.2	2.3	1	11.5	4.89	44.0	100	94.9	47	264	58
1989	Aberdeen, ID	Merit57	2	33.7	85.6	50	80.1	2.5	1	13.0	5.52	42.8	135	112.4	53	284	55
1990	Aberdeen, ID	Voyager	2	35.9	94.9	52	80.2	3.1	1	11.5	5.36	46.7	124	91.9	31	279	62
1991	Aberdeen, ID	M69	2	32.1	74.6	44	76.8	2.3	1	14.3	5.19	37.7	123	83.9	56	278	35
1992	nell, Caldwell and Ketola Farm, Ithaca,	6Ab08-X03W012-5	6	35.9	90.9	47	79.1	n.d.	3	10.1	3.87	40.3	115	57.1	216	180	32
1993	nell, Caldwell and Ketola Farm, Ithaca,	2Ab08-X05W061-208	2	36.4	92.7	32	82.7	2.5	1	9.2	4.57	50.4	60	81.6	168	216	41
1994	nell, Caldwell and Ketola Farm, Ithaca,	SY209-72	2	44.3	96.1	41	81.3	n.d.	3	9.2	3.95	43.3	71	35.4	60	170	37
1995	nell, Caldwell and Ketola Farm, Ithaca,	10467r2	6	40.1	96.9	47	82.0	3.0	2	10.8	4.45	43.6	101	47.5	85	207	47
1996	nell, Caldwell and Ketola Farm, Ithaca,	WintMalt	2	45.6	98.2	39	78.9	3.5	1	11.4	5.27	46.8	64	43.0	39	292	54
1997	nell, Caldwell and Ketola Farm, Ithaca,	KWS Scala	2	45.4	98.9	38	80.9	n.d.	3	10.4	4.48	43.7	65	43.0	64	226	50
1998	nell, Caldwell and Ketola Farm, Ithaca,	Endeavor	2	35.8	87.1	53	81.9	2.3	1	10.0	4.58	49.5	86	86.1	246	219	39
1999	nell, Caldwell and Ketola Farm, Ithaca,	Mystic	2	47.1	99.4	43	80.9	2.6	1	11.1	4.57	43.8	122	42.6	31	218	64
2000	nell, Caldwell and Ketola Farm, Ithaca,	KWS Liga	2	43.8	96.2	39	79.5	4.6	1	10.9	4.87	45.7	57	37.6	79	217	48
2001	nell, Caldwell and Ketola Farm, Ithaca,	02Ab431	2	38.9	94.4	35	82.1	3.7	1	9.9	5.22	54.7	56	74.9	49	270	50
2002	nell, Caldwell and Ketola Farm, Ithaca,	KWS Ariane	2	46.4	97.7	46	78.9	4.9	2	11.8	4.88	42.9	87	45.1	114	206	49
2003	nell, Caldwell and Ketola Farm, Ithaca,	KW 2-117	2	47.4	97.5	51	80.8	2.5	1	11.3	4.12	40.2	133	42.6	33	178	55
2004	nell, Caldwell and Ketola Farm, Ithaca,	Charles	2	40.8	96.8	40	82.3	2.8	1	10.5	4.89	47.7	92	87.5	138	231	48
2005	nell, Caldwell and Ketola Farm, Ithaca,	10467r4	6	39.0	97	54	81.5	2.9	2	9.8	4.25	45.3	82	48.1	39	190	42
2006	nell, Caldwell and Ketola Farm, Ithaca,	Archer	2	49.1	97.9	45	79.0	n.d.	3	10.9	4.27	40.2	55	31.4	246	172	27
2007	nell, Caldwell and Ketola Farm, Ithaca,	Saturn	6	40.7	96.4	37	76.4	n.d.	3	9.8	3.66	40.3	82	38.8	452	131	15
2008	nell, Caldwell and Ketola Farm, Ithaca,	Salanandre	2	48.5	97.8	50	81.6	1.9	1	10.5	3.96	38.5	97	49.7	151	158	31
2009	nell, Caldwell and Ketola Farm, Ithaca,	02Ab671	2	37.4	95.7	27	81.8	4.3	2	9.8	5.00	52.2	63	82.0	92	234	47
2010	nell, Caldwell and Ketola Farm, Ithaca,	Sytepee (SY209-66)	2	48.5	98.4	36	79.9	2.5	1	12.4	4.87	39.3	156	54.7	45	189	60
2011	nell, Caldwell and Ketola Farm, Ithaca,	California	2	51.0	98.1	45	80.5	2.9	2	11.7	4.45	38.1	112	44.5	135	189	49
2012	nell, Caldwell and Ketola Farm, Ithaca,	10467p2	6	36.8	94.8	38	78.9	2.6	1	11.2	4.21	37.8	97	45.0	271	166	28
2013	nell, Caldwell and Ketola Farm, Ithaca,	03/220/158	6	38.6	96	53	80.0	3.0	1	10.3	3.88	37.7	112	49.6	192	173	31
2014	nell, Caldwell and Ketola Farm, Ithaca,	LCS Genie	2	34.9	93.7	24	82.1	3.7	1	10.5	5.22	50.3	111	97.8	50	212	52
2015	nell, Caldwell and Ketola Farm, Ithaca,	Cerveza	2	35.1	87.1	40	83.0	n.d.	3	10.5	6.08	58.4	41	71.7	61	252	37
2016	nell, Caldwell and Ketola Farm, Ithaca,	M156	6	32.5	94.7	46	80.9	6.7	2	10.8	5.90	56.5	63	73.8	109	269	48
2017		LACEY MALT CHECK	6	33.4	89.5	40	79.3	2.6	1	13.5	5.57	42.9	173	94.7	36	260	65
2018	nell, Caldwell and Ketola Farm, Ithaca,	M159	6	34.1	97	43	80.4	n.d.	3	10.7	7.31	67.5	45	66.0	73	317	44
2019	nell, Caldwell and Ketola Farm, Ithaca,	M152	6	33.6	93.8	45	80.2	n.d.	3	11.5	6.06	55.8	88	66.5	53	283	49
2020	nell, Caldwell and Ketola Farm, Ithaca,	KWS Irina	2	33.0	85.4	21	83.0	n.d.	3	9.2	5.51	64.6	34	74.3	83	263	44
2021	nell, Caldwell and Ketola Farm, Ithaca,	KWS Thinka	2	37.9	92.2	23	82.7	n.d.	3	10.1	5.70	56.6	46	80.7	50	298	42

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2022	nell, Caldwell and Ketola Farm, Ithaca,	M158	6	33.7	92.2	37	81.0	3.8	1	11.0	5.33	51.6	87	87.1	182	247	46
2023	nell, Caldwell and Ketola Farm, Ithaca,	M157	6	34.7	96.5	43	80.9	n.d.	3	10.5	7.30	65.1	41	62.1	65	328	44
2024	nell, Caldwell and Ketola Farm, Ithaca,	Lacey	6	33.3	95.1	43	81.0	7.9	2	10.6	5.92	54.8	62	65.5	84	263	48
2025	nell, Caldwell and Ketola Farm, Ithaca,	KWS Thessa	2	37.2	90.1	28	82.6	6.4	2	9.5	5.42	58.7	49	86.7	45	266	47
2026	nell, Caldwell and Ketola Farm, Ithaca,	KWS 10/310	2	37.0	91.9	31	83.2	n.d.	3	9.4	5.60	64.2	36	82.5	37	285	46
2027	nell, Caldwell and Ketola Farm, Ithaca,	Quest	6	33.1	92.3	41	80.9	4.6	1	10.1	5.36	55.6	73	82.4	172	240	46
2028	nell, Caldwell and Ketola Farm, Ithaca,	Newdale	2	34.0	87.5	37	82.6	n.d.	3	10.1	6.40	65.6	33	65.2	27	276	37
2029	nell, Caldwell and Ketola Farm, Ithaca,	Conlon	2	39.6	97.3	36	82.0	4.8	2	10.2	5.20	55.1	64	76.0	210	234	42
2030	nell, Caldwell and Ketola Farm, Ithaca,	Herta	2	39.0	97.1	36	81.2	5.1	1	9.7	4.68	52.0	55	72.8	184	207	43
2031	nell, Caldwell and Ketola Farm, Ithaca,	AAC Synergy	2	36.6	92.8	34	82.5	n.d.	3	9.5	6.17	65.1	24	58.3	32	279	39
2032	McVile, ND	CONLON	2	42.3	98.1	24	82.9	3.4	1	11.9	5.01	43.7	112	71.6	362	218	60
2033	McVile, ND	PINNACLE	2	40.7	95.1	23	82.2	4.1	1	11.0	4.88	45.6	88	63.1	205	204	55
2034	McVile, ND	LACEY	6	34.4	96.4	26	81.5	4.3	1	12.9	5.93	47.7	125	70.4	124	262	54
2035	McVile, ND	2ND25276	2	36.0	93.8	23	83.5	5.8	1	10.7	5.45	54.4	86	85.5	136	247	44
2036	McVile, ND	2ND33730	2	37.7	94.9	24	82.3	4.2	1	11.1	5.32	49.0	79	72.3	87	253	53
2037	McVile, ND	2ND33732	2	40.5	96.9	20	81.6	4.1	1	11.2	5.04	47.4	83	78.2	209	221	50
2038	McVile, ND	2ND33733	2	39.1	96.8	21	82.5	3.4	1	11.5	5.28	46.4	101	88.8	148	245	60
2039	McVile, ND	2ND33735	2	37.2	95.6	23	81.9	3.0	1	12.3	5.10	44.5	117	62.3	139	229	58
2040	McVile, ND	2ND33736	2	39.2	97.8	17	82.3	4.4	1	11.1	5.39	48.9	115	97.3	81	249	59
2041	McVile, ND	2ND33737	2	41.5	97.8	21	82.5	5.3	1	11.3	5.99	54.3	106	92.3	59	271	57
2042	McVile, ND	2ND33738	2	38.8	95.6	21	82.5	4.1	1	11.6	5.47	47.7	88	79.7	78	246	55
2043	McVile, ND	2ND33739	2	36.4	94.2	21	82.1	4.6	1	11.7	5.62	48.4	89	86.3	50	258	49
2044	McVile, ND	2ND33740	2	37.4	95.6	25	82.3	2.8	1	11.9	5.17	45.6	113	96.2	101	238	58
2045	McVile, ND	2ND33741	2	38.8	95.3	20	82.0	2.3	1	10.5	4.38	43.0	91	81.4	131	205	47
2046	McVile, ND	2ND33742	2	38.4	97.4	24	82.3	4.9	1	11.6	6.11	55.4	94	99.1	57	305	48
2047	McVile, ND	2ND33744	2	38.8	95.1	23	81.8	2.8	1	11.6	4.76	44.8	95	86.3	132	236	56
2048		HARRINGTON MALT CHECK	2	41.2	96.1	73	82.9	2.0	1	11.1	4.71	44.4	99	88.4	114	249	58
2049	McVile, ND	2ND33745	2	40.5	96.5	20	82.1	3.1	1	12.0	5.49	47.5	112	90.6	141	274	57
2050	McVile, ND	2ND33746	2	39.9	94.6	18	82.1	3.2	1	10.5	4.70	47.5	109	80.9	130	234	50
2051	McVile, ND	2ND33747	2	38.7	97.7	22	83.0	3.5	1	11.0	5.11	49.0	101	80.4	155	231	52
2052	McVile, ND	2ND33748	2	39.2	96.3	26	83.1	3.4	1	10.5	4.96	48.6	90	83.0	139	233	46
2053	McVile, ND	2ND33749	2	41.2	96.6	28	83.0	3.7	1	12.8	6.07	48.2	97	88.1	158	284	43
2054	McVile, ND	2ND33750	2	38.5	90	23	82.9	3.0	1	11.2	5.27	48.1	91	79.7	102	245	51
2055	McVile, ND	2ND33751	2	40.3	94.1	20	83.0	3.2	1	11.9	5.47	50.3	81	74.1	113	251	53
2056	McVile, ND	2ND33752	2	38.7	96	18	82.8	3.8	1	10.5	4.96	51.2	87	85.2	64	241	50
2057	McVile, ND	2ND33754	2	40.0	95.3	26	83.1	3.4	1	11.2	5.29	47.6	93	72.6	102	251	53
2058	McVile, ND	2ND33755	2	41.8	97.6	27	82.7	2.8	1	12.1	5.35	46.6	100	72.8	161	252	55
2059	McVile, ND	2ND33756	2	41.6	95.8	26	83.6	3.3	1	10.3	5.04	50.3	88	80.4	124	232	48
2060	McVile, ND	2ND33757	2	39.5	95.3	24	84.0	3.6	1	10.7	5.23	52.8	85	74.8	100	249	46
2061	McVile, ND	2ND33758	2	40.6	95	28	85.0	3.6	1	11.8	5.71	51.3	91	79.2	125	271	49
2062	McVile, ND	2ND33759	2	39.4	94.4	24	84.1	3.1	1	10.7	5.06	48.2	82	71.1	143	248	46
2063	McVile, ND	2ND33760	2	39.5	93.5	22	84.7	3.6	1	10.9	5.31	49.7	81	71.4	112	262	46
2064	McVile, ND	2ND33761	2	42.4	96.7	23	84.1	2.8	1	10.7	4.95	48.6	96	81.8	300	251	46

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2065	McVille, ND	2ND33762	2	39.6	94.5	26	84.5	3.1	1	10.7	5.01	49.2	104	80.0	154	233	47
2066	McVille, ND	2ND33763	2	37.9	93.9	20	82.5	3.4	1	11.5	5.25	48.1	97	77.4	110	239	49
2067	McVille, ND	CONLON	2	41.8	97.8	24	82.5	2.2	1	12.4	4.80	40.2	115	83.8	421	214	59
2068	McVille, ND	PINNACLE	2	40.9	95.8	21	82.2	2.9	1	11.0	4.70	45.5	96	71.6	299	207	55
2069	McVille, ND	LACEY	6	33.9	95.7	23	81.3	3.2	1	12.7	5.70	45.6	134	77.1	129	253	59
2070	McVille, ND	2ND25276	2	35.8	93	20	83.6	4.6	1	10.8	5.49	54.5	84	94.2	136	250	44
2071	McVille, ND	2ND33764	2	36.9	93.8	28	82.8	3.4	1	11.4	5.37	47.6	77	73.4	144	248	49
2072	McVille, ND	2ND33765	2	38.3	94	30	83.2	3.6	1	11.0	5.55	52.8	84	78.6	314	268	48
2073	McVille, ND	2ND33766	2	38.6	94.7	30	84.3	4.2	1	11.7	6.16	55.4	97	76.7	267	313	41
2074	McVille, ND	2ND33767	2	39.0	95.6	34	82.9	2.6	1	12.0	5.13	44.9	85	70.6	173	234	53
2075	McVille, ND	2ND33768	2	39.3	95.9	33	83.5	3.1	1	11.8	5.45	48.7	78	71.5	121	253	51
2076	McVille, ND	2ND33769	2	38.5	93.4	31	82.9	3.2	1	11.3	5.23	47.3	98	71.6	129	252	51
2077	McVille, ND	2ND33770	2	38.9	95.1	30	83.0	3.1	1	11.3	5.31	48.1	117	73.3	90	246	59
2078	McVille, ND	2ND33772	2	40.1	95.3	28	82.7	2.9	1	11.3	5.12	47.4	131	72.7	141	242	60
2079		HARRINGTON MALT CHECK	2	42.5	96.4	74	82.3	2.1	1	11.4	4.95	46.9	109	93.8	75	242	67
2080	McVille, ND	2ND33773	2	37.7	95.8	31	83.4	2.8	1	11.4	5.03	46.0	112	71.4	173	242	55
2081	McVille, ND	2ND33774	2	39.7	94.2	34	83.7	3.1	1	11.0	5.17	47.4	104	72.0	115	248	55
2082	McVille, ND	2ND33775	2	37.7	93.2	33	82.6	3.8	1	11.2	5.38	48.7	74	72.7	98	257	53
2083	McVille, ND	2ND33776	2	37.9	95.9	33	82.7	4.0	1	11.2	5.57	51.3	89	76.6	132	255	49
2084	McVille, ND	2ND33777	2	36.8	94.9	33	82.5	3.8	1	11.7	5.66	50.3	85	72.7	79	274	49
2085	McVille, ND	2ND33778	2	39.5	96	35	83.2	3.8	1	11.4	5.49	50.5	97	74.9	83	264	55
2086	McVille, ND	2ND33779	2	37.7	94.7	32	82.2	3.0	1	11.6	5.11	46.2	89	80.9	113	241	54
2087	McVille, ND	2ND33780	2	38.1	95.7	30	83.7	3.6	1	11.2	5.46	50.5	109	83.8	130	262	55
2088	McVille, ND	2ND33785	2	37.4	93.3	26	82.8	3.0	1	11.3	4.97	46.0	96	76.1	109	241	54
2089	McVille, ND	2ND33787	2	39.3	99.47	33	82.8	3.9	1	10.8	4.99	48.3	85	81.7	139	232	46
2090	McVille, ND	2ND33788	2	39.7	95.6	28	82.4	3.3	1	10.5	4.80	47.1	100	78.6	128	213	46
2091	McVille, ND	2ND33789	2	40.7	96.6	28	83.0	3.9	1	11.1	5.36	49.2	108	79.1	103	276	57
2092	McVille, ND	2ND33791	2	38.4	94.8	28	82.8	3.9	1	11.2	5.45	50.7	108	70.5	100	252	55
2093	McVille, ND	2ND33792	2	40.5	96.4	31	83.4	3.1	1	10.8	4.98	48.8	105	69.3	129	221	52
2094	McVille, ND	2ND33793	2	39.0	96.4	27	82.3	3.7	1	10.5	4.89	47.2	100	74.0	110	220	50
2095	McVille, ND	2ND33794	2	38.8	96.1	30	83.7	3.7	1	10.9	5.14	51.3	99	66.7	122	242	46
2096	McVille, ND	2ND33796	2	39.4	95.6	25	82.5	3.5	1	11.5	5.18	47.2	98	65.7	87	237	55
2097	McVille, ND	2ND33797	2	38.8	94.6	25	82.1	3.2	1	11.0	4.99	46.9	77	68.3	105	225	56
2098	McVille, ND	2ND33798	2	39.9	94.7	26	83.3	2.9	1	10.8	5.12	49.4	107	79.8	131	235	50
2099	McVille, ND	2ND33799	2	41.9	96.7	34	84.0	3.0	1	10.5	5.33	53.9	100	79.3	126	247	52
2100	McVille, ND	2ND33800	2	40.1	94.7	30	83.7	2.6	1	11.2	5.25	48.7	102	67.4	103	234	57
2101	St. Paul, MN	M156 (FEG234-18)	6	34.4	93.3	59	79.4	2.6	2	13.5	5.67	43.0	165	66.7	402	262	62
2102	St. Paul, MN	Tradition	6	34.2	88.9	60	78.7	2.6	2	14.0	5.49	40.5	200	66.9	333	253	44
2103	St. Paul, MN	Stellar-ND	6	35.5	91.1	64	78.7	2.9	1	14.6	6.45	47.2	194	79.1	285	316	38
2104	St. Paul, MN	MS11S3091-010	6	33.4	75	70	80.2	2.6	1	13.8	5.78	44.3	160	69.7	273	274	52
2105	St. Paul, MN	M157 (FEG260-09)	6	35.2	90.4	66	80.9	2.7	1	13.4	6.07	47.6	149	72.1	374	299	51
2106	St. Paul, MN	MS11S3007-002	6	36.5	90.8	53	79.7	3.0	1	13.8	6.51	47.5	146	62.4	310	301	46
2107	St. Paul, MN	M159 (MS10S4013-019)	6	35.2	93.9	57	80.9	3.0	1	13.3	6.55	50.5	148	77.5	298	343	51

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2108	St. Paul, MN	Rasmusson	6	36.3	89.6	56	80.6	2.8	1	13.4	6.07	49.0	164	73.9	206	316	51
2109	St. Paul, MN	M160 (FEG250-16)	6	34.0	84.5	59	79.4	2.6	1	13.5	5.42	42.0	147	68.1	263	257	58
2110		LACEY MALT CHECK	6	33.0	88.7	41	80.2	2.5	1	13.8	5.82	45.1	172	85.0	56	302	61
2111	St. Paul, MN	M158 (MS10S4001-013)	6	33.9	82.5	59	79.5	2.4	1	13.4	5.51	44.1	145	66.3	374	255	63
2112	St. Paul, MN	MS11S3090-020	6	33.6	87.1	58	78.8	2.5	1	12.9	5.53	43.1	81	58.1	278	270	53
2113	St. Paul, MN	M152 (FEG212-01)	6	36.5	92.6	60	80.2	2.7	1	13.7	6.07	47.7	177	60.2	218	300	46
2114	St. Paul, MN	2ND25276	6	39.5	90.5	46	81.6	3.1	1	11.0	5.27	49.0	80	72.3	263	252	46
2115	St. Paul, MN	MS11S3056-011	6	35.8	91.7	62	80.2	2.6	1	13.3	5.97	46.5	146	73.4	342	287	59
2116	St. Paul, MN	MS11S3078-006	6	37.2	93.3	54	81.2	3.4	1	13.5	6.68	51.5	140	89.7	141	326	49
2117	St. Paul, MN	MS11S3016-014	6	31.3	73.1	60	80.1	2.3	1	11.6	5.05	45.4	108	64.6	270	263	49
2118	St. Paul, MN	M162 (MS10S4001-008)	6	35.2	93.2	61	80.0	2.4	1	13.5	5.80	44.0	166	73.7	200	301	54
2119	St. Paul, MN	MS11S3021-003	6	34.5	89.7	67	79.4	2.3	1	13.4	5.66	44.6	142	66.3	247	267	63
2120	St. Paul, MN	Rawson	6	49.0	97.4	39	80.9	3.5	1	13.0	6.25	48.2	66	59.0	124	298	47
2121	St. Paul, MN	MS11S3024-022	6	32.3	80.2	61	79.3	2.4	1	14.1	6.13	44.3	144	62.3	414	277	46
2122	St. Paul, MN	Celebration	6	33.8	88.3	60	80.6	3.1	1	13.5	6.72	52.7	167	88.9	119	333	53
2123	St. Paul, MN	MS11S3016-001	6	30.1	66.1	58	79.4	2.4	1	12.3	5.11	43.0	122	64.7	278	236	50
2124	St. Paul, MN	MS11S3090-011	6	35.9	89.2	64	79.9	2.6	1	13.6	6.33	47.7	177	84.5	292	305	46
2125	St. Paul, MN	Innovation	6	34.1	89.8	65	80.5	2.1	1	13.1	5.63	44.8	164	72.3	347	254	63
2126	St. Paul, MN	Quest	6	34.2	89.4	61	79.4	2.1	1	13.7	5.59	42.9	166	71.8	358	249	58
2127	St. Paul, MN	MS11S3058-010	6	33.9	91.2	59	81.7	2.5	1	12.8	6.16	50.8	169	82.3	307	281	51
2128	St. Paul, MN	Robust	6	35.6	90	55	78.7	2.2	1	15.3	6.29	43.7	196	60.3	356	272	43
2129	St. Paul, MN	M161 (MS10S4012-008)	6	35.0	91.4	68	80.7	2.5	1	13.2	6.23	50.0	179	80.7	337	315	51
2130	St. Paul, MN	MS11S3058-019	6	33.9	89	64	81.3	2.4	1	12.8	5.91	47.0	175	83.8	332	293	54
2131	St. Paul, MN	MS11S3058-012	6	32.8	88.3	59	80.7	2.6	1	12.9	6.28	50.0	165	78.7	412	306	51
2132	St. Paul, MN	Pinnacle	6	44.7	95	45	81.2	2.4	1	12.4	5.36	45.1	106	66.3	234	233	56
2133	St. Paul, MN	MS11S3038-016	6	34.6	95.6	59	80.1	2.2	1	13.3	5.76	43.8	180	73.8	303	255	59
2134	St. Paul, MN	MS11S3058-021	6	33.7	90.9	56	80.5	2.6	1	13.2	6.22	49.0	189	90.7	241	307	51
2135	St. Paul, MN	Conlon	6	43.2	95.4	57	79.8	2.8	1	13.6	5.67	41.8	139	76.4	359	243	50
2136	St. Paul, MN	Lacey	6	37.4	93	50	78.4	2.4	1	14.3	5.79	40.6	172	69.3	201	243	41
2137	St. Paul, MN	MS11S3059-001	6	34.6	88	56	79.3	2.5	1	13.4	5.70	43.1	169	66.8	324	243	59
2138	St. Paul, MN	Tradition	6	33.5	91.5	44	77.6	2.1	1	14.3	4.61	34.4	212	77.5	190	189	26
2139	St. Paul, MN	MS11S3059-001	6	34.7	90	41	77.9	2.0	1	13.9	5.03	37.7	191	65.8	216	199	41
2140	St. Paul, MN	MS11S3078-006	6	38.4	95	34	79.4	3.0	1	13.7	5.78	43.2	178	92.7	132	225	57
2141		LACEY MALT CHECK	6	33.2	87.6	40	79.2	2.7	1	13.2	5.77	44.4	170	88.5	31	271	66
2142	St. Paul, MN	MS11S3058-010	6	32.8	90.3	42	79.2	2.5	1	13.8	5.48	41.7	176	79.1	229	204	53
2143	St. Paul, MN	Lacey	6	35.1	92	38	78.0	2.5	1	14.1	5.01	36.8	173	65.5	102	176	40
2144	St. Paul, MN	MS11S3016-014	6	32.5	91.8	40	78.4	2.2	1	11.9	4.21	35.6	120	63.5	130	190	42
2145	St. Paul, MN	2ND25276	6	43.2	96.6	39	81.5	2.7	1	11.2	4.74	44.7	112	81.4	137	198	45
2146	St. Paul, MN	Celebration	6	32.5	85.8	48	80.3	2.9	1	13.0	6.21	51.4	167	94.6	110	260	58
2147	St. Paul, MN	Conlon	6	44.3	97.2	38	78.6	2.2	1	13.6	4.13	31.3	114	62.0	302	136	31
2148	St. Paul, MN	MS11S3038-016	6	35.7	96.6	41	78.9	1.9	1	13.3	4.88	36.9	191	72.3	180	178	46
2149	St. Paul, MN	MS11S3024-022	6	31.7	77.2	41	77.5	2.2	1	14.3	5.24	37.8	160	62.1	302	183	30
2150	St. Paul, MN	MS11S3090-020	6	36.4	96.5	51	76.9	2.0	1	14.9	4.90	34.7	166	70.5	124	184	32

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2151	St. Paul, MN	MS11S3090-011	6	36.2	94.6	38	77.1	2.3	1	15.3	5.09	35.4	168	73.5	240	181	29
2152	St. Paul, MN	MS11S3058-012	6	35.9	96.6	45	78.5	2.4	1	13.5	5.32	40.3	180	82.0	223	218	50
2153	St. Paul, MN	Robust	6	36.3	94.3	33	76.9	2.1	1	14.8	4.89	33.9	182	55.3	164	176	32
2154	St. Paul, MN	MS11S3058-019	6	34.6	93.8	42	79.9	2.4	1	12.7	5.08	42.9	174	80.6	129	196	60
2155	St. Paul, MN	MS11S3091-010	6	36.4	90.6	42	77.8	2.1	1	14.2	4.73	33.4	165	65.2	184	179	30
2156	St. Paul, MN	M162 (MS10S4001-008)	6	34.5	93.2	39	77.3	2.4	1	14.1	4.69	33.4	166	70.8	166	175	29
2157	St. Paul, MN	M157 (FEG260-09)	6	34.1	89.5	45	78.2	2.7	1	14.2	5.47	41.0	142	78.0	341	239	42
2158	St. Paul, MN	MS11S3007-002	6	38.1	96.9	44	78.0	2.3	1	13.1	4.96	39.9	197	71.5	293	205	48
2159	St. Paul, MN	MS11S3058-021	6	32.0	89.1	42	80.2	2.5	1	13.1	5.23	41.3	182	89.7	217	250	57
2160	St. Paul, MN	MS11S3021-003	6	33.8	95.4	53	79.1	2.0	1	13.2	4.88	37.5	172	73.5	191	202	54
2161	St. Paul, MN	MS11S3016-001	6	33.5	94.7	47	80.1	2.1	1	11.0	4.20	40.5	126	69.8	148	192	44
2162	St. Paul, MN	MS11S3056-011	6	36.0	94	45	78.3	2.1	1	13.5	4.61	35.7	173	72.9	265	187	43
2163	St. Paul, MN	Quest	6	35.6	93.4	33	78.7	2.3	1	13.3	5.02	39.9	177	74.5	346	236	51
2164	St. Paul, MN	M156 (FEG234-18)	6	33.6	95.2	45	79.4	2.4	1	12.2	4.62	38.6	197	76.7	228	207	51
2165	St. Paul, MN	M161 (MS10S4012-008)	6	35.8	95.5	45	79.6	2.6	1	13.8	5.72	44.2	205	90.8	192	278	54
2166	St. Paul, MN	M152 (FEG212-01)	6	35.4	94.1	37	78.4	2.6	1	13.2	5.02	38.2	180	63.6	208	215	51
2167	St. Paul, MN	Rasmusson	6	35.3	84.5	39	78.9	2.8	1	12.8	5.08	40.0	176	78.1	176	216	51
2168	St. Paul, MN	Stellar-ND	6	36.3	96.4	41	77.4	2.3	1	14.6	5.01	34.6	213	74.9	196	206	34
2169	St. Paul, MN	M158 (MS10S4001-013)	6	33.7	84.7	40	77.4	2.3	2	13.5	4.69	35.1	150	68.0	319	189	30
2170	St. Paul, MN	M160 (FEG250-16)	6	34.7	91.9	41	76.7	2.3	2	14.5	4.55	31.5	180	76.2	173	194	28
2171	St. Paul, MN	Rawson	6	50.3	98	47	80.3	2.6	1	12.5	5.05	41.2	107	75.1	291	217	47
2172		LACEY MALT CHECK	6	32.8	90.3	45	79.3	2.5	1	13.4	5.64	44.0	187	94.3	37	256	70
2173	St. Paul, MN	M159 (MS10S4013-019)	6	33.6	90.3	39	78.5	2.2	1	14.1	5.45	39.6	199	95.0	207	232	45
2174	St. Paul, MN	Pinnacle	6	45.1	97.1	35	78.8	2.3	1	12.7	3.97	32.5	121	54.7	278	140	40
2175	St. Paul, MN	Innovation	6	33.6	90.1	35	78.2	2.4	1	14.1	5.21	37.1	183	74.2	231	205	42
2176	Corvallis, OR	14BB5	6	40.1	95.5	0	80.7	2.3	2	11.2	3.59	34.2	77	37.9	738	109	26
2177	Corvallis, OR	14BB6	6	39.8	95.8	0	81.8	2.3	2	12.5	3.81	31.2	74	38.4	727	128	31
2178	Corvallis, OR	14BB13	6	41.2	93.1	0	81.5	2.5	1	11.0	3.45	32.9	60	42.3	666	109	31
2179	Corvallis, OR	14BB14	6	40.8	94.7	0	83.1	2.5	1	11.4	3.61	31.9	76	39.8	659	125	27
2180	Corvallis, OR	14BB17	6	40.4	95.7	0	82.1	2.6	1	11.4	3.46	30.4	76	37.7	748	110	27
2181	Corvallis, OR	14BB21	6	38.9	93	0	81.6	1.8	1	10.8	3.18	30.3	60	34.7	757	97	27
2182	Corvallis, OR	14BB23	6	40.7	91	0	81.7	1.7	1	10.9	2.94	29.0	70	30.2	795	92	27
2183	Corvallis, OR	14BB24	6	40.4	93.8	0	83.2	1.8	1	11.3	3.69	34.3	70	40.9	717	127	31
2184	Corvallis, OR	14BB25	6	38.9	95.2	0	83.1	1.6	1	11.9	3.68	31.1	89	48.3	622	134	36
2185	Corvallis, OR	14BB27	6	40.4	95.7	0	83.0	1.7	1	11.2	3.34	30.2	63	40.6	733	113	31
2186	Corvallis, OR	14BB28	6	36.5	91.9	0	82.7	1.9	1	12.3	3.99	32.8	107	49.8	642	154	36
2187	Corvallis, OR	Maris Mink	2	40.6	91.6	52	79.7	2.8	2	10.0	3.17	33.8	57	59.0	435	135	29
2188	Pullman, WA	Champion	2	36.4	78.3	76	76.4	2.4	2	13.3	3.48	26.3	77	45.8	636	136	10
2189	Pullman, WA	10WA-122.9	2	29.9	25.3	49	77.2	n.d.	3	16.3	3.55	22.2	81	37.5	889	102	0
2190	Pullman, WA	X07G25-T41	2	33.2	67.5	73	72.6	n.d.	3	15.2	3.35	22.6	76	49.0	877	118	4
2191	Pullman, WA	10WA-122.12	2	31.6	45.5	74	77.8	n.d.	3	16.5	3.83	23.4	75	44.1	815	125	4
2192	Pullman, WA	09WA-265.12	2	33.2	47.8	59	79.1	n.d.	3	15.3	3.84	25.6	79	50.5	852	126	11
2193	Pullman, WA	10WA-118.7	2	32.6	44.1	61	78.7	2.7	1	16.0	4.68	29.4	107	51.5	817	144	24

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2194	Pullman, WA	X05013-T44	2	32.1	67.4	47	79.0	n.d.	3	17.3	3.94	23.0	105	50.4	794	116	15
2195	Pullman, WA	10WA-101.24	2	37.2	86.8	68	74.7	n.d.	3	13.5	3.74	28.3	55	40.3	667	122	7
2196	Pullman, WA	X06G11-T90	2	30.5	44.7	57	81.9	n.d.	3	15.2	3.68	25.6	60	47.2	843	112	14
2197	Pullman, WA	10WA-127.10	2	31.3	57.3	47	81.0	n.d.	3	15.8	4.12	27.0	80	50.7	775	133	17
2198	Pullman, WA	10WA-109.6	2	35.1	58.8	64	81.4	2.8	2	14.1	4.18	30.5	85	57.8	845	147	21
2199	Pullman, WA	10WA-101.13	2	36.0	84.7	75	72.2	3.1	2	15.2	3.73	24.8	79	41.1	743	128	5
2200	Pullman, WA	10WA-127.9	2	31.1	35	44	80.3	n.d.	3	15.0	3.65	24.9	63	42.4	836	111	11
2201	Pullman, WA	X05013-T151	2	36.0	91.7	76	74.3	n.d.	3	14.7	3.87	27.8	72	45.5	846	126	9
2202	Pullman, WA	10WA-118.13	2	30.7	40.2	68	80.9	n.d.	3	14.7	3.82	27.0	82	46.3	894	116	11
2203		HARRINGTON MALT CHECK	2	40.7	96.8	74	82.6	1.8	1	11.8	4.72	41.3	102	83.4	224	208	59
2204	Pullman, WA	X07G18-T116	2	34.0	59.9	50	81.1	2.6	2	14.9	3.70	25.1	72	36.0	892	114	11
2205	Pullman, WA	Transit	2	34.0	44	73	81.2	3.0	2	15.0	3.96	27.5	93	45.4	1115	132	15
2206	Pullman, WA	09WA-266.3	2	32.9	81.5	76	76.4	2.5	2	13.3	3.37	25.9	87	40.1	537	126	10
2207	Pullman, WA	10WA-120.4	2	32.0	46.5	57	79.8	n.d.	3	15.2	3.64	24.3	58	47.0	1153	122	11
2208	Pullman, WA	X0626-T229	2	33.1	63.7	55	78.7	3.0	2	15.3	4.01	26.6	77	46.5	1121	149	12
2209	Pullman, WA	Meresse	2	34.5	76	76	74.8	n.d.	3	13.7	3.18	24.2	61	48.9	1185	114	4
2210	Pullman, WA	X07G12-T111	2	35.4	78.8	84	73.2	2.7	2	14.7	3.41	24.7	54	38.1	1188	119	1
2211	Pullman, WA	X06G03-T24	2	31.0	40.1	63	80.8	n.d.	3	14.7	3.24	22.4	90	42.6	1247	103	11
2212	Pullman, WA	X07G31-T120	2	33.8	66.4	75	76.8	2.2	1	15.4	3.72	25.4	93	49.0	1052	137	6
2213	Pullman, WA	10WA-109.18	2	31.9	63.6	80	74.4	3.0	2	14.3	3.43	25.0	59	41.5	1111	114	5
2214	Pullman, WA	X07G25-T70	2	33.8	36.4	46	83.9	n.d.	3	16.0	4.44	28.4	91	67.7	880	168	24
2215	Pullman, WA	10WA-130.5	2	32.6	55.5	60	77.6	2.9	2	15.0	3.47	24.2	72	30.1	1337	94	1
2216	Pullman, WA	X07G30-T63	2	36.8	66.3	51	79.2	n.d.	3	16.2	3.74	24.2	118	44.2	1276	122	12
2217	Pullman, WA	X05056-T110	2	33.2	68.6	72	76.9	2.2	1	16.2	4.38	27.4	113	66.5	907	170	16
2218	Pullman, WA	10WA-121.3	2	34.1	87	84	73.5	3.0	2	15.9	3.98	25.8	81	54.3	1075	147	11
2219	Pullman, WA	X05013-T267	2	29.8	36.7	58	81.2	2.1	1	16.3	4.18	27.2	144	47.8	566	152	26
2220	Pullman, WA	10WA-129.7	2	32.8	69.7	87	75.5	2.1	1	14.6	3.75	26.6	108	41.5	539	140	10
2221	Pullman, WA	10WA-117.17	2	37.0	88.3	81	74.3	2.6	1	14.0	3.68	26.5	91	50.2	1124	130	12
2222	Pullman, WA	X05013-T273	2	32.7	36.3	62	77.9	3.1	1	17.7	5.28	30.1	88	48.0	1154	187	16
2223	Pullman, WA	10WA-107.8	2	29.0	55.9	95	71.1	n.d.	3	15.2	3.64	24.8	59	43.9	1281	113	4
2224	Pullman, WA	X06G03-T99	2	28.9	32	50	83.0	n.d.	3	14.6	4.04	28.4	126	45.7	533	119	24
2225	Pullman, WA	11WA-114.5	2	32.2	59.9	61	83.1	n.d.	3	13.4	3.84	29.6	73	42.1	1321	117	19
2226	Pullman, WA	10WA-118.16	2	29.9	38.9	43	82.9	n.d.	3	13.2	3.66	29.5	59	37.9	1071	118	15
2227	Pullman, WA	10WA-127.11	2	30.6	62.8	93	72.9	2.3	1	14.8	3.48	24.0	60	43.2	1166	119	6
2228	Pullman, WA	X06G03-T218	2	37.7	92.1	71	73.9	n.d.	3	11.5	3.29	31.3	47	33.8	768	114	15
2229	McVile, ND	CONLON	2	44.1	98.8	26	82.4	2.2	1	11.5	4.71	42.2	113	82.6	395	219	60
2230	McVile, ND	PINNACLE	2	41.4	96.9	22	82.1	3.0	1	10.6	4.53	45.7	94	65.3	387	220	50
2231	McVile, ND	LACEY	6	33.3	96.7	23	79.9	3.1	1	13.1	5.51	45.4	142	69.2	181	260	63
2232	McVile, ND	2ND25276	2	36.5	95.8	25	83.2	4.0	1	9.9	5.23	55.0	84	93.1	173	263	41
2233	McVile, ND	2ND33801	2	40.7	96.9	27	82.9	3.0	1	11.7	5.31	48.3	105	64.4	93	246	61
2234		HARRINGTON MALT CHECK	2	40.8	96.9	73	83.0	2.0	1	12.0	4.94	43.9	104	82.9	142	228	62
2235	McVile, ND	2ND33807	2	39.8	98.1	25	82.6	2.9	1	11.2	4.98	46.3	80	69.4	193	227	53
2236	McVile, ND	2ND33809	2	41.3	97.9	28	83.1	3.4	1	11.1	5.16	49.4	81	71.4	199	257	50

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2237	McVile, ND	2ND33811	2	39.1	96.4	26	83.2	2.8	1	9.5	4.35	48.7	86	88.1	173	228	39
2238	McVile, ND	2ND33817	2	42.7	95.8	26	82.7	3.3	1	11.6	5.33	49.4	80	71.5	151	255	51
2239	McVile, ND	2ND33818	2	39.4	93.2	27	82.4	3.5	1	11.1	5.35	50.0	75	68.9	144	263	51
2240	McVile, ND	2ND33819	2	40.7	96.1	28	82.2	3.2	1	10.6	4.98	48.2	82	71.3	281	228	45
2241	McVile, ND	2ND33821	2	44.2	98.6	24	84.1	3.3	1	11.4	5.32	49.0	65	70.7	114	268	54
2242	McVile, ND	2ND33822	2	45.4	97.7	23	83.2	2.8	1	10.5	4.51	46.9	68	60.9	229	228	51
2243	McVile, ND	2ND33823	2	41.6	98.2	23	83.4	2.9	1	10.7	4.74	48.4	77	78.1	279	249	45
2244	McVile, ND	2ND33824	2	41.0	97.4	23	83.5	2.8	1	11.2	5.00	46.6	104	84.8	208	257	59
2245	McVile, ND	2ND33827	2	44.6	98.2	30	83.0	3.3	1	11.5	5.35	50.8	107	94.6	239	271	55
2246	McVile, ND	2ND33828	2	44.9	97.6	27	83.3	2.8	1	11.2	5.25	49.7	108	93.6	264	234	55
2247	McVile, ND	2ND33830	2	42.8	97.5	26	82.2	3.0	1	10.5	4.80	47.0	105	108.4	202	228	50
2248	McVile, ND	2ND33832	2	42.9	96.9	26	82.8	3.0	1	11.0	4.96	47.6	111	108.8	149	243	53
2249	McVile, ND	2ND33833	2	40.0	97.1	26	84.1	3.3	1	11.2	5.37	52.1	100	105.2	241	255	48
2250	McVile, ND	2ND33834	2	40.2	97.7	29	83.7	3.2	1	10.6	4.99	48.6	79	100.1	225	236	45
2251	McVile, ND	2ND33836	2	46.7	98.3	25	83.2	2.7	1	11.6	5.21	48.0	134	105.1	280	227	58
2252	McVile, ND	2ND33839	2	41.9	97	27	82.8	3.2	1	11.5	5.47	48.1	115	111.7	162	262	54
2253	McVile, ND	2ND33841	2	41.0	96.8	22	82.2	3.1	1	11.5	5.30	46.5	120	109.5	152	252	59
2254	McVile, ND	2ND33842	2	40.5	97.4	27	82.3	4.3	1	11.3	5.71	51.9	126	118.1	53	282	60
2255	McVile, ND	2ND33843	2	38.9	96.9	25	82.4	2.7	1	11.6	4.97	45.2	129	93.5	127	252	63
2256	DS Farm, Wisconsin	Quest – 0 N	6	35.4	95	35	80.5	4.4	1	14.2	7.06	51.5	150	95.1	261	355	41
2257	DS Farm, Wisconsin	Quest – 30 lbs N	6	36.3	95.8	38	77.9	3.7	1	14.5	7.04	48.5	167	91.6	315	355	35
2258	DS Farm, Wisconsin	Quest – 60 lbs N	6	35.6	94.7	36	80.1	3.5	1	14.8	6.89	48.6	169	96.2	427	353	41
2259	DS Farm, Wisconsin	Rasmussen	6	35.5	94.6	26	81.0	4.5	1	14.0	7.03	52.1	165	88.9	215	350	41
2260	DS Farm, Wisconsin	Lacy – 0N	6	34.8	93.7	39	80.5	3.4	1	13.9	6.45	48.9	167	88.1	269	311	46
2261	DS Farm, Wisconsin	Lacy – 30N	6	34.5	94.5	35	79.9	2.9	1	14.7	6.27	45.3	184	82.5	361	297	46
2262	DS Farm, Wisconsin	Lacy – 60N	6	36.2	95.2	36	80.4	3.3	1	14.5	6.39	46.9	169	84.5	281	306	46
2263	DS Farm, Wisconsin	Tradition	6	36.9	97.1	40	79.6	3.0	1	14.7	6.06	42.3	219	81.2	361	295	46
2264	DS Farm, Wisconsin	Innovation	6	36.4	96.4	37	81.0	3.6	1	13.5	6.32	47.9	162	79.2	294	314	51
2265		LACEY MALT CHECK	6	32.9	89	40	79.7	2.7	1	13.8	5.60	43.3	183	95.5	50	282	65
2266	DS Farm, Wisconsin	Pinnacle – 0N	2	43.3	97.1	26	81.8	3.4	2	11.9	5.08	45.3	92	69.4	396	222	55
2267	DS Farm, Wisconsin	Pinnacle – 30N	2	43.3	96.6	25	81.6	3.5	2	11.7	5.09	45.2	84	66.1	383	230	55
2268	DS Farm, Wisconsin	Pinnacle – 60N	2	42.2	94.6	22	80.4	3.1	1	12.2	5.40	47.2	160	81.0	274	255	55
2269	DS Farm, Wisconsin	Craft – 0N	2	44.4	98	35	81.3	2.5	1	13.6	5.27	41.7	136	76.6	274	234	53
2270	DS Farm, Wisconsin	Craft - 30N	2	42.7	96.6	36	81.1	2.4	1	13.9	5.30	40.3	145	76.2	306	240	53
2271	DS Farm, Wisconsin	Craft – 60 N	2	42.3	97.6	37	81.1	2.5	1	13.9	5.39	40.9	143	75.5	266	240	53
2272	DS Farm, Wisconsin	MT 090180	2	42.0	97.6	33	79.9	3.5	1	13.0	5.38	43.2	141	72.4	318	253	54
2273	DS Farm, Wisconsin	MT 0g0190	2	43.8	96.3	32	81.7	3.3	1	12.0	5.26	45.9	95	68.4	394	233	56
2274	DS Farm, Wisconsin	MT 100120	2	42.6	98.7	27	80.0	3.6	1	12.8	5.69	45.1	149	75.7	348	272	56
2275	DS Farm, Wisconsin	MT 100126	2	43.7	98.6	27	81.2	3.7	2	11.7	5.21	45.6	126	68.9	336	240	62
2276	DS Farm, Wisconsin	Pinnacle - no fung	2	43.6	98.2	22	82.6	4.1	2	10.7	5.26	50.0	77	64.7	286	242	45
2277	DS Farm, Wisconsin	Pinnacle - no fung	2	43.2	95.1	22	82.0	4.1	1	11.5	5.44	50.6	77	67.2	320	250	51
2278	DS Farm, Wisconsin	Pinnacle - no fung	2	43.1	96	21	82.2	4.0	1	11.3	5.48	50.0	91	68.7	276	255	51
2279	DS Farm, Wisconsin	Pinnacle - no fung	2	43.7	95.8	23	82.1	3.8	1	11.0	5.40	49.6	84	66.5	281	249	51

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2280	DS Farm, Wisconsin	Pinnacle – 0N	2	42.9	98	25	81.9	3.5	2	11.0	5.24	50.1	84	57.8	368	243	45
2281	DS Farm, Wisconsin	Quest – 0 N	6	34.6	93.5	38	79.7	3.5	1	14.1	6.84	50.6	151	70.9	520	350	41
2282	DS Farm, Wisconsin	Lacy – 60N	6	34.8	93.4	35	80.5	3.4	1	14.1	6.78	51.0	169	73.6	280	310	41
2283	DS Farm, Wisconsin	Pinnacle – 30N	2	40.9	94.3	23	80.5	3.7	2	11.7	5.38	48.6	87	59.6	380	238	46
2284	DS Farm, Wisconsin	Quest – 60 lbs N	6	35.4	94.5	35	79.7	3.0	1	13.7	6.31	47.0	174	76.4	337	302	51
2285	DS Farm, Wisconsin	Innovation	6	34.7	93.6	33	80.5	3.4	1	14.4	6.77	49.2	161	68.6	503	324	41
2286	DS Farm, Wisconsin	Quest – 30 lbs N	6	34.7	94.1	35	80.0	2.9	1	14.0	6.40	48.1	163	73.3	549	304	41
2287	DS Farm, Wisconsin	Pinnacle – 60N	2	43.0	96.7	24	81.2	3.4	2	11.9	5.03	44.3	81	59.5	513	224	55
2288		LACEY MALT CHECK		32.7	89.1	43	79.8	2.5	1	13.3	5.68	45.8	169	94.4	52	279	70
2289	DS Farm, Wisconsin	MT 100126	2	42.9	97.8	26	80.0	3.2	1	12.6	5.55	45.5	152	78.2	285	251	60
2290	DS Farm, Wisconsin	MT 100120	2	43.7	97.8	28	78.8	3.1	1	13.8	5.93	44.1	194	80.8	384	275	43
2291	DS Farm, Wisconsin	Tradition	6	35.5	96	37	79.8	2.8	1	14.9	6.13	43.5	246	87.8	453	296	46
2292	DS Farm, Wisconsin	Craft – 0N	2	42.3	96.4	37	80.6	2.8	1	13.9	5.39	39.8	157	77.3	293	241	45
2293	DS Farm, Wisconsin	Lacy – 30N	6	36.4	96.8	35	80.2	3.2	1	14.9	6.40	46.0	197	80.4	245	307	46
2294	DS Farm, Wisconsin	MT 0g0190	2	42.8	97.9	28	80.1	3.4	1	13.2	5.59	45.8	163	80.9	270	264	55
2295	DS Farm, Wisconsin	Craft - 30N	2	42.0	96.7	35	80.4	2.7	1	14.5	5.32	38.7	150	70.1	341	226	45
2296		HARRINGTON MALT CHECK	2	40.2	96.7	73	83.0	2.1	1	11.8	4.91	44.9	120	95.1	105	244	65
2297	DS Farm, Wisconsin	Craft – 60 N	2	41.7	95.9	33	80.6	2.8	1	14.2	5.59	39.9	154	77.7	326	250	44
2298	DS Farm, Wisconsin	MT 090180	2	43.5	98	30	79.3	3.5	1	13.3	5.54	45.0	156	76.8	319	255	52
2299	DS Farm, Wisconsin	Lacy – 0N	6	36.7	96.8	36	80.6	3.4	1	13.8	6.33	45.8	175	81.6	211	304	51
2300	DS Farm, Wisconsin	Quest – 60N	6	35.7	96.7	38	80.1	4.1	1	14.2	6.82	48.7	157	87.4	327	350	41
2301	DS Farm, Wisconsin	MT 100120	2	42.2	97.9	23	79.3	3.4	1	13.5	5.66	44.1	154	71.7	402	262	48
2302	DS Farm, Wisconsin	Pinnacle – 0N	2	43.2	97.5	25	81.5	3.7	1	11.5	4.94	43.6	88	62.5	392	222	56
2303	DS Farm, Wisconsin	Innovation	6	36.2	97	34	81.1	3.2	1	13.5	5.91	44.6	164	75.1	403	285	59
2304	DS Farm, Wisconsin	Lacy – 0N	6	35.6	97.7	32	80.6	3.2	1	14.4	6.15	45.6	169	75.2	232	294	46
2305	DS Farm, Wisconsin	Pinnacle – 60N	2	42.9	96.8	24	81.0	3.5	1	12.0	4.88	41.0	90	56.3	431	209	56
2306	DS Farm, Wisconsin	Quest 0N	6	35.6	95.3	37	80.8	2.6	1	13.7	5.96	45.4	177	82.0	431	298	54
2307	DS Farm, Wisconsin	Lacy 30N	6	35.2	95.3	38	81.1	2.9	1	13.6	6.14	46.3	164	78.8	356	306	51
2308	DS Farm, Wisconsin	Tradition	6	34.2	95.9	35	80.3	3.1	1	14.1	5.88	42.8	194	83.5	462	303	49
2309	DS Farm, Wisconsin	MT 100126	2	43.0	98.6	27	81.1	3.3	2	12.4	5.07	43.1	141	69.7	364	236	62
2310	DS Farm, Wisconsin	Craft 30N	2	43.9	97	35	81.2	2.5	1	13.7	5.17	38.3	137	72.9	345	232	48
2311	DS Farm, Wisconsin	Craft 0N	2	43.2	97.6	35	81.3	2.5	1	13.0	4.99	39.9	117	68.7	362	232	55
2312	DS Farm, Wisconsin	Pinnacle – 30N	2	43.7	97.3	23	81.8	3.5	1	11.8	4.77	43.0	73	55.8	559	208	56
2313	DS Farm, Wisconsin	Lacy 60N	6	36.2	97.8	35	81.0	3.0	1	14.5	6.02	43.6	167	71.7	425	294	46
2314	DS Farm, Wisconsin	Quest 30 N	6	35.1	95.2	39	80.0	3.2	1	14.1	6.50	46.6	166	83.7	621	351	46
2315	DS Farm, Wisconsin	MT 0g0190	2	43.4	98.5	28	80.5	3.6	1	12.4	5.29	45.4	141	77.0	448	257	60
2316	DS Farm, Wisconsin	Rasmussen	6	36.1	97	30	81.5	3.3	1	13.3	5.94	45.6	160	74.8	447	317	59
2317	DS Farm, Wisconsin	MT 090180	2	42.7	98.4	26	79.7	3.4	1	13.2	5.16	40.1	151	72.6	363	247	55
2318	DS Farm, Wisconsin	Craft – 60N	2	41.6	96.1	33	80.8	2.6	1	14.0	5.20	39.8	143	73.9	373	235	44
2319	DS Farm, Wisconsin	Quest - no fung	6	43.1	97.5	25	82.2	3.8	1	11.0	5.11	47.3	76	70.5	433	231	42
2320	Crookston, MN	Robust	6	36.1	94.5	37	78.3	2.2	1	14.9	5.18	36.4	183	64.6	341	238	41
2321	Crookston, MN	MW11S4029-002	6	36.2	92.3	47	80.5	2.9	1	12.3	4.32	37.7	148	56.9	266	188	46
2322	Crookston, MN	MW11S4051-005	6	39.0	95.1	41	78.0	3.0	1	13.7	4.72	35.6	118	54.8	371	240	33

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2323	Crookston, MN	Maja	6	31.7	81.4	44	80.2	3.1	1	11.8	4.45	39.9	118	62.2	153	228	46
2324	Crookston, MN	Lacey	6	39.1	99.2	35	79.5	2.6	1	14.2	5.08	37.2	175	71.1	171	238	44
2325	Crookston, MN	MW11S4039-015	6	35.7	95	45	78.3	2.4	1	14.0	4.98	37.2	160	64.5	171	244	46
2326	Crookston, MN	Quest	6	35.4	96.4	35	78.8	2.0	1	13.6	4.67	34.8	181	68.5	435	213	43
2327		LACEY MALT CHECK	6	33.1	88.4	42	80.2	2.7	1	13.2	5.54	44.4	188	87.1	43	266	70
2328	Crookston, MN	MW11S3037-004	6	33.8	90.3	43	74.1	2.0	1	14.2	3.83	27.2	106	45.0	653	150	16
2329	Crookston, MN	MW11S3033-008	6	34.4	89.7	39	77.8	2.1	1	13.0	4.33	34.1	149	49.2	424	187	37
2330	Crookston, MN	MW11S4033-008	6	35.4	95.5	42	78.9	1.9	1	12.7	4.64	38.2	145	48.8	284	234	45
2331	Crookston, MN	MW11S4010-009	6	31.0	82.7	42	78.2	1.7	1	13.5	4.49	34.8	152	69.9	263	224	42
2332	Crookston, MN	MW11S4061-009	6	36.2	93.2	51	78.9	2.0	1	12.5	3.89	32.3	112	59.0	419	211	41
2333	Crookston, MN	MW11S4038-015	6	35.3	93.6	49	76.6	1.8	1	13.5	4.31	32.7	142	66.8	179	261	36
2334	Crookston, MN	MW11S3029-010	6	34.7	92.6	44	80.1	2.0	1	11.8	4.64	40.0	132	61.1	293	263	48
2335	Crookston, MN	Rasmusson	6	38.9	98.7	39	80.0	2.4	1	13.1	5.02	39.3	187	76.4	178	295	54
2336	Crookston, MN	MW11S3034-005	6	33.3	83.9	44	77.4	1.9	1	13.5	4.24	31.7	148	45.5	267	220	38
2337	Crookston, MN	MW11S3033-013	6	33.2	83.8	46	78.0	1.9	1	11.8	4.20	35.8	137	51.6	279	214	42
2338	Crookston, MN	Tradition	6	36.2	98.1	49	79.1	2.0	1	13.8	4.73	35.6	215	80.8	218	251	46
2339	Morris, MN	Robust	6	34.0	90.6	38	78.6	2.0	1	14.6	5.24	36.0	207	60.4	318	261	45
2340	Morris, MN	MW11S4029-002	6	35.5	91.3	42	79.4	2.0	1	13.8	4.74	35.2	195	68.9	369	254	46
2341	Morris, MN	MW11S4051-005	6	37.3	90.6	45	78.0	2.3	1	14.4	4.96	36.0	164	70.4	207	300	38
2342	Morris, MN	Maja	6	31.9	76.4	43	78.9	2.5	1	13.4	4.84	36.9	162	71.3	159	279	51
2343	Morris, MN	Lacey	6	35.9	93.7	38	78.2	2.2	1	14.7	5.22	36.0	195	71.9	113	269	49
2344	Morris, MN	MW11S4039-015	6	35.4	90.1	47	77.4	2.4	1	14.4	5.26	37.4	169	71.6	166	277	41
2345	Morris, MN	Quest	6	33.6	90.9	42	78.1	2.1	1	14.0	4.77	34.2	178	74.9	314	239	40
2346	Morris, MN	MW11S3037-004	6	32.4	73.9	44	75.2	2.0	1	15.0	4.48	31.4	115	48.7	469	214	19
2347	Morris, MN	MW11S3033-008	6	33.9	81.4	38	78.0	2.2	1	12.9	4.68	36.5	152	56.9	501	200	43
2348	Morris, MN	MW11S4033-008	6	38.3	93.8	35	77.1	2.4	1	14.4	4.73	33.7	160	62.6	343	204	31
2349	Morris, MN	MW11S4010-009	6	29.9	78	48	76.4	2.2	1	14.2	4.71	33.5	168	74.3	261	198	24
2350	Morris, MN	MW11S4061-009	6	34.8	87.5	49	77.9	2.2	1	13.2	4.11	31.2	149	64.1	314	175	40
2351	Morris, MN	MW11S4038-015	6	35.0	90.6	50	76.9	2.0	1	13.8	4.59	35.1	156	75.0	241	222	36
2352	Morris, MN	MW11S3029-010	6	32.4	77.3	40	79.1	3.3	1	12.8	4.58	35.9	156	66.0	279	211	49
2353	Morris, MN	Rasmusson	6	35.6	90.5	39	79.2	3.8	1	13.4	5.01	37.8	198	76.8	288	224	54
2354	Morris, MN	MW11S3034-005	6	31.1	74.6	38	76.0	3.1	1	14.8	4.47	31.7	161	54.7	367	195	26
2355	Morris, MN	MW11S3033-013	6	31.2	73.5	37	76.3	3.3	1	13.5	4.66	35.0	172	59.1	385	205	38
2356	Morris, MN	Tradition	6	33.7	90.3	38	77.9	3.0	1	14.1	4.72	35.5	217	75.9	279	204	35
2357	St. Paul, MN	Robust	6	36.7	92.2	51	79.6	3.3	1	14.6	6.43	44.2	198	64.3	309	300	46
2358		LACEY MALT CHECK	6	33.6	88.8	44	80.1	3.2	1	13.4	5.71	44.0	169	83.0	56	309	66
2359	St. Paul, MN	MW11S4029-002	6	36.8	91.4	74	80.7	2.9	1	12.5	5.55	45.5	151	69.1	407	284	63
2360	St. Paul, MN	MW11S4051-005	6	37.3	86.9	66	78.9	3.2	1	13.8	5.60	41.2	139	66.0	317	270	47
2361	St. Paul, MN	Maja	6	35.4	84.7	59	79.3	2.9	1	13.9	5.48	41.0	147	72.6	296	286	53
2362	St. Paul, MN	Lacey	6	36.3	94	58	79.9	3.3	1	14.1	5.82	41.9	210	77.5	148	279	47
2363	St. Paul, MN	MW11S4039-015	6	33.7	90.9	75	78.5	4.1	1	13.7	5.87	44.9	167	82.2	182	309	51
2364	St. Paul, MN	Quest	6	34.0	87	63	80.6	3.5	1	13.4	5.65	44.2	177	82.9	343	262	63
2365	St. Paul, MN	MW11S3037-004	6	33.0	83.4	68	76.3	2.7	1	14.6	5.24	37.2	116	59.2	662	253	31

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2366	St. Paul, MN	MW11S3033-008	6	34.8	88.1	65	79.0	3.0	1	13.2	5.42	41.5	166	65.2	670	279	55
2367	St. Paul, MN	MW11S4033-008	6	35.8	91.9	67	79.0	3.0	1	13.2	5.80	45.9	149	69.1	452	290	56
2368	St. Paul, MN	MW11S4010-009	6	29.5	68.7	70	77.3	2.8	1	13.1	5.34	41.0	171	80.0	261	266	40
2369	St. Paul, MN	MW11S4061-009	6	35.0	81.8	65	79.6	3.5	1	12.7	5.26	41.5	137	79.4	315	266	55
2370	St. Paul, MN	MW11S4038-015	6	34.6	82.7	78	77.5	3.0	1	13.2	5.23	40.9	137	72.3	534	290	45
2371	St. Paul, MN	MW11S3029-010	6	32.6	70.3	73	79.8	3.0	1	12.3	5.46	44.6	130	71.7	454	286	55
2372	St. Paul, MN	Rasmusson	6	36.0	89.2	57	81.2	3.1	1	13.5	6.08	47.6	179	82.5	204	314	46
2373	St. Paul, MN	MW11S3034-005	6	31.4	67.4	69	77.5	2.6	1	13.6	5.23	41.2	159	61.3	425	274	37
2374	St. Paul, MN	MW11S3033-013	6	31.9	76.1	71	77.8	2.7	1	12.8	5.12	41.1	175	68.9	301	250	45
2375	St. Paul, MN	Tradition	6	33.5	86.1	68	79.5	3.3	1	13.2	5.67	43.0	218	86.9	232	280	63
2376	McVile, ND	CONLON	2	43.3	99.2	34	82.1	3.3	1	11.6	5.03	44.6	129	88.7	239	227	63
2377	McVile, ND	PINNACLE	2	41.3	97.4	27	82.0	4.6	1	10.8	5.04	51.0	98	69.9	158	242	45
2378	McVile, ND	LACEY	6	34.7	97.1	30	80.0	3.6	1	13.0	5.54	45.2	146	77.6	170	268	66
2379	McVile, ND	2ND25276	2	37.0	95.5	28	83.3	5.9	1	9.9	5.50	55.7	93	96.5	93	256	48
2380	McVile, ND	2ND33844	2	40.3	98.3	31	83.0	4.2	1	11.3	5.60	50.3	104	98.8	66	278	61
2381	McVile, ND	2ND33846	2	40.5	97.1	28	83.4	3.8	1	11.1	5.39	49.6	118	99.7	156	257	54
2382	McVile, ND	2ND33847	2	43.0	97.7	32	82.0	4.8	1	11.5	5.75	50.4	102	96.8	148	273	54
2383	McVile, ND	2ND33857	2	38.3	97.6	26	81.0	4.3	1	10.8	5.17	49.6	103	99.6	102	223	47
2384	McVile, ND	2ND33859	2	40.0	97.7	28	83.0	5.2	1	10.6	5.32	50.5	89	91.2	103	215	46
2385	McVile, ND	2ND33861	2	41.7	97.3	27	82.7	5.2	1	11.2	5.72	52.1	103	101.2	175	245	50
2386	McVile, ND	2ND33879	2	44.1	98	34	80.8	4.8	1	12.0	5.83	49.0	150	88.2	70	248	58
2387	McVile, ND	2ND33882	2	44.0	98.3	34	81.0	6.9	1	12.1	6.34	52.6	129	88.9	70	286	58
2388	McVile, ND	2ND33883	2	45.1	98.9	30	83.6	4.8	1	11.0	5.55	51.6	116	90.3	86	242	57
2389		HARRINGTON MALT CHECK	2	40.1	97.4	74	82.4	2.2	1	11.6	4.85	42.9	110	93.1	113	215	62
2390	McVile, ND	2ND33884	2	44.9	98.9	30	81.8	4.4	1	11.2	5.37	49.6	109	89.4	77	239	62
2391	McVile, ND	2ND33885	2	43.5	98	35	81.6	7.3	1	11.5	6.18	54.6	105	84.8	91	285	55
2392	McVile, ND	2ND33886	2	42.5	97.7	29	82.1	6.1	1	11.6	5.88	52.0	92	92.4	107	291	50
2393	McVile, ND	2ND33887	2	41.3	97	31	81.2	5.1	1	10.3	5.28	52.1	101	84.2	78	238	56
2394	McVile, ND	2ND33892	2	45.7	98.4	28	83.2	4.9	1	10.9	5.53	53.0	110	91.7	65	263	57
2395	McVile, ND	2ND33893	2	45.2	97.8	30	83.4	5.0	1	10.3	5.41	54.3	101	87.6	88	252	57
2396	McVile, ND	2ND33895	2	39.5	97	34	83.4	3.7	1	10.3	4.61	48.3	119	88.6	134	209	50
2397	McVile, ND	2ND33899	2	34.2	98.5	28	81.1	5.5	1	12.4	5.97	48.1	129	84.7	182	269	49
2398	McVile, ND	2ND33900	2	42.9	98.1	32	83.0	3.7	1	11.0	5.24	49.0	99	79.0	221	249	46
2399	McVile, ND	2ND33901	2	44.8	98.8	25	83.3	4.3	1	11.1	5.49	49.9	97	94.3	73	272	58
2400	McVile, ND	2ND33902	2	31.5	98.7	28	82.8	4.3	1	11.2	5.20	47.9	101	94.5	149	252	53
2401	McVile, ND	2ND33903	2	39.9	96.2	29	82.5	4.9	1	12.0	5.76	49.3	103	83.0	61	291	55
2402	McVile, ND	2ND33904	2	44.8	97.9	26	81.5	3.9	1	11.3	5.17	45.9	140	88.5	53	291	70
2403	Aberdeen, ID	Harrington	2	40.0	93.4	42	79.7	3.5	1	13.1	5.29	41.2	127	84.2	76	306	59
2404	Aberdeen, ID	ACMetcalfe	2	39.0	94.3	46	79.7	3.5	1	14.0	5.40	40.3	163	93.2	41	315	54
2405	Aberdeen, ID	CDC Copeland	2	41.3	97.8	41	80.2	4.6	1	13.0	5.76	47.0	124	88.7	37	320	57
2406	Aberdeen, ID	CDC Kindersley	2	40.2	94.6	38	79.5	4.3	1	13.8	5.94	43.7	154	85.7	36	310	52
2407	Aberdeen, ID	Conrad	2	37.5	95.1	36	79.3	3.9	1	13.8	5.46	40.9	144	93.8	74	293	49
2408	Aberdeen, ID	Merit57	2	40.2	93.7	41	81.1	4.2	1	12.8	5.57	44.3	124	108.3	45	292	69

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2409	Aberdeen, ID	Voyager	2	41.4	96.5	37	80.5	5.9	1	12.8	5.97	48.4	134	86.1	40	322	57
2410	Aberdeen, ID	M69	2	40.7	96.2	36	80.5	2.7	1	12.2	4.76	39.9	132	87.8	41	262	61
2411	Aberdeen, ID	09ARS244-1	2	41.1	95.6	52	80.6	2.7	1	13.7	5.49	40.9	201	85.3	40	315	56
2412	Aberdeen, ID	10ARS003-1	2	44.4	97.7	33	81.0	3.2	1	12.2	5.09	42.6	128	95.4	63	273	70
2413	Aberdeen, ID	10ARS013-1	2	38.4	89.6	41	79.4	3.1	1	14.3	5.23	37.4	149	91.9	91	268	44
2414	Aberdeen, ID	10ARS023-1	2	43.6	96.4	42	76.9	3.1	1	12.3	3.90	34.4	120	60.3	232	167	36
2415	Aberdeen, ID	10ARS105-2	2	40.8	94.8	39	80.0	3.1	1	12.7	4.89	39.9	132	86.1	52	253	61
2416	Aberdeen, ID	10ARS029-1	2	40.8	94.6	44	79.3	3.2	1	13.9	5.21	38.9	166	76.9	67	258	48
2417	Aberdeen, ID	10ARS041-1	2	44.4	97.2	44	80.1	2.8	1	12.2	4.74	41.6	118	88.4	51	233	64
2418	Aberdeen, ID	10ARS043-1	2	40.7	93.5	54	80.6	3.2	1	12.8	5.22	44.1	102	83.7	45	270	63
2419	Aberdeen, ID	10ARS101-1	2	43.4	98.1	35	80.6	3.3	1	12.2	5.11	42.3	130	89.5	47	275	67
2420		HARRINGTON MALT CHECK	2	42.0	97.1	74	82.0	2.3	1	11.5	4.77	43.3	119	94.3	73	241	67
2421	Aberdeen, ID	10ARS103-1	2	44.6	94.4	38	79.8	3.2	1	13.5	5.26	41.3	128	90.4	114	285	58
2422	Aberdeen, ID	10ARS109-1	2	46.8	98	45	79.3	1.9	1	13.2	4.14	32.1	121	60.5	194	176	38
2423	Aberdeen, ID	10ARS116-1	2	43.0	91	39	77.2	1.9	1	14.8	4.11	28.2	147	57.4	136	160	32
2424	Aberdeen, ID	10ARS191-3	2	43.7	93.6	43	80.2	2.8	1	13.2	5.14	39.0	111	83.1	96	274	54
2425	Aberdeen, ID	10ARS156-1	2	40.3	95.7	35	80.4	2.7	1	12.2	4.72	41.3	82	62.1	63	238	59
2426	Aberdeen, ID	10ARS166-1	2	41.3	96.4	34	79.7	2.9	1	12.7	5.12	40.9	132	108.1	46	244	66
2427	Aberdeen, ID	10ARS196-2	2	39.6	94.2	39	80.2	3.1	1	13.4	5.39	40.9	140	96.0	45	262	59
2428	Aberdeen, ID	10ARS185-1	2	39.7	93.6	41	81.1	3.5	1	13.3	5.66	44.5	129	94.3	46	262	58
2429	Aberdeen, ID	10ARS186-1	2	42.7	97.7	45	80.3	3.6	1	12.5	5.21	43.3	113	76.5	76	276	64
2430	Aberdeen, ID	10ARS190-1	2	41.2	95.8	41	80.8	3.6	1	12.0	5.12	43.8	103	83.0	72	238	63
2431	Aberdeen, ID	10ARS192-1	2	43.1	96.6	34	79.5	2.2	1	12.3	4.03	34.6	116	69.2	302	152	43
2432	Aberdeen, ID	10ARS187-6	2	39.3	93.7	41	79.0	2.9	1	12.7	4.98	41.4	77	78.1	224	221	47
2433	Aberdeen, ID	10ARS197-4	2	42.8	93.5	38	79.0	2.9	1	13.1	4.67	37.4	85	77.7	220	209	40
2434	Aberdeen, ID	10ARS197-5	2	43.8	96.1	32	78.8	2.1	1	12.9	3.95	31.5	124	67.9	104	157	43
2435	Aberdeen, ID	10ARS113-7	2	41.9	94.7	51	81.1	2.6	1	12.3	5.13	43.3	112	68.3	73	260	66
2436	Buffalo County, WI	Quest – 0 N	6	35.7	95.3	32	80.4	2.7	1	12.8	5.61	46.9	152	82.9	341	283	63
2437	Buffalo County, WI	Quest – 30 lbs N	6	35.3	96.5	38	79.9	2.3	1	12.9	5.51	43.4	157	75.6	414	272	63
2438	Buffalo County, WI	Quest – 60 lbs N	6	38.1	98	31	79.9	3.2	1	13.3	6.08	47.7	158	73.2	155	298	54
2439	Buffalo County, WI	Rasmussen	6	37.7	98.5	31	81.4	3.2	1	12.1	5.56	48.6	151	78.4	231	280	58
2440	Buffalo County, WI	Lacy – 0N	6	38.1	99	37	80.3	2.7	1	12.8	5.62	46.7	159	73.0	195	267	63
2441	Buffalo County, WI	Lacy – 30N	6	37.5	98.5	35	80.6	3.0	1	13.4	5.62	43.6	156	74.4	166	271	66
2442	Buffalo County, WI	Lacy – 60N	6	37.3	98.7	35	80.7	3.0	1	13.2	5.86	47.3	149	74.0	191	280	54
2443	Buffalo County, WI	Tradition	6	36.4	98.7	33	80.7	2.9	1	12.8	5.20	42.5	173	76.9	293	255	59
2444	Buffalo County, WI	Innovation	6	35.8	97.9	45	81.5	3.2	1	12.3	5.57	48.4	139	75.9	232	275	55
2445	Buffalo County, WI	Pinnacle – 0N	2	45.6	98	37	81.8	3.6	2	11.3	4.72	44.6	67	59.9	494	217	55
2446	Buffalo County, WI	Pinnacle – 30N	2	44.8	97.7	25	81.6	3.5	2	11.5	4.89	45.9	81	64.3	391	226	55
2447	Buffalo County, WI	Pinnacle – 60N	2	44.6	97.6	25	81.0	3.1	2	12.1	5.00	43.3	84	62.0	380	226	55
2448	Buffalo County, WI	Craft – 0N	2	46.1	97.5	25	81.3	2.2	1	13.1	4.90	38.9	136	75.6	256	227	53
2449	Buffalo County, WI	Craft - 30N	2	44.8	97.3	34	80.8	2.1	1	13.5	5.00	39.4	135	76.1	261	227	45
2450		HARRINGTON MALT CHECK	2	40.4	96.7	74	82.6	1.9	1	11.5	4.73	43.5	117	86.1	95	237	66
2451	Buffalo County, WI	Craft – 60 N	2	44.1	96.9	31	80.3	2.5	1	14.6	5.55	40.2	134	79.5	296	252	50

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2452	Buffalo County, WI	MT 090180	2	43.3	98.3	29	79.5	2.9	1	13.2	5.60	44.8	157	87.5	282	269	51
2453	Buffalo County, WI	MT 0g0190	2	44.8	97.8	26	78.9	3.1	1	12.7	5.70	47.0	149	74.3	389	271	53
2454	Buffalo County, WI	MT 100120	2	44.1	97.4	21	80.0	3.2	1	13.2	5.52	42.1	148	86.6	307	267	55
2455	Buffalo County, WI	MT 100126	2	44.0	97.2	24	79.6	3.1	1	12.6	5.30	42.8	142	77.9	280	254	60
2456	Buffalo County, WI	Pinnacle - no fung	2	47.7	97	21	81.2	3.5	1	11.3	5.20	46.4	77	71.0	389	249	56
2457	Buffalo County, WI	Pinnacle - no fung	2	43.0	96.3	19	81.2	4.0	1	11.3	5.31	50.4	76	75.0	432	255	51
2458	Buffalo County, WI	Pinnacle - no fung	2	44.9	97.2	20	81.4	3.8	1	11.1	5.20	48.1	75	73.0	448	252	51
2459	Buffalo County, WI	Pinnacle - no fung	2	42.0	97	16	81.2	3.9	1	11.1	5.23	47.9	73	74.9	489	258	51
2460	Buffalo County, WI	Quest - no fung	6	33.8	94	30	80.5	2.8	1	12.0	5.51	48.2	136	78.5	473	274	55
2461		LACEY MALT CHECK	6	32.9	87.7	41	80.0	3.0	1	13.5	6.03	45.4	154	84.0	71	306	58
2462	Buffalo County, WI	Quest - no fung	6	35.1	96.7	31	80.5	2.8	1	13.0	5.79	47.3	150	86.0	361	290	54
2463	Buffalo County, WI	Quest - no fung	6	35.6	97	34	80.4	3.1	1	12.5	5.68	46.8	144	82.4	395	278	63
2464	Buffalo County, WI	Quest - no fung	6	35.1	96.7	30	80.8	3.0	1	12.4	5.64	49.4	142	87.7	323	281	58
2465	Buffalo County, WI	Pinnacle – 0N	2	45.6	98.3	22	82.1	n.d.	3	10.7	4.62	46.5	52	60.4	599	220	49
2466	Buffalo County, WI	Quest – 0 N	6	35.8	95.7	37	80.7	2.5	1	12.5	5.35	46.1	150	77.8	416	260	63
2467	Buffalo County, WI	Lacy – 60N	6	36.3	97.3	31	80.6	2.6	1	12.5	5.69	46.8	157	81.7	435	275	63
2468	Buffalo County, WI	Pinnacle – 30N	2	46.1	98.8	27	82.1	4.0	2	10.9	4.88	46.9	62	63.9	458	224	50
2469	McVile, ND	CONLON	2	43.7	98.6	26	81.5	2.2	1	12.4	4.76	39.7	117	89.8	438	223	55
2470	McVile, ND	PINNACLE	2	39.4	96.2	21	82.1	3.0	1	9.6	4.47	47.5	105	75.3	207	218	47
2471	McVile, ND	LACEY	6	34.5	96.6	27	80.6	3.1	1	12.4	5.72	47.3	154	81.0	176	287	54
2472	McVile, ND	2ND25276	2	39.7	97.8	26	82.9	3.7	1	10.1	5.15	52.8	91	105.1	136	277	46
2473	McVile, ND	2ND33905	2	40.1	97.9	26	81.9	3.1	1	10.6	4.94	48.5	137	98.3	119	254	55
2474	McVile, ND	2ND33906	2	40.8	96	22	82.8	3.2	1	11.0	4.75	46.6	79	94.5	329	250	50
2475	McVile, ND	2ND33908	2	36.9	97.9	31	84.2	3.4	1	10.6	5.12	51.8	94	95.7	248	274	41
2476	McVile, ND	2ND33909	2	39.6	96.4	31	84.5	3.7	1	11.6	5.66	51.8	96	101.4	179	287	44
2477	McVile, ND	2ND33910	2	44.1	98	28	84.5	4.4	1	10.7	5.32	52.9	87	97.8	328	258	46
2478	McVile, ND	2ND33911	2	43.4	97.9	29	85.7	3.5	1	11.1	5.32	51.1	99	92.6	376	264	51
2479	McVile, ND	TRADITION	6	32.0	97.7	32	81.5	3.3	1	12.6	5.24	44.4	162	83.7	236	245	62
2480	McVile, ND	2ND33913	2	37.0	94.3	29	86.4	3.5	1	10.7	5.05	50.9	74	86.1	259	230	41
2481	McVile, ND	2ND33914	2	38.8	95.7	24	85.1	3.2	1	10.8	5.06	50.8	78	87.9	239	248	43
2482	McVile, ND	2ND33915	2	39.8	94.4	25	85.1	2.9	1	11.3	4.83	46.1	75	92.2	431	221	53
2483	McVile, ND	2ND33918	2	39.1	96.8	27	82.0	2.6	1	11.2	4.56	41.3	106	94.1	254	200	57
2484	McVile, ND	2ND33919	2	39.2	97.1	25	81.5	2.7	1	11.3	4.47	40.7	108	96.2	282	191	57
2485	McVile, ND	2ND33920	2	41.7	96.7	24	85.2	2.7	1	11.8	4.96	45.6	88	103.0	291	231	55
2486	McVile, ND	2ND33921	2	42.5	97.7	29	83.4	3.2	1	11.7	5.35	49.2	87	101.5	276	260	51
2487	McVile, ND	2ND33922	2	41.1	97.3	30	83.9	3.6	1	11.0	5.53	52.2	90	94.6	173	263	50
2488	McVile, ND	2ND27705	2	40.0	98.6	29	83.3	4.1	1	10.4	5.47	54.0	114	93.2	65	265	54
2489	McVile, ND	2ND33924	2	45.9	97.8	25	82.6	3.3	1	11.3	5.38	50.7	95	104.3	130	261	54
2490	McVile, ND	2ND33925	2	45.6	98.2	28	82.9	3.2	1	10.8	5.25	50.6	86	97.5	180	259	46
2491		HARRINGTON MALT CHECK	2	40.3	97.1	72	82.8	2.4	1	11.2	4.99	45.1	106	89.4	166	238	59
2492	McVile, ND	2ND33926	2	41.4	97.5	28	84.4	3.5	1	10.9	5.30	50.9	100	99.1	207	247	45
2493	McVile, ND	2ND33927	2	41.1	97	31	83.9	3.5	1	10.2	5.19	51.4	82	102.4	143	252	48
2494	McVile, ND	2ND33928	2	40.5	94.2	29	82.5	2.7	1	11.0	4.52	45.3	94	105.6	113	211	53

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2495	McVile, ND	2ND33929	2	37.8	95.4	29	80.9	3.1	1	11.3	4.88	45.4	90	100.2	115	225	51
2496	McVile, ND	2ND33930	2	40.5	97.7	27	82.7	3.3	1	10.1	4.57	46.1	73	88.5	124	216	53
2497	McVile, ND	2ND33931	2	42.4	97.8	22	83.1	3.2	1	10.7	4.58	45.7	70	84.8	150	208	54
2498	McVile, ND	2ND33932	2	42.5	97	30	83.1	3.8	1	10.2	4.85	50.7	83	81.5	253	217	46
2499	McVile, ND	2ND33933	2	42.7	97.3	27	82.6	3.9	1	10.6	4.98	50.4	88	88.9	168	220	46
2500	McVile, ND	2ND33934	2	45.8	98.1	27	83.1	4.2	1	10.8	5.03	50.7	82	80.4	186	226	46
2501	McVile, ND	2ND33935	2	44.2	98.2	28	82.8	4.7	1	10.5	5.18	51.6	85	87.4	140	230	49
2502	McVile, ND	2ND33936	2	40.0	95.7	29	83.3	5.5	1	11.5	5.99	54.9	88	88.8	123	270	49
2503	McVile, ND	2ND33937	2	39.5	97	30	82.3	5.3	1	11.0	5.68	53.3	78	85.6	124	270	42
2504	McVile, ND	2ND33938	2	39.7	98.2	25	79.7	4.2	1	10.9	4.55	43.6	80	75.8	88	207	52
2505	McVile, ND	2ND33939	2	39.9	98.3	24	81.3	3.9	1	10.6	4.68	48.4	84	82.8	117	212	46
2506	Buffalo County, WI	Quest – 60 lbs N	6	35.2	97	33	80.0	2.7	1	13.3	5.76	46.2	161	82.2	413	274	59
2507	Buffalo County, WI	Innovation	6	36.6	97.1	36	81.4	3.3	1	12.8	5.90	49.2	153	80.3	390	295	54
2508	Buffalo County, WI	Quest – 30 lbs N	6	36.2	98.2	34	79.9	2.8	1	12.8	5.64	44.8	156	81.1	427	286	63
2509	Buffalo County, WI	Pinnacle – 60N	2	45.6	97.9	23	81.3	3.6	2	10.9	4.69	43.7	64	57.3	581	220	50
2510	Buffalo County, WI	Rasmussen	6	38.1	98.7	33	81.4	3.2	1	12.0	5.35	46.7	138	75.5	226	276	60
2511	Buffalo County, WI	MT 100126	2	45.6	99	26	80.9	3.6	2	11.6	4.95	44.7	95	64.1	508	253	52
2512	Buffalo County, WI	MT 100120	2	44.5	98.9	27	79.8	3.4	2	12.5	5.37	45.2	118	64.8	575	265	56
2513	Buffalo County, WI	Tradition	6	36.9	97.8	43	80.8	2.6	1	12.3	5.03	43.1	155	73.1	371	247	59
2514	Buffalo County, WI	Craft – 0N	2	46.5	97.6	33	81.8	2.2	1	12.1	4.53	39.0	104	66.2	517	203	55
2515	Buffalo County, WI	Lacy – 30N	6	37.1	97.7	37	80.9	2.8	1	12.4	5.46	46.7	133	75.3	354	239	60
2516	Buffalo County, WI	MT 0g0190	2	44.6	98	28	80.3	3.4	1	11.8	5.22	45.1	108	72.3	489	240	57
2517	Buffalo County, WI	Craft - 30N	2	46.0	97.2	36	80.9	2.3	1	13.1	4.80	38.9	115	70.1	547	219	47
2518	Buffalo County, WI	Craft – 60 N	2	45.7	97.5	31	81.0	2.3	1	12.8	4.84	39.7	125	73.1	528	217	58
2519	Buffalo County, WI	MT 090180	2	42.5	97.9	26	79.4	3.5	2	12.3	5.48	44.5	132	70.8	475	247	59
2520	Buffalo County, WI	Lacy – 0N	6	35.3	96	36	80.4	2.8	1	12.5	5.37	44.2	136	81.0	380	251	60
2521	Buffalo County, WI	Quest – 60N	6	36.1	96.9	36	80.3	2.5	1	12.9	5.44	43.9	155	77.6	426	268	63
2522		HARRINGTON MALT CHECK	2	40.5	96.6	73	82.5	2.0	1	11.5	4.76	43.0	113	80.6	115	232	62
2523	Buffalo County, WI	MT 100120	2	42.6	97.8	19	80.0	n.d.	3	13.7	5.75	42.6	91	36.0	197	265	30
2524	Buffalo County, WI	Pinnacle – 0N	2	44.1	97.1	29	81.9	3.1	2	10.8	4.60	45.2	67	51.3	536	212	50
2525	Buffalo County, WI	Innovation	6	36.9	97	38	81.6	3.0	1	12.3	5.66	48.9	143	73.4	383	289	58
2526	Buffalo County, WI	Lacy – 0N	6	35.6	98	36	80.7	2.8	1	13.2	5.61	45.6	144	69.7	218	263	63
2527	Buffalo County, WI	Pinnacle – 60N	2	44.7	98.3	24	81.6	3.6	2	11.3	4.75	43.9	67	54.1	534	209	55
2528	Buffalo County, WI	Quest 0N	6	35.0	97.4	34	80.6	2.7	1	12.8	5.61	45.1	147	72.6	373	260	63
2529	Buffalo County, WI	Lacy 30N	6	35.8	97.7	36	80.5	2.9	1	13.3	5.90	44.9	153	79.0	304	275	59
2530	Buffalo County, WI	Tradition	6	35.9	98	40	81.6	3.0	1	12.2	5.76	49.8	163	77.2	283	301	54
2531	Buffalo County, WI	MT 100126	2	44.6	98.9	26	80.7	3.5	2	11.4	4.98	44.5	124	66.7	478	226	59
2532	Buffalo County, WI	Craft 30N	2	46.2	98.8	37	82.1	2.1	1	11.8	4.65	42.6	119	69.0	428	220	60
2533	Buffalo County, WI	Craft 0N	2	46.0	98.2	41	82.0	2.1	1	11.7	4.67	40.0	119	69.5	426	199	60
2534	Buffalo County, WI	Pinnacle – 30N	2	45.4	97.6	26	82.2	3.1	2	11.0	4.60	44.0	74	57.3	480	220	50
2535	Buffalo County, WI	Lacy 60N	6	36.3	97.1	38	80.6	2.6	1	12.5	5.43	44.9	139	79.1	325	251	60
2536	Buffalo County, WI	Quest 30 N	6	35.8	96.7	33	80.5	2.4	1	11.8	5.13	44.7	147	77.0	365	258	59
2537	Buffalo County, WI	MT 0g0190	2	43.5	97.4	26	80.2	3.1	1	12.1	5.35	45.5	124	69.8	509	268	60

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2538	Buffalo County, WI	Rasmussen	6	36.5	97.7	29	81.1	3.3	1	12.2	5.47	46.8	137	74.0	302	251	60
2539	Buffalo County, WI	MT 090180	2	42.3	97.7	26	79.4	n.d.	3	13.1	5.33	43.1	113	61.1	522	235	47
2540	Buffalo County, WI	Craft – 60N	2	43.5	96	30	80.6	2.5	1	13.5	4.95	38.9	128	69.1	428	224	45
2541	McVile, ND	CONLON	2	43.9	98.9	26	81.2	2.7	1	12.3	4.53	37.3	109	75.0	528	197	55
2542	McVile, ND	PINNACLE	2	39.2	96.2	24	81.7	3.4	1	9.9	4.38	47.3	90	64.7	260	200	39
2543	McVile, ND	LACEY	6	35.2	97.1	28	80.8	3.3	1	11.7	5.54	48.5	136	71.9	109	270	62
2544	McVile, ND	2ND25276	2	40.8	97.8	27	82.7	3.9	1	10.0	5.05	51.9	78	86.3	136	241	48
2545	McVile, ND	2ND33940	2	45.7	99.2	26	82.1	4.4	1	11.1	5.32	49.0	86	84.3	229	265	51
2546	McVile, ND	2ND33941	2	46.1	98.4	27	82.8	4.0	1	10.4	5.05	50.6	97	83.0	177	253	46
2547	McVile, ND	2ND33942	2	44.0	98	22	82.0	3.3	1	11.8	4.96	44.3	113	81.0	261	232	60
2548	McVile, ND	2ND33943	2	37.5	96.8	22	81.3	3.0	1	10.5	4.38	43.9	102	81.3	103	198	49
2549	McVile, ND	2ND33944	2	38.4	97	26	81.1	n.d.	3	11.2	4.05	37.7	97	70.5	171	172	37
2550	McVile, ND	2ND33945	2	42.6	97.6	22	81.3	3.0	1	12.6	4.63	39.1	94	69.2	441	211	51
2551	McVile, ND	2ND33946	2	43.2	98.1	22	81.6	3.8	2	11.7	4.63	41.4	90	72.9	339	215	55
2552	McVile, ND	2ND33948	2	41.2	97.4	24	82.7	n.d.	3	11.1	4.45	43.6	110	71.5	234	202	57
2553		HARRINGTON MALT CHECK	2	40.4	96.5	73	82.6	2.3	1	11.6	4.66	43.2	99	76.9	208	227	55
2554	McVile, ND	2ND33949	2	41.6	98.7	24	81.2	2.8	1	12.0	4.54	40.1	131	82.5	193	208	62
2555	McVile, ND	2ND33950	2	41.5	98.7	28	81.6	3.1	1	11.8	4.54	40.6	138	84.9	255	204	62
2556	McVile, ND	2ND33951	2	40.5	98.4	23	82.6	3.0	1	10.7	4.48	43.2	102	82.2	308	211	54
2557	McVile, ND	2ND28065	2	37.9	95.5	31	82.5	3.8	1	11.2	5.27	48.7	95	74.0	92	253	53
2558	McVile, ND	2ND33953	2	43.7	98.7	24	82.0	3.3	1	11.0	4.41	43.3	137	81.6	209	209	58
2559	McVile, ND	2ND33954	2	41.9	98.3	23	82.1	3.8	2	10.4	4.23	42.7	99	81.6	324	199	45
2560	McVile, ND	2ND33955	2	41.3	97.9	21	81.6	3.4	2	10.8	4.20	41.1	86	84.8	309	190	45
2561	McVile, ND	2ND33956	2	40.1	98	23	81.8	4.0	2	10.5	4.29	42.9	86	84.8	227	193	45
2562	McVile, ND	2ND33957	2	42.1	97.3	25	81.3	3.7	2	10.7	4.34	43.2	90	81.7	468	202	46
2563	McVile, ND	2ND33958	2	43.5	98	26	81.2	3.4	1	10.5	4.57	46.1	88	80.2	384	213	51
2564	McVile, ND	2ND33959	2	42.0	98.6	24	81.7	3.2	1	11.1	4.76	45.2	131	93.1	191	219	63
2565	McVile, ND	2ND33960	2	41.6	97.4	26	83.6	3.3	1	10.8	4.77	46.3	100	94.5	361	223	50
2566	McVile, ND	TRADITION	6	33.1	96.6	34	81.5	3.0	1	12.0	5.17	43.1	173	76.6	151	242	62
2567	McVile, ND	2ND33962	2	44.6	98.8	28	81.5	n.d.	3	11.6	4.41	38.3	127	77.9	272	185	54
2568	McVile, ND	2ND33963	2	43.0	98.4	24	80.3	3.8	2	11.5	4.27	39.3	96	81.6	353	191	43
2569	McVile, ND	2ND33964	2	42.9	98.4	26	81.5	3.3	1	10.3	4.73	46.8	101	81.3	165	217	55
2570	McVile, ND	2ND33965	2	39.5	96.9	23	81.4	n.d.	3	10.1	4.12	43.5	93	72.0	166	170	37
2571	McVile, ND	2ND33966	2	39.5	97.2	26	81.0	n.d.	3	10.6	4.45	44.2	96	74.4	193	190	44
2572	McVile, ND	2ND33967	2	40.6	96.7	24	83.0	4.2	1	10.3	5.23	51.3	90	92.1	134	250	48
2573	McVile, ND	2ND33968	2	45.4	99	28	82.0	4.1	1	10.5	4.99	49.7	92	96.0	101	246	49
2574	McVile, ND	2ND33969	2	41.1	98.4	29	82.1	3.5	1	10.3	4.82	47.3	117	90.0	202	216	49
2575	McVile, ND	2ND33970	2	43.2	98.9	25	82.5	3.1	1	10.9	4.66	45.3	110	82.7	193	211	55
2576	McVile, ND	2ND33971	2	44.1	98.9	28	83.3	3.3	1	10.8	5.12	49.9	125	96.1	213	229	53
2577	McVile, ND	2ND33972	2	42.1	98	26	82.3	4.6	1	11.0	5.38	50.2	123	82.3	123	254	61
2578	Aberdeen, ID	Harrington	2	39.5	94.6	40	80.2	2.8	1	12.9	5.12	40.9	132	71.3	76	251	64
2579	Aberdeen, ID	ACMetcalfe	2	40.5	98.7	51	82.6	3.0	1	10.5	4.74	47.2	107	85.3	46	255	56
2580	Aberdeen, ID	CDC Copeland	2	42.3	96.6	39	80.2	4.8	1	12.8	5.96	46.7	125	78.8	33	304	63

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2581	Aberdeen, ID	Conrad	2	40.4	97.5	37	81.3	2.8	1	12.0	5.10	46.2	119	76.3	59	292	66
2582	Aberdeen, ID	Voyager	2	40.1	97.7	46	80.5	4.7	1	12.6	5.61	46.8	134	72.2	40	295	62
2583	Aberdeen, ID	M69	2	41.5	96.2	40	80.7	3.0	1	11.5	5.23	45.4	102	74.0	34	294	63
2584		HARRINGTON MALT CHECK	2	41.7	97	74	82.5	2.2	1	11.4	4.82	43.9	112	81.9	118	249	62
2585	Aberdeen, ID	2Ab08-X05M006-4	2	41.8	97.2	45	80.8	3.6	1	11.3	5.29	49.0	106	85.9	49	285	58
2586	Aberdeen, ID	2Ab09-X05M003-49	2	37.3	97.1	44	81.6	2.6	1	11.7	4.80	41.2	107	79.3	55	245	62
2587	Aberdeen, ID	2Ab09-X05M050-14	2	37.6	92.7	41	79.8	2.9	1	12.2	4.90	43.2	117	70.3	43	251	59
2588	Aberdeen, ID	2Ab09-X05M055-1	2	36.6	95.8	41	81.3	3.3	1	10.9	5.16	48.6	126	93.4	37	271	55
2589	Aberdeen, ID	2Ab09-X06M002-41	2	42.5	95.6	51	82.5	3.1	1	11.3	5.15	48.2	100	69.9	56	276	58
2590	Aberdeen, ID	2Ab09-X06M062-11	2	40.0	97.1	49	81.1	3.5	1	12.5	5.44	46.7	114	87.9	40	293	66
2591	Aberdeen, ID	08ARS069-13	2	38.8	96.3	47	81.9	3.0	1	11.6	5.31	47.9	112	87.9	46	284	59
2592	Aberdeen, ID	08ARS075-37	2	37.6	90.13	39	80.8	2.8	1	12.3	5.44	46.8	110	98.1	79	300	59
2593	Aberdeen, ID	08ARS012-79	2	42.0	96.4	48	81.4	4.0	1	12.5	5.87	48.6	110	89.3	75	319	58
2594	Aberdeen, ID	08ARS001-75	2	40.3	97.6	41	81.3	3.8	1	11.4	5.09	46.6	83	82.9	47	259	62
2595	Aberdeen, ID	08ARS028-20	2	42.3	97.1	45	81.6	2.8	1	11.0	4.81	46.0	106	82.7	43	245	62
2596	Aberdeen, ID	08ARS029-43	2	39.7	96.1	38	80.8	2.1	1	12.1	4.77	40.8	124	60.0	149	241	60
2597	Aberdeen, ID	08ARS031-19	2	38.8	93.2	50	78.1	2.6	1	12.5	5.07	43.0	121	64.6	89	235	61
2598	Aberdeen, ID	08ARS035-47	2	42.8	97	45	81.3	3.1	1	13.0	5.79	46.2	122	85.2	45	285	61
2599	Aberdeen, ID	08ARS035-7	2	41.2	97.9	38	81.8	3.9	1	11.6	5.52	50.0	87	68.7	44	293	57
2600	Aberdeen, ID	08ARS037-33	2	39.3	95.2	49	80.7	2.3	1	11.8	4.91	44.1	98	86.0	100	223	57
2601	Aberdeen, ID	08ARS039-50	2	41.7	97.1	43	80.4	3.3	1	12.1	5.58	46.5	126	89.5	155	278	59
2602	Aberdeen, ID	08ARS049-5	2	45.3	99.4	43	80.8	3.5	1	12.3	5.49	47.5	169	92.4	89	261	62
2603	Aberdeen, ID	08ARS114-68	2	42.2	97.3	41	80.7	2.7	1	12.6	5.73	48.4	127	80.9	57	271	58
2604	Aberdeen, ID	08ARS115-70	2	42.0	97	39	81.2	2.6	1	11.4	5.21	46.9	108	77.1	141	243	63
2605	Aberdeen, ID	08ARS116-6	2	41.0	96.1	38	80.1	3.4	1	13.0	5.27	43.3	139	70.8	72	251	61
2606	Aberdeen, ID	08ARS105-59	2	43.3	96.6	50	81.3	2.1	1	11.8	5.39	49.6	106	71.9	35	249	62
2607	McVile, ND	CONLON	2	41.5	96.1	31	81.6	2.2	1	12.2	4.78	39.5	118	84.0	462	207	54
2608	McVile, ND	PINNACLE	2	39.3	96.1	23	82.4	3.5	1	9.9	4.62	50.4	96	71.3	206	220	43
2609	McVile, ND	LACEY	6	34.5	97.7	32	81.2	3.5	1	12.2	5.67	49.0	140	73.4	100	264	65
2610	McVile, ND	2ND25276	2	39.6	97.8	27	83.3	4.9	1	10.1	5.28	55.9	83	93.5	101	260	46
2611	McVile, ND	2ND33973	2	42.4	98.4	26	82.6	5.2	1	10.8	5.27	49.6	128	91.4	124	260	56
2612	McVile, ND	2ND33974	2	43.0	97.5	20	82.4	3.8	1	10.2	4.78	48.1	134	83.1	172	256	53
2613	McVile, ND	2ND33975	2	44.3	98.8	20	81.4	4.2	1	12.0	5.06	45.3	124	84.2	263	274	63
2614	McVile, ND	2ND33976	2	42.5	98.4	25	82.3	3.1	1	11.6	5.09	47.5	112	94.7	288	258	55
2615		HARRINGTON MALT CHECK	2	42.0	96.2	73	82.4	2.0	1	11.3	4.91	46.9	122	90.4	59	283	70
2616	McVile, ND	2ND33979	2	42.0	98.6	25	81.5	3.3	1	11.9	4.88	43.9	127	85.7	170	224	62
2617	McVile, ND	2ND33980	2	42.9	98.7	22	81.7	3.2	2	10.8	4.56	44.8	94	77.4	165	224	50
2618	McVile, ND	2ND33981	2	42.8	98.4	19	81.6	2.8	2	11.2	4.25	41.0	98	76.6	277	208	51
2619	McVile, ND	2ND33982	2	42.9	97	20	84.8	3.8	1	10.9	4.97	47.3	111	99.5	242	272	50
2620	McVile, ND	2ND33983	2	42.2	95.2	26	86.4	4.4	1	10.5	5.28	52.7	100	97.0	146	298	53
2621	McVile, ND	2ND33984	2	40.9	96.7	23	83.3	3.1	1	10.3	5.07	51.5	94	96.9	82	303	52
2622	McVile, ND	2ND33985	2	41.0	98.4	23	83.6	3.4	1	10.8	5.25	52.7	95	96.4	83	281	52
2623	McVile, ND	2ND33986	2	47.5	99.1	23	83.1	4.9	1	11.6	5.82	52.3	101	92.0	48	344	58

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2624	McVile, ND	2ND33987	2	46.2	99.4	26	83.2	4.5	1	11.8	5.73	50.0	105	88.7	78	318	58
2625	McVile, ND	2ND33988	2	43.3	96.8	29	86.4	3.5	1	10.6	4.91	48.7	110	99.0	155	262	50
2626	McVile, ND	2ND33989	2	43.0	98.2	27	82.8	3.7	1	10.3	4.95	50.5	90	91.2	126	282	49
2627	McVile, ND	2ND33990	2	43.4	98.7	26	83.6	4.2	1	10.5	5.52	57.4	94	103.2	64	299	53
2628	McVile, ND	2ND33991	2	42.5	97.6	24	82.9	2.6	1	10.7	4.64	45.2	130	85.7	222	255	58
2629	McVile, ND	2ND33992	2	43.0	98.5	22	83.0	3.3	1	11.3	4.88	46.9	122	86.1	191	258	63
2630	McVile, ND	2ND33993	2	45.2	98.7	25	83.6	3.5	1	10.8	5.22	51.7	104	96.0	84	303	57
2631	McVile, ND	2ND33994	2	45.7	99.1	21	82.9	4.8	1	11.1	5.71	51.9	104	96.0	65	341	58
2632	McVile, ND	2ND33995	2	43.6	98.2	20	81.4	4.0	1	11.0	4.63	44.6	114	73.8	97	241	62
2633	McVile, ND	2ND33996	2	43.3	97.7	22	82.2	3.2	1	10.4	4.38	44.7	120	69.0	108	246	57
2634	McVile, ND	2ND33997	2	42.6	98.1	23	82.9	3.1	1	10.3	4.79	48.7	104	97.7	85	261	57
2635	McVile, ND	2ND33998	2	39.7	97.2	20	82.3	2.8	1	10.8	4.59	43.2	89	94.2	112	244	51
2636	McVile, ND	2ND33999	2	45.0	97	21	82.7	3.5	1	10.9	4.70	43.8	83	73.6	217	252	51
2637	McVile, ND	2ND34000	2	44.5	98	29	83.5	3.7	1	10.8	5.25	49.4	111	79.8	92	298	57
2638	McVile, ND	2ND34001	2	42.8	98.5	23	82.7	2.5	1	10.5	4.49	43.6	129	92.4	139	237	61
2639	McVile, ND	2ND34002	2	41.0	98.4	23	82.4	3.0	1	10.2	4.61	49.0	110	89.4	127	272	52
2640	McVile, ND	2ND34003	2	42.1	98.3	23	81.4	3.0	2	11.1	4.09	37.5	100	71.8	277	218	46
2641	McVile, ND	2ND34004	2	45.0	98.8	23	82.7	3.2	1	11.7	5.23	47.7	103	95.7	170	298	55
2642	McVile, ND	2ND34006	2	43.0	98.2	28	80.9	5.1	1	10.9	5.57	52.4	83	75.4	84	333	50
2643	Ray, ND	CONLON	2	44.1	99	33	80.6	2.0	1	12.9	4.95	39.4	171	79.0	205	253	55
2644	Ray, ND	PINNACLE	2	42.7	96	29	81.5	2.1	1	11.3	4.49	42.8	130	61.6	158	228	63
2645	Ray, ND	LACEY	6	38.6	98.1	40	79.6	2.1	1	13.3	5.30	42.4	208	78.5	59	298	70
2646		HARRINGTON MALT CHECK	2	40.6	96.1	73	82.5	2.3	1	11.4	4.75	44.9	116	90.3	112	264	62
2647	Ray, ND	2ND25276	2	40.9	97.2	31	81.8	2.2	1	11.5	4.82	44.1	128	90.4	80	252	69
2648	Ray, ND	2ND32265	2	39.9	96.6	21	80.1	1.7	1	12.5	4.27	34.8	150	69.3	137	205	51
2649	Ray, ND	2ND32310	2	41.4	95.7	41	82.6	3.0	1	10.7	5.54	54.3	117	116.8	51	311	56
2650	Ray, ND	2ND32311	2	41.1	95.1	39	82.6	3.2	1	10.5	5.47	57.5	126	119.9	47	282	59
2651	Ray, ND	2ND32315	2	43.5	96.4	36	80.0	3.4	1	13.8	6.62	51.1	215	92.9	41	329	45
2652	Ray, ND	2ND32322	2	43.7	97.1	35	82.3	2.6	1	10.9	5.07	47.5	147	109.7	52	248	60
2653	Ray, ND	2ND32333	2	43.9	98.7	35	81.1	2.9	1	12.3	5.46	47.0	190	83.0	40	260	70
2654	Ray, ND	2ND32342	2	41.9	98.5	28	80.7	2.3	1	12.1	4.87	41.7	209	98.0	72	226	66
2655	Ray, ND	2ND32348	2	39.9	96	38	81.3	2.0	1	11.5	4.88	43.4	196	80.1	136	224	63
2656	Ray, ND	2ND32374	2	41.5	98.8	37	80.7	2.3	1	12.7	5.45	46.0	228	93.3	97	263	66
2657	Ray, ND	2ND32378	2	41.0	97.3	36	82.3	2.5	1	12.3	5.49	47.2	189	105.7	81	262	64
2658	Ray, ND	2ND32380	2	41.1	97.1	29	81.8	2.3	1	11.8	5.45	48.6	166	98.8	72	269	64
2659	Ray, ND	2ND32383	2	42.2	98.1	35	81.1	2.3	1	11.4	4.84	43.6	173	93.4	57	234	70
2660	Ray, ND	2ND32462	2	41.1	98.5	36	82.9	2.8	1	11.1	5.36	52.9	121	106.4	55	273	64
2661	Ray, ND	2ND32529	2	44.2	97.5	38	82.2	3.0	1	11.3	5.15	49.8	124	90.3	52	244	65
2662	Ray, ND	2ND32654	2	43.9	96.3	37	81.5	2.9	1	12.4	5.67	49.1	157	89.9	59	311	61
2663	Ray, ND	2ND32657	2	44.4	97.2	41	83.0	2.9	1	10.8	5.19	51.0	134	108.7	50	274	60
2664	Ray, ND	2ND32658	2	41.8	96.6	33	82.2	2.6	1	11.5	5.13	46.1	165	94.2	56	260	69
2665	Ray, ND	2ND32659	2	43.4	98.2	38	82.7	2.4	1	10.8	4.84	47.2	143	91.5	96	244	60
2666	Ray, ND	2ND32660	2	40.1	96	35	82.7	2.7	1	11.3	5.23	48.9	126	80.4	56	267	64

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2667	Ray, ND	2ND32667	2	43.4	96.1	35	81.9	2.8	1	11.8	5.55	50.2	155	84.0	68	285	65
2668	Ray, ND	2ND32686	2	42.3	98.2	30	80.5	2.7	1	12.8	5.41	43.7	208	86.9	79	240	67
2669	Ray, ND	2ND32695	2	41.9	95.5	33	82.8	2.6	1	11.6	5.41	48.9	166	88.2	136	259	60
2670	Ray, ND	2ND32746	2	40.8	94.3	30	82.3	2.0	1	12.6	5.05	41.3	172	69.4	194	213	62
2671	Ray, ND	2ND32784	2	39.6	93.7	33	80.8	2.1	1	12.1	4.81	41.2	126	61.1	175	216	57
2672	Ray, ND	2ND32802	2	42.5	94.4	34	83.0	2.4	1	11.9	5.13	45.9	134	80.4	73	229	70
2673	Ray, ND	2ND32824	2	42.4	95.8	35	83.0	2.7	1	11.3	5.35	50.0	108	78.0	172	248	55
2674	Ray, ND	2ND32829	2	44.2	96.2	31	82.3	2.5	1	11.8	5.31	48.3	135	84.9	40	250	65
2675	Ray, ND	2ND32831	2	41.4	96.1	33	81.5	2.5	1	11.3	5.37	48.5	142	84.1	122	242	60
2676	Ray, ND	2ND32833	2	42.4	96.5	35	81.7	2.4	1	11.4	4.92	45.4	126	84.7	167	219	63
2677		HARRINGTON MALT CHECK	2	40.2	96.5	72	82.3	2.3	1	11.7	4.81	42.0	115	86.5	113	209	62
2678	Ray, ND	2ND32834	2	45.5	97.3	29	81.7	2.4	1	11.7	5.41	48.7	124	81.6	104	232	61
2679	Ray, ND	2ND32838	2	42.5	93.5	30	81.1	2.4	1	12.3	5.29	43.7	131	72.7	76	229	70
2680	Ray, ND	2ND32854	2	46.2	97.7	28	81.7	2.3	1	12.0	4.85	41.8	123	79.8	65	204	70
2681	Pullman, WA	13WA-130.7	2	35.6	91.9	74	75.7	2.2	2	11.9	3.35	28.7	52	40.5	1109	108	20
2682	Pullman, WA	13WA-135.7	2	38.3	95.5	71	78.5	n.d.	3	10.9	3.47	34.7	86	51.7	112	119	26
2683	Pullman, WA	Champion	2	39.8	95.3	70	79.5	2.2	1	11.5	4.10	35.7	96	63.3	277	160	36
2684	Pullman, WA	13WA-143.7	2	36.8	92.3	82	80.6	2.1	1	11.6	4.98	44.5	123	91.0	167	210	55
2685	Pullman, WA	13WA-144.9	2	36.8	94.4	77	76.0	n.d.	3	11.7	3.58	30.9	63	49.7	1191	131	19
2686	Pullman, WA	13WA-145.1	2	39.1	96.6	71	77.7	1.5	1	13.1	4.09	33.0	115	66.5	373	182	31
2687	Pullman, WA	13WA-149.2	2	39.8	97.5	74	80.4	1.7	1	11.4	4.08	36.1	140	67.0	123	166	46
2688	Pullman, WA	13WA-149.3	2	37.7	94.3	63	81.3	1.7	1	10.2	4.04	40.5	113	76.9	51	170	48
2689	Pullman, WA	13WA-150.3	2	31.0	75.3	67	79.1	n.d.	3	10.6	3.43	34.3	68	53.6	122	154	19
2690	Pullman, WA	13WA-109.2	2	36.9	92.4	70	77.6	n.d.	3	11.7	3.37	30.5	97	53.5	96	121	29
2691	Pullman, WA	13WA-110.5	2	42.7	96.3	57	77.5	1.5	1	15.3	4.47	29.7	153	65.5	392	182	36
2692	Pullman, WA	13WA-115.3	2	45.4	97.8	48	78.5	2.0	1	15.3	4.90	33.9	121	86.4	382	228	42
2693	Pullman, WA	13WA-150.4	2	35.4	87.7	64	80.2	1.8	1	11.8	4.28	38.8	95	100.4	131	202	40
2694	Pullman, WA	13WA-155.3	2	39.1	94.5	73	78.7	1.5	1	11.0	3.68	35.4	74	52.3	347	147	30
2695	Pullman, WA	13WA-155.4	2	37.7	94	87	79.2	1.3	1	11.5	3.60	33.6	83	46.5	341	138	25
2696	Pullman, WA	13WA-156.7	2	34.8	93.7	80	78.6	1.9	1	12.3	4.75	41.6	99	75.5	285	229	45
2697	Pullman, WA	Bob	2	34.1	87.9	72	75.2	2.3	2	13.8	4.40	33.5	104	62.6	351	181	25
2698	Pullman, WA	13WA-104.5	2	38.2	83.1	52	81.7	n.d.	3	14.6	4.15	29.4	118	63.5	1175	152	26
2699	Pullman, WA	13WA-112.13	2	32.5	83.9	70	78.7	1.8	1	14.0	5.43	40.9	169	97.6	87	251	44
2700	Pullman, WA	13WA-116.1	2	42.2	96	64	77.0	1.6	1	13.7	4.13	32.0	122	59.5	551	176	29
2701	Pullman, WA	13WA-118.7	2	38.5	95.8	67	79.7	1.7	1	12.0	4.44	38.6	109	73.4	195	198	49
2702	Pullman, WA	13WA-118.9	2	38.2	97.5	55	79.5	1.9	1	12.8	4.30	35.7	110	69.7	255	189	43
2703	Pullman, WA	13WA-158.3	2	37.9	95.6	81	80.4	2.2	1	12.1	4.95	44.3	93	74.4	323	240	48
2704	Pullman, WA	13WA-158.8	2	39.2	97.7	75	78.2	1.5	1	13.2	4.16	34.0	118	59.6	431	167	32
2705	Pullman, WA	13WA-161.3	2	39.7	97.4	64	79.9	2.4	2	12.1	4.54	37.7	112	73.7	227	204	48
2706	Pullman, WA	13WA-126.3	2	37.1	89.5	74	73.0	1.6	1	14.1	3.84	27.5	93	51.1	531	139	12
2707	Pullman, WA	13WA-127.10	2	32.0	88.9	61	74.8	n.d.	3	13.4	4.14	32.0	120	48.8	122	171	25
2708		HARRINGTON MALT CHECK	2	40.0	96.5	73	82.5	2.3	1	11.8	4.75	43.1	94	78.1	221	223	55
2709	Pullman, WA	13WA-130.10	2	35.1	92	70	77.3	n.d.	3	12.1	3.57	32.1	90	50.7	260	131	22

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2710	Pullman, WA	13WA-130.5	2	34.3	90.8	69	77.3	3.0	2	11.6	3.54	31.8	97	51.6	241	126	23
2711	Pullman, WA	13WA-132.4	2	34.9	86.6	71	76.9	1.5	1	11.8	3.61	31.4	84	48.9	370	142	19
2712	Pullman, WA	13WA-135.3	2	38.3	94.4	68	78.0	1.5	1	12.1	3.71	31.7	105	47.1	168	146	27
2713	Pullman, WA	13WA-135.4	2	32.4	86.8	81	76.0	2.4	2	11.8	3.50	30.4	72	44.5	727	126	18
2714	Pullman, WA	13WA-135.9	2	40.1	92.6	76	78.7	2.7	2	11.9	3.68	32.8	81	44.8	502	145	28
2715	Pullman, WA	13WA-135.30	2	36.7	92.2	71	77.6	2.8	2	12.3	3.93	33.2	85	53.0	355	169	23
2716	Pullman, WA	13WA-136.4	2	38.6	94.8	80	80.4	1.9	1	11.9	5.02	43.5	109	73.6	133	234	57
2717	Pullman, WA	13WA-143.8	2	40.0	97.8	72	80.0	2.2	2	12.0	3.71	31.7	77	54.9	246	140	34
2718	Pullman, WA	13WA-143.9	2	37.1	93.4	80	81.1	1.9	1	12.7	5.10	41.5	107	76.7	85	229	62
2719	Pullman, WA	13WA-144.5	2	37.6	92	80	77.3	1.7	1	11.3	3.52	33.2	73	40.2	751	128	21
2720	Pullman, WA	13WA-149.6	2	36.2	94.7	60	81.4	2.2	1	10.9	4.68	44.7	123	88.9	61	213	60
2721	Pullman, WA	13WA-150.5	2	35.4	93.3	84	81.3	2.4	1	11.0	5.19	48.8	96	84.9	61	244	53
2722	Pullman, WA	13WA-105.1	2	36.4	80.3	77	74.8	1.4	1	14.3	3.87	28.4	111	59.1	328	148	13
2723	Pullman, WA	13WA-112.14	2	32.4	70.1	70	76.9	1.9	1	14.6	5.48	37.8	160	89.8	174	252	28
2724	Pullman, WA	13WA-112.2	2	32.2	61.1	70	72.7	1.4	1	15.9	3.92	25.1	113	61.5	447	146	13
2725	Pullman, WA	13WA-112.6	2	37.9	94.5	80	79.7	1.7	1	12.4	4.86	42.5	120	89.8	187	222	52
2726	Pullman, WA	Harrington	2	34.9	95.6	70	81.1	1.9	1	11.7	5.03	46.7	112	89.1	141	242	58
2727	Pullman, WA	13WA-156.6	2	34.3	89.6	84	77.7	1.8	1	12.1	4.24	36.4	89	74.0	107	185	31
2728	Pullman, WA	13WA-160.4	2	35.8	95.6	77	79.2	2.1	1	12.1	4.60	40.2	78	65.9	119	192	48
2729	Pullman, WA	13WA-160.7	2	34.7	90.1	82	75.7	1.7	1	12.8	4.13	32.6	99	52.2	228	172	27
2730	Pullman, WA	13WA-112.5	2	33.2	81.9	77	78.8	2.0	1	12.6	5.35	42.9	123	90.8	72	251	54
2731	Pullman, WA	13WA-117.1	2	35.9	83	63	74.0	1.4	1	14.8	4.04	28.2	133	54.4	345	171	19
2732	Pullman, WA	13WA-117.29	2	35.5	76.3	76	75.8	1.4	1	12.8	3.74	31.3	107	51.5	268	152	23
2733	Pullman, WA	13WA-118.5	2	35.9	92.2	66	80.0	2.1	1	11.5	4.95	44.2	92	86.5	35	232	55
2734	Pullman, WA	13WA-125.3	2	31.9	81	75	77.5	2.0	1	13.1	4.06	31.9	81	43.8	870	149	14
2735	Pullman, WA	13WA-126.5	2	36.0	87.5	72	72.9	1.6	1	13.7	3.78	27.9	115	49.4	249	136	13
2736	Pullman, WA	13WA-129.9	2	37.9	89.8	75	75.2	2.2	2	12.5	3.66	30.0	106	44.4	164	116	22
2737	Pullman, WA	13WA-130.12	2	35.9	81.3	79	74.1	1.5	1	12.7	3.80	30.2	104	54.1	162	129	23
2738	Pullman, WA	13WA-130.4	2	31.4	85.4	81	74.3	n.d.	3	11.8	3.23	29.2	65	38.3	897	98	13
2739		HARRINGTON MALT CHECK	2	40.8	96.5	74	82.6	2.2	1	11.6	4.84	44.5	105	78.3	83	194	66
2740	Pullman, WA	13WA-135.28	2	37.3	93.3	76	76.7	n.d.	3	12.1	3.33	29.5	96	46.3	122	113	22
2741	Pullman, WA	13WA-135.32	2	37.5	91.8	74	77.9	n.d.	3	11.1	3.65	34.1	78	37.0	348	134	15
2742	Pullman, WA	13WA-135.33	2	36.3	92.2	78	77.5	1.7	1	11.5	3.66	33.8	96	44.4	70	133	28
2743	Pullman, WA	13WA-144.10	2	37.3	89.8	82	78.2	n.d.	3	12.1	3.75	32.4	72	40.7	272	147	21
2744	Pullman, WA	13WA-150.1	2	39.2	92.7	66	75.8	1.8	1	12.6	3.40	27.1	100	36.5	306	133	23
2745	Pullman, WA	13WA-153.7	2	39.5	96.4	71	77.1	n.d.	3	12.4	3.96	34.0	114	45.9	38	161	32
2746	Pullman, WA	13WA-155.8	2	35.0	94.1	67	79.3	2.2	1	11.7	3.86	33.5	78	64.6	159	177	28
2747	Pullman, WA	13WA-105.3	2	31.9	40.9	66	69.3	1.8	1	17.5	3.85	22.1	117	49.2	607	140	10
2748	Pullman, WA	13WA-106.8	2	41.7	91.7	48	73.0	n.d.	3	15.6	3.97	26.1	124	49.9	291	162	20
2749	Pullman, WA	13WA-111.1	2	44.1	98.1	50	76.0	2.1	1	16.0	4.35	28.0	166	55.5	585	194	34
2750	Pullman, WA	13WA-114.8	2	40.6	94.1	57	77.0	2.9	2	14.5	4.80	33.2	72	70.9	1074	211	29
2751	Pullman, WA	13WA-156.4	2	34.3	91.9	78	79.2	2.5	1	11.0	4.44	43.0	82	87.7	41	209	47
2752	Pullman, WA	13WA-160.20	2	34.4	90.3	73	78.3	n.d.	3	11.4	4.14	38.8	76	62.9	125	164	32

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2753	Pullman, WA	13WA-160.23	2	33.5	88.7	76	77.2	n.d.	3	11.8	3.60	31.9	71	46.7	164	122	17
2754	Pullman, WA	Champion	2	36.8	87	74	74.8	n.d.	3	15.0	4.10	28.9	102	51.5	405	165	17
2755	Pullman, WA	13WA-116.3	2	41.6	95.8	64	73.0	2.0	1	13.9	3.91	28.4	103	49.2	616	154	19
2756	Pullman, WA	13WA-117.31	2	32.9	56.6	82	73.1	1.9	1	13.2	3.73	29.2	100	45.6	408	143	11
2757	Pullman, WA	13WA-117.34	2	31.5	53.3	77	74.1	2.1	1	12.7	3.54	28.8	86	47.5	333	140	16
2758	Pullman, WA	13WA-118.8	2	37.2	94.8	72	76.9	2.4	2	11.9	3.62	31.1	102	55.2	352	149	27
2759	Pullman, WA	13WA-125.4	2	36.1	92.3	84	74.6	2.5	2	14.2	4.10	29.5	94	41.6	987	160	13
2760	Pullman, WA	13WA-128.14	2	41.1	96.4	70	79.7	2.5	1	12.3	4.84	41.7	104	98.6	64	234	63
2761	Pullman, WA	13WA-128.2	2	36.7	88	69	78.3	2.1	1	12.1	4.18	35.3	116	76.9	320	171	33
2762	Pullman, WA	13WA-135.15	2	35.8	85.4	78	75.9	1.9	1	12.0	3.74	31.5	115	47.3	130	156	26
2763	Pullman, WA	13WA-137.9	2	38.1	92.9	70	77.6	2.9	1	12.7	4.91	40.8	137	88.3	187	254	50
2764	Pullman, WA	13WA-142.4	2	44.2	98	77	80.0	2.5	1	11.7	4.78	42.9	122	87.9	67	229	67
2765	Pullman, WA	13WA-144.1	2	39.7	88.9	67	76.1	n.d.	3	13.5	3.61	27.7	70	44.5	1277	114	14
2766	Pullman, WA	13WA-150.10	2	35.4	85.3	63	78.5	2.5	1	12.1	4.48	39.3	57	78.7	176	223	38
2767	Pullman, WA	13WA-151.6	2	37.8	87	83	78.6	2.4	1	11.5	4.32	39.3	122	81.1	67	180	46
2768	Pullman, WA	13WA-151.7	2	39.2	95.5	73	79.1	2.2	1	12.1	4.70	40.3	120	88.7	76	201	58
2769	Pullman, WA	13WA-152.2	2	34.7	89.4	75	79.3	2.0	1	11.3	4.20	40.1	110	84.9	89	184	48
2770		HARRINGTON MALT CHECK	2	40.7	96.8	73	82.0	2.2	1	11.8	4.79	44.0	125	94.3	66	229	69
2771	Pullman, WA	13WA-158.2	2	36.8	93.9	67	78.6	2.0	1	12.8	3.85	31.3	104	57.4	348	139	32
2772	Pullman, WA	13WA-102.5	2	40.4	91.6	45	79.0	2.3	1	17.6	4.41	25.8	100	54.7	1267	138	33
2773	Pullman, WA	13WA-105.9	2	42.0	90.9	61	75.2	1.9	1	14.2	3.88	27.7	122	56.9	395	153	26
2774	Pullman, WA	13WA-112.7	2	37.2	96	71	81.3	2.4	1	12.3	5.30	45.0	153	110.7	35	284	65
2775	Pullman, WA	13WA-113.6	2	37.1	93.7	73	77.6	n.d.	3	10.7	3.55	33.7	94	60.7	245	140	17
2776	Pullman, WA	13WA-117.20	2	35.0	64.2	77	74.6	1.8	1	12.6	3.54	28.7	106	49.8	329	128	20
2777	Pullman, WA	13WA-158.6	2	38.6	85.7	78	78.0	2.0	1	11.5	3.78	34.5	121	70.3	134	150	34
2778	Pullman, WA	13WA-160.12	2	42.1	99.1	72	81.1	2.2	1	12.4	4.78	41.8	106	92.4	84	236	67
2779	Pullman, WA	13WA-160.5	2	35.1	93	76	77.5	2.7	2	13.2	4.25	33.8	108	69.5	160	178	25
2780	Pullman, WA	13WA-117.23	2	36.1	82	73	77.3	2.1	1	10.9	3.13	29.9	75	50.8	200	129	14
2781	Pullman, WA	13WA-118.1	2	34.1	93.6	64	76.1	3.0	2	13.5	3.93	29.8	100	47.5	102	147	17
2782	Pullman, WA	13WA-118.10	2	33.7	90.4	61	77.5	1.9	1	12.3	3.80	31.0	131	63.8	52	134	38
2783	Pullman, WA	13WA-122.2	2	36.8	94.5	60	78.3	3.0	2	12.4	3.87	32.9	104	59.5	147	164	34
2784	Pullman, WA	13WA-123.1	2	36.6	89	68	76.2	2.5	1	13.0	3.96	32.2	107	56.0	173	143	26
2785	Pullman, WA	13WA-127.7	2	32.8	85.7	69	74.9	3.4	2	12.2	3.73	32.5	97	45.2	146	145	21
2786	Pullman, WA	13WA-129.10	2	41.2	95.7	72	79.0	2.2	1	11.2	3.83	36.4	90	46.1	267	153	29
2787	Pullman, WA	13WA-129.6	2	36.6	91.2	76	78.7	2.6	1	11.6	3.63	33.7	79	54.5	154	129	28
2788	Pullman, WA	13WA-133.6	2	39.8	91.6	73	79.0	2.8	1	11.5	4.33	40.2	112	66.2	87	179	49
2789	Pullman, WA	13WA-135.24	2	39.9	94.2	69	79.1	2.5	1	12.1	3.72	32.8	83	43.5	451	156	27
2790	Pullman, WA	13WA-137.10	2	37.8	95.9	59	79.3	2.8	1	13.1	4.96	40.5	117	77.1	236	230	44
2791	Pullman, WA	13WA-137.4	2	38.7	97.2	69	79.0	2.0	1	12.5	4.87	41.4	117	90.0	209	224	51
2792	Pullman, WA	13WA-137.5	2	39.4	95.4	70	78.8	2.0	1	12.7	4.73	39.0	122	91.7	279	230	49
2793	Pullman, WA	13WA-143.10	2	39.5	94.4	76	81.5	2.1	1	11.6	5.02	45.8	107	85.5	108	233	60
2794	Pullman, WA	13WA-143.11	2	38.8	96.3	76	80.5	2.2	1	12.1	5.03	42.1	136	94.9	60	239	64
2795	Pullman, WA	13WA-143.4	2	39.6	97.1	73	80.8	2.5	1	12.2	5.19	45.9	131	94.9	42	251	64

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2796	Pullman, WA	13WA-145.12	2	39.3	98.3	74	77.8	1.7	1	11.7	3.67	32.8	90	51.3	433	159	26
2797	Pullman, WA	13WA-145.2	2	37.9	94.4	75	78.3	3.2	1	11.8	3.58	31.5	101	57.6	229	139	32
2798	Pullman, WA	13WA-148.4	2	40.2	98	70	81.6	4.1	1	12.7	5.62	45.8	127	101.7	42	262	65
2799	Pullman, WA	13WA-151.1	2	40.6	97	66	79.7	3.6	1	12.1	4.97	41.6	121	85.9	128	235	62
2800	Pullman, WA	13WA-155.10	2	42.7	98.7	71	78.9	3.4	1	11.2	3.69	35.6	82	44.4	266	146	30
2801		HARRINGTON MALT CHECK	2	40.4	95.7	73	82.2	3.8	1	11.7	4.83	44.3	106	85.9	65	225	66
2802	Minot, ND	CONLON	2	46.0	98.8	28	82.3	4.1	1	14.0	5.28	40.5	132	78.3	222	214	53
2803	Minot, ND	PINNACLE	2	41.0	96.5	26	80.8	3.1	1	11.6	4.45	41.2	92	63.8	318	191	52
2804	Minot, ND	LACEY	6	36.5	97.7	29	78.7	3.5	1	15.4	6.14	40.3	181	80.2	195	252	38
2805	Minot, ND	2ND25276	2	42.2	98.2	24	83.4	6.4	1	11.9	6.31	56.3	101	85.7	67	256	55
2806	Minot, ND	2ND32265	2	38.7	96.8	18	80.6	2.8	1	13.3	4.91	37.1	132	76.2	211	211	47
2807	Minot, ND	2ND32310	2	41.4	97.7	35	82.8	9.1	1	10.9	6.39	59.1	80	91.7	68	306	45
2808	Minot, ND	2ND32311	2	40.8	97.9	33	81.5	10.7	1	11.6	7.47	64.6	85	72.8	52	310	50
2809	Minot, ND	2ND32315	2	43.0	98.3	30	78.6	10.0	1	13.5	7.81	54.7	125	62.1	61	311	42
2810	Minot, ND	2ND32322	2	44.0	98.6	30	82.4	7.8	1	11.5	6.48	57.6	99	86.1	16	267	51
2811	Minot, ND	2ND32333	2	43.0	98.4	30	79.1	10.2	2	13.2	6.82	51.0	111	55.0	21	286	43
2812	Minot, ND	2ND32342	2	40.6	98	25	81.4	4.6	1	12.4	5.51	45.0	155	93.9	146	222	65
2813	Minot, ND	2ND32348	2	41.6	97.4	30	81.8	4.8	1	12.7	5.62	47.5	152	84.9	181	224	53
2814	Minot, ND	2ND32374	2	41.8	97.5	31	81.5	5.4	1	11.9	5.95	50.4	169	93.3	85	249	60
2815	Minot, ND	2ND32378	2	38.3	96	26	82.4	3.7	1	12.3	6.18	54.3	145	105.7	150	268	48
2816	Minot, ND	2ND32380	2	39.5	95.5	30	81.5	4.0	1	12.0	6.06	52.7	125	105.3	63	272	55
2817	Minot, ND	2ND32383	2	40.5	97.3	25	81.5	3.0	1	11.3	5.00	45.4	126	98.5	89	224	69
2818	Minot, ND	2ND32462	2	41.1	99	29	82.9	4.3	1	10.9	5.82	53.6	88	92.7	89	274	48
2819	Minot, ND	2ND32529	2	41.8	98.2	31	82.7	4.5	2	12.2	5.76	49.3	95	78.5	91	270	52
2820	Minot, ND	2ND32654	2	44.6	96.7	32	82.5	4.1	1	12.5	6.11	49.7	118	82.0	130	307	51
2821	Minot, ND	2ND32657	2	42.2	95.3	30	84.4	3.5	1	11.0	5.37	51.9	113	99.5	101	256	53
2822	Minot, ND	2ND32658	2	40.4	97.3	29	82.6	3.7	1	11.6	5.57	48.2	140	94.2	61	265	64
2823	Minot, ND	2ND32659	2	43.8	98.6	33	82.9	3.5	1	11.2	5.42	52.8	103	81.2	98	259	62
2824	Minot, ND	2ND32660	2	39.2	96.2	30	82.1	3.6	1	12.2	5.98	50.6	101	81.7	74	255	55
2825	Minot, ND	2ND32667	2	44.4	97	32	82.4	4.2	1	12.1	6.11	52.5	114	77.7	116	281	51
2826	Minot, ND	2ND32686	2	41.6	98.9	27	80.6	4.6	1	13.7	6.38	47.1	155	75.4	60	278	44
2827	Minot, ND	2ND32695	2	45.1	97.9	34	83.0	4.4	2	11.5	5.77	50.5	112	80.8	101	251	53
2828	Minot, ND	2ND32746	2	40.6	95.3	28	82.6	2.8	1	12.8	5.74	45.8	146	71.1	66	227	65
2829	Minot, ND	2ND32784	2	40.0	95.3	28	82.0	2.1	1	12.9	5.14	42.5	113	67.4	228	210	59
2830	Minot, ND	2ND32802	2	40.9	93.7	28	83.2	2.5	1	12.4	5.27	44.4	130	88.4	75	224	69
2831	Minot, ND	2ND32824	2	40.2	95.8	29	82.1	3.2	1	12.1	5.50	48.9	96	83.2	188	233	50
2832		HARRINGTON MALT CHECK	2	39.5	96.8	73	82.2	2.0	1	11.7	4.91	42.6	102	77.4	171	210	57
2833	Minot, ND	2ND32829	2	42.9	96.5	32	81.7	6.2	1	12.1	6.69	55.6	92	79.0	55	287	51
2834	Minot, ND	2ND32831	2	41.2	95.9	28	81.6	3.4	1	13.0	6.33	49.4	118	80.2	181	259	42
2835	Minot, ND	2ND32833	2	43.5	97	29	80.9	3.1	1	13.3	5.88	45.4	116	87.7	138	235	51
2836	Minot, ND	2ND32834	2	44.9	98.1	28	81.6	4.2	1	14.1	6.33	45.5	103	73.0	157	258	43
2837	Minot, ND	2ND32838	2	40.5	96.3	29	82.0	3.9	1	12.7	6.21	49.4	101	72.1	43	299	54
2838	Minot, ND	2ND32854	2	48.9	97.8	30	82.3	2.4	1	13.2	5.35	42.2	107	74.2	124	216	58

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2839	Pullman, WA	13WA-155.2	2	40.5	96.1	76	79.3	1.5	1	11.5	3.99	36.4	87	49.0	295	174	29
2840	Pullman, WA	13WA-158.13	2	37.9	95.1	72	80.0	1.8	1	12.6	4.72	40.1	110	68.5	256	190	50
2841	Pullman, WA	13WA-164.8	2	36.8	96.5	85	81.6	2.0	1	11.6	5.24	48.7	110	91.5	49	252	57
2842	Pullman, WA	13WA-109.1	2	37.7	90.8	69	73.4	n.d.	3	14.5	3.96	28.2	118	51.3	365	163	16
2843	Pullman, WA	13WA-109.4	2	37.7	95.3	75	75.5	n.d.	3	11.5	3.53	31.4	97	49.2	269	139	19
2844	Pullman, WA	13WA-115.4	2	46.5	95.9	50	77.1	2.0	1	15.3	4.60	30.1	129	52.7	338	187	36
2845	Pullman, WA	13WA-115.8	2	43.5	98	57	80.1	2.2	1	13.1	5.18	42.1	108	85.3	282	248	52
2846	Pullman, WA	Champion	2	37.9	90.4	78	77.2	1.6	1	13.2	4.11	32.6	105	57.3	312	163	26
2847	Pullman, WA	13WA-119.3	2	36.6	94	63	79.4	2.5	2	11.1	3.81	35.0	90	68.2	285	182	33
2848	Pullman, WA	13WA-128.17	2	38.0	94.8	72	79.4	2.0	1	11.3	4.52	40.3	103	67.4	402	239	52
2849	Pullman, WA	13WA-128.22	2	34.8	82.8	68	79.6	1.9	1	11.2	4.31	41.1	103	71.6	251	215	43
2850	Pullman, WA	13WA-134.4	2	39.6	89.2	75	76.8	1.7	1	12.4	3.99	33.9	99	48.1	304	178	21
2851	Pullman, WA	13WA-135.1	2	38.4	91.7	79	77.0	n.d.	3	12.8	3.96	31.2	122	43.4	494	173	28
2852	Pullman, WA	13WA-135.12	2	41.9	96.7	70	79.6	2.0	1	11.4	4.10	37.7	112	58.3	72	194	54
2853	Pullman, WA	13WA-135.17	2	38.7	87.7	76	77.0	1.5	1	12.0	3.72	32.4	117	41.1	389	169	25
2854	Pullman, WA	13WA-141.5	2	33.9	90.3	80	76.4	n.d.	3	11.8	3.90	33.5	98	47.8	535	167	19
2855	Pullman, WA	13WA-142.7	2	40.9	97.1	78	78.9	n.d.	3	12.2	3.87	33.8	106	58.7	356	145	34
2856	Pullman, WA	13WA-145.3	2	39.4	95.8	78	80.3	2.6	1	11.9	5.31	47.7	92	92.7	141	301	48
2857	Pullman, WA	13WA-146.1	2	33.7	81.2	87	80.4	2.2	1	10.2	4.67	49.2	97	73.8	25	265	40
2858	Pullman, WA	13WA-111.10	2	44.6	98	63	76.9	1.9	1	14.9	4.50	31.8	144	58.7	309	209	38
2859	Pullman, WA	13WA-146.2	2	39.4	95.2	80	80.5	2.5	1	12.4	5.46	46.2	125	86.6	54	301	64
2860	Pullman, WA	13WA-152.4	2	35.8	95.7	73	79.9	1.9	1	12.0	4.66	41.2	100	75.7	74	242	55
2861	Pullman, WA	13WA-153.3	2	42.8	96.9	79	77.3	2.3	2	11.6	3.76	32.3	126	46.1	186	150	32
2862	Pullman, WA	13WA-158.4	2	39.1	97.1	72	80.0	2.6	1	11.5	5.02	44.7	97	90.3	63	286	57
2863		HARRINGTON MALT CHECK	2	40.5	96.8	73	82.6	2.3	1	11.8	4.94	45.3	103	79.6	78	231	66
2864	Pullman, WA	13WA-158.5	2	41.2	95	74	79.1	2.6	1	11.7	4.75	43.2	84	70.5	65	233	56
2865	Pullman, WA	13WA-158.7	2	36.2	95.4	66	78.7	1.8	1	12.5	4.03	32.8	99	53.0	303	166	31
2866	Pullman, WA	13WA-163.2	2	41.1	96.9	63	77.0	1.6	1	13.8	4.65	34.3	160	68.0	268	213	37
2867	Pullman, WA	13WA-113.7	2	39.2	98.4	71	80.2	2.7	2	12.6	4.64	38.6	127	71.8	183	232	51
2868	Pullman, WA	13WA-117.10	2	39.4	92.1	67	77.1	1.7	1	13.2	4.19	32.6	124	57.2	298	191	36
2869	Pullman, WA	13WA-117.3	2	35.4	80.3	74	75.4	1.8	1	14.1	4.13	30.6	120	55.6	320	185	22
2870	Pullman, WA	13WA-117.6	2	34.0	58.1	76	73.9	1.8	1	12.6	3.90	31.2	104	49.3	378	163	20
2871	Pullman, WA	13WA-121.5	2	41.4	98	65	76.1	n.d.	3	13.5	4.14	31.3	83	47.5	1110	167	16
2872	Pullman, WA	13WA-122.10	2	39.6	94.6	60	78.4	2.2	1	12.5	4.45	38.0	114	70.0	190	212	46
2873	Pullman, WA	13WA-126.1	2	39.7	94.9	68	80.4	1.9	1	10.8	4.47	43.5	86	75.6	122	215	48
2874	Pullman, WA	13WA-128.11	2	40.9	94.8	66	77.7	1.8	1	12.9	4.05	31.6	95	57.6	362	174	31
2875	Pullman, WA	13WA-128.13	2	44.2	98.4	71	79.4	2.4	1	13.1	5.10	39.1	109	90.5	294	258	44
2876	Pullman, WA	13WA-128.19	2	37.6	96.3	71	78.3	2.0	1	12.3	4.19	35.9	101	65.4	412	199	40
2877	Pullman, WA	13WA-134.1	2	37.0	87.8	80	76.9	n.d.	3	11.5	3.69	32.5	89	48.5	304	157	17
2878	Pullman, WA	13WA-135.2	2	37.9	93.1	73	77.5	1.7	1	12.8	4.05	32.9	136	50.2	132	171	37
2879	Pullman, WA	13WA-137.7	2	39.3	95.8	70	78.8	2.8	1	12.6	4.97	41.9	130	70.0	185	250	54
2880	Pullman, WA	13WA-137.8	2	37.5	92.4	67	78.2	2.3	1	14.0	5.58	41.6	132	95.2	269	287	42
2881	Pullman, WA	13WA-141.9	2	34.2	88.8	85	78.9	1.8	1	11.0	3.74	36.5	95	50.4	270	155	26

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2882	Pullman, WA	13WA-146.7	2	38.2	89.9	76	77.9	1.8	1	11.9	3.84	34.1	133	57.7	88	148	38
2883	Pullman, WA	13WA-101.1	2	35.0	91.6	67	77.4	2.8	2	12.2	3.80	32.6	139	49.7	115	153	30
2884	Pullman, WA	13WA-146.8	2	36.5	92	84	79.8	1.7	1	11.7	4.14	37.3	145	83.6	43	189	51
2885	Pullman, WA	13WA-155.7	2	34.7	92	85	77.4	1.5	1	12.0	3.78	33.7	95	55.5	196	136	24
2886	Pullman, WA	13WA-156.3	2	35.8	93	82	79.0	2.2	1	12.1	4.83	42.2	89	91.4	169	210	45
2887	Pullman, WA	13WA-158.17	2	37.9	96.2	81	80.5	2.1	1	12.0	4.59	41.2	95	74.6	181	192	48
2888	Pullman, WA	13WA-164.2	2	42.9	97.9	69	80.1	2.1	1	12.8	4.77	39.4	119	80.0	137	198	55
2889	Pullman, WA	Meresse	2	28.5	57.8	73	76.6	2.5	2	13.7	3.90	28.8	67	50.5	1098	161	8
2890	Pullman, WA	13WA-101.10	2	39.5	96.7	66	75.1	2.8	2	13.6	3.84	29.4	138	52.8	184	158	22
2891	Pullman, WA	13WA-109.5	2	40.7	96.2	59	75.2	2.9	2	13.4	3.82	28.5	118	50.0	152	155	23
2892	Pullman, WA	13WA-110.1	2	40.1	95.1	62	75.7	1.7	1	15.1	3.63	24.1	116	41.3	443	132	19
2893		LACEY MALT CHECK	2	33.0	87.1	43	79.6	2.8	1	13.4	5.49	43.0	163	90.8	30	279	55
2894		HARRINGTON MALT CHECK	2	39.1	95.7	72	82.4	2.1	1	11.4	4.67	42.2	115	87.5	62	239	64
2895	Aberdeen, ID	Harrington	2	41.0	96	39	80.9	3.0	1	12.1	5.03	44.2	109	77.4	36	260	63
2896	Aberdeen, ID	ACMetcalfe	2	38.4	94.2	45	79.9	2.8	1	13.4	5.20	40.5	160	88.0	21	273	59
2897	Aberdeen, ID	CDC Copeland	2	40.4	97	39	80.2	6.3	2	13.0	6.52	51.8	118	82.9	17	337	45
2898	Aberdeen, ID	CDC Kindersley	2	38.3	95.8	36	79.8	3.8	2	14.0	5.57	41.5	149	72.5	20	295	53
2899	Aberdeen, ID	Conrad	2	40.3	96.2	36	78.6	3.4	1	14.6	5.66	41.0	150	85.4	49	305	49
2900	Aberdeen, ID	Voyager	2	39.8	97.6	38	80.3	4.4	1	12.4	5.50	46.2	134	80.0	20	292	64
2901	Aberdeen, ID	M69	2	41.0	97.5	36	80.9	2.5	1	11.5	4.80	43.9	103	79.7	18	276	63
2902		HARRINGTON MALT CHECK	2	40.7	95.9	75	82.7	1.8	1	11.0	4.65	42.9	120	89.1	76	238	61
2903		LACEY MALT CHECK	2	33.2	88.5	42	79.5	2.4	1	13.2	5.40	43.3	167	92.8	25	279	55
2904	Aberdeen, ID	2Ab07-X04M219-46	2	35.0	86.5	43	79.1	2.2	1	13.8	4.91	36.6	145	79.0	69	239	42
2905	Aberdeen, ID	2Ab08-X04M278-35	2	42.6	95.3	45	81.8	3.0	1	12.7	5.38	46.0	138	90.5	44	216	70
2906	Aberdeen, ID	2Ab08-X04M282-48	2	34.6	85	36	79.4	3.3	1	13.2	5.64	43.5	133	106.0	66	253	48
2907	Aberdeen, ID	2Ab08-X05M010-65	2	36.8	93.2	33	80.5	3.2	1	12.2	5.12	44.4	120	83.0	53	209	59
2908	Aberdeen, ID	2Ab08-X05M010-82	2	34.3	87.6	27	78.5	4.4	1	13.4	5.97	46.8	120	86.5	48	229	45
2909	Aberdeen, ID	2Ab09-X05M023-16	2	39.5	95.3	41	80.9	3.2	1	11.3	5.13	48.5	119	85.2	41	216	56
2910	Aberdeen, ID	2Ab09-X05M049-2	2	42.8	98.6	50	81.6	3.4	1	11.7	5.05	44.9	104	71.9	50	204	67
2911	Aberdeen, ID	08ARS068-5	2	37.8	94.1	46	79.5	3.4	1	13.8	5.38	41.8	125	76.6	63	215	52
2912	Aberdeen, ID	08ARS031-16	2	41.5	97.1	35	79.6	3.7	1	13.8	5.53	42.2	119	77.0	121	220	49
2913	Aberdeen, ID	08ARS043-28	2	42.3	95.9	40	80.3	3.3	1	13.6	6.06	47.5	122	92.5	50	253	45
2914	Aberdeen, ID	08ARS112-75	2	42.5	97.2	36	81.1	2.4	1	11.2	4.72	44.9	114	88.9	119	190	61
2915	Aberdeen, ID	08ARS116-91	2	38.8	97	31	81.2	4.7	2	12.3	5.60	47.1	119	63.9	42	235	58
2916	Pullman, WA	13WA-120.1	2	42.7	96.1	66	77.2	1.7	1	12.4	3.78	33.1	101	59.5	202	126	33
2917	Pullman, WA	13WA-121.7	2	40.5	95	60	77.5	n.d.	3	13.3	3.69	28.3	100	40.2	995	120	22
2918	Pullman, WA	13WA-128.12	2	40.1	96.5	71	79.2	n.d.	3	12.0	3.97	34.2	90	55.2	473	158	30
2919	Pullman, WA	13WA-128.24	2	40.1	96.4	71	78.1	2.1	1	12.5	4.31	36.4	117	76.5	388	175	39
2920	Pullman, WA	13WA-128.25	2	41.7	95.7	66	78.9	2.2	1	12.9	4.80	39.6	102	84.6	139	196	51
2921	Pullman, WA	13WA-128.3	2	39.4	95.2	68	78.5	2.0	1	12.6	4.43	38.2	101	79.1	247	175	41
2922	Pullman, WA	13WA-128.9	2	40.3	96.9	79	80.7	2.2	1	11.9	4.89	42.5	90	87.6	152	215	52
2923	Pullman, WA	13WA-135.14	2	42.1	93.2	68	76.0	1.7	1	12.8	3.76	29.9	108	40.6	438	124	30
2924	Pullman, WA	Baronesse	2	35.4	88.5	85	76.2	n.d.	3	11.4	3.31	29.8	89	41.1	158	100	17

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2925	Pullman, WA	13WA-135.19	2	39.3	94.8	74	77.8	1.7	1	12.2	3.66	32.3	100	43.3	75	119	34
2926	Pullman, WA	13WA-141.10	2	32.6	71.8	79	76.2	2.4	2	11.7	3.35	29.8	73	39.6	1018	110	11
2927	Pullman, WA	13WA-142.3	2	36.4	91.6	82	77.7	1.7	1	11.3	3.89	35.9	129	69.0	181	142	31
2928	Pullman, WA	13WA-101.8	2	40.0	97.4	49	75.7	2.9	2	14.2	4.53	32.6	143	60.6	175	177	29
2929	Pullman, WA	13WA-106.11	2	39.1	86.4	48	74.9	n.d.	3	14.8	3.90	27.9	112	53.8	404	134	16
2930	Pullman, WA	13WA-106.12	2	43.4	96.5	52	76.1	2.1	2	13.9	3.79	28.5	100	54.8	507	134	22
2931	Pullman, WA	13WA-106.5	2	40.5	95.4	52	76.1	n.d.	3	13.7	3.86	29.1	89	52.0	355	139	16
2932	Pullman, WA	13WA-142.6	2	37.3	94.1	74	76.6	n.d.	3	12.1	3.59	32.1	100	55.1	386	114	26
2933	Pullman, WA	13WA-145.7	2	38.4	95.3	69	77.5	1.9	1	12.0	3.55	31.1	99	48.4	233	134	23
2934		HARRINGTON MALT CHECK	2	40.1	96.1	71	82.5	2.3	1	11.6	4.89	45.0	117	92.1	109	236	62
2935	Pullman, WA	13WA-152.1	2	37.6	97.1	78	78.9	n.d.	3	11.9	3.49	31.8	89	52.8	157	127	26
2936	Pullman, WA	13WA-160.8	2	39.6	95.6	67	77.3	n.d.	3	12.8	3.44	28.9	95	51.5	475	111	24
2937	Pullman, WA	Baronesse	2	41.7	98.2	66	76.5	n.d.	3	13.1	3.54	28.2	109	55.2	227	137	25
2938	Pullman, WA	13WA-111.4	2	43.6	99.1	66	80.6	1.9	1	13.1	4.73	37.6	143	86.2	135	219	53
2939	Pullman, WA	13WA-111.7	2	43.4	98.3	68	78.5	1.6	1	13.4	3.72	28.4	141	52.0	338	130	35
2940	Pullman, WA	13WA-111.8	2	38.8	92.2	64	77.1	1.6	1	14.2	3.76	27.3	117	60.9	367	136	20
2941	Pullman, WA	13WA-114.2	2	38.0	91	67	77.2	2.9	2	11.2	4.07	37.5	70	85.5	1031	166	26
2942	Pullman, WA	13WA-114.5	2	42.4	95.8	57	77.3	2.6	2	13.8	3.94	29.7	79	57.4	1278	144	18
2943	Pullman, WA	13WA-117.12	2	41.1	95.8	71	78.6	1.6	1	12.5	3.90	32.0	100	59.2	289	153	32
2944	Pullman, WA	13WA-117.22	2	38.2	91.8	73	79.0	1.5	1	11.1	3.45	33.9	85	60.8	216	149	30
2945	Pullman, WA	13WA-122.6	2	36.7	92.7	70	76.8	3.0	2	12.6	4.08	33.4	114	77.9	205	171	30
2946	Pullman, WA	13WA-127.5	2	32.2	87.2	69	74.5	n.d.	3	12.7	3.82	31.1	102	49.5	87	130	28
2947	Pullman, WA	13WA-132.8	2	34.5	82	73	77.2	1.9	1	11.3	3.67	32.6	86	57.0	161	128	19
2948	Pullman, WA	13WA-135.22	2	38.4	97.6	72	78.5	2.0	1	12.8	4.32	35.7	92	64.3	274	173	33
2949	Pullman, WA	13WA-135.26	2	40.0	95.7	68	78.3	2.3	2	11.6	3.47	32.1	84	39.4	519	116	22
2950	Pullman, WA	13WA-137.1	2	39.4	97.4	58	78.8	2.5	1	13.4	5.12	39.4	124	78.1	180	228	44
2951	Pullman, WA	13WA-143.5	2	36.2	94.2	79	81.3	2.3	1	11.7	4.94	44.4	113	93.5	45	213	62
2952	Pullman, WA	13WA-137.3	2	37.8	94.22	66	80.4	2.2	1	11.2	4.45	42.3	109	96.1	129	198	55
2953	Pullman, WA	13WA-144.8	2	39.7	96.9	69	76.5	n.d.	3	11.2	3.31	31.1	51	40.7	1330	113	21
2954	Pullman, WA	13WA-148.6	2	34.5	94.7	66	81.4	2.3	1	12.1	5.13	45.7	104	90.3	91	234	62
2955	Pullman, WA	13WA-151.2	2	40.2	91.3	79	79.9	1.9	1	11.4	4.71	44.4	103	86.8	37	222	63
2956	Pullman, WA	13WA-151.5	2	40.4	96	80	80.3	2.1	1	11.3	4.83	45.6	124	87.3	40	213	66
2957	Pullman, WA	13WA-160.18	2	37.4	97.4	76	81.9	2.0	1	10.6	4.58	44.2	92	90.6	44	227	53
2958	Pullman, WA	13WA-160.19	2	36.6	96.2	77	81.5	2.1	1	11.0	4.78	47.6	76	82.0	44	207	48
2959	Pullman, WA	13WA-160.2	2	34.2	89.4	72	78.2	1.5	1	11.3	3.42	33.0	62	44.1	353	111	23
2960	Pullman, WA	Harrington	2	33.1	89.8	75	79.4	1.8	1	12.3	4.72	40.3	120	85.9	81	204	57
2961	Pullman, WA	13WA-110.10	2	39.8	94.8	59	76.4	1.4	1	15.2	3.91	26.3	129	45.3	383	124	20
2962	Pullman, WA	13WA-111.12	2	42.0	97.6	65	80.9	2.1	1	12.9	5.32	43.3	148	88.6	88	233	66
2963	Pullman, WA	13WA-115.1	2	45.3	98.3	50	79.5	2.6	1	14.3	5.15	37.8	132	99.3	230	231	45
2964	Pullman, WA	13WA-115.11	2	43.8	97	49	80.4	2.5	1	14.0	5.37	39.2	113	90.1	147	260	45
2965		HARRINGTON MALT CHECK	2	40.3	97	74	82.7	1.8	1	11.9	4.81	42.8	104	87.9	103	206	62
2966	McVile, ND	CONLON	2	42.4	98.6	26	81.8	2.4	1	12.7	5.06	42.1	136	86.8	377	198	63
2967	McVile, ND	PINNACLE	2	40.3	97.8	22	81.6	3.2	1	11.0	4.90	44.9	105	73.1	219	195	59

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
2968	McVile, ND	LACEY	6	33.3	97.4	25	79.8	3.4	1	12.7	6.02	48.2	152	81.5	59	260	58
2969	McVile, ND	2ND25276	2	35.9	96.4	23	82.3	6.0	1	11.0	5.58	53.3	91	94.9	107	259	44
2970	McVile, ND	2ND32265	2	37.9	97.4	12	81.3	2.9	1	12.9	5.07	42.3	117	79.6	214	207	55
2971	McVile, ND	2ND32310	2	40.1	98.2	21	82.8	10.6	1	11.2	6.55	61.1	65	80.2	41	293	50
2972	McVile, ND	2ND32311	2	38.6	97.3	23	81.8	12.5	1	11.8	7.42	65.4	65	81.4	74	331	48
2973	McVile, ND	2ND32315	2	41.3	97.5	25	81.3	8.2	1	12.6	7.37	59.1	91	77.5	44	302	50
2974	McVile, ND	2ND32322	2	41.3	98.1	25	83.2	5.4	1	11.2	5.83	52.3	87	106.1	59	242	53
2975	McVile, ND	2ND32333	2	40.1	98.7	25	82.4	6.6	1	11.9	6.32	56.1	113	82.7	21	292	54
2976	McVile, ND	2ND32342	2	38.7	97.7	20	81.8	3.3	1	11.5	5.17	48.6	145	105.7	48	207	62
2977	McVile, ND	2ND32348	2	36.7	97	25	82.0	3.5	1	11.8	5.53	48.9	134	83.7	184	244	53
2978	McVile, ND	2ND32374	2	38.1	98.2	27	81.9	4.8	1	11.7	5.93	52.1	139	98.6	100	277	54
2979	McVile, ND	2ND32378	2	36.5	96.5	22	82.6	5.3	1	11.6	6.04	54.0	135	100.4	119	315	49
2980	McVile, ND	2ND32380	2	39.4	98.2	21	82.1	5.6	1	11.9	6.26	53.8	109	96.2	70	330	52
2981	McVile, ND	2ND32383	2	37.6	97.6	22	81.4	4.2	1	11.1	5.53	50.2	106	101.8	139	286	53
2982	McVile, ND	2ND32462	2	39.3	98.1	22	82.8	5.5	1	11.2	6.20	56.6	89	103.1	75	327	48
2983	McVile, ND	2ND32529	2	40.7	98.8	22	83.7	7.1	1	10.9	6.31	57.5	81	80.8	46	286	45
2984	McVile, ND	2ND32654	2	41.7	97.6	25	82.9	6.9	1	11.6	6.16	54.7	89	77.8	57	308	50
2985	McVile, ND	2ND32657	2	40.2	95.9	27	84.0	4.9	1	10.7	5.46	52.0	101	100.3	38	278	56
2986	McVile, ND	2ND32658	2	38.2	96.5	26	83.4	4.9	1	10.9	5.75	54.4	103	81.6	68	246	50
2987	McVile, ND	2ND32659	2	41.4	97.4	24	83.6	3.9	1	10.6	5.52	52.6	110	87.4	139	289	52
2988	McVile, ND	2ND32660	2	36.4	94.4	22	83.3	4.8	1	11.1	5.86	53.8	108	90.7	43	312	53
2989	McVile, ND	2ND32667	2	40.7	96.6	26	83.2	5.1	1	11.7	6.14	54.3	108	82.1	109	299	50
2990	McVile, ND	2ND32686	2	40.0	98.3	21	81.6	5.4	1	12.4	6.40	53.0	126	81.6	81	341	55
2991	McVile, ND	2ND32695	2	41.7	97.8	21	83.2	5.5	1	11.6	6.00	55.2	110	81.8	141	341	53
2992	McVile, ND	2ND32746	2	40.1	97.2	25	83.2	4.3	1	12.6	6.10	48.6	132	67.3	126	297	53
2993	McVile, ND	2ND32784	2	36.7	96.7	23	81.3	3.2	1	11.4	5.23	47.4	98	71.0	149	257	49
2994	McVile, ND	2ND32802	2	41.3	95.6	22	82.4	6.0	1	11.9	5.59	48.5	105	84.4	102	267	57
2995	McVile, ND	2ND32824	2	39.9	96.7	22	83.9	4.8	1	11.0	5.74	53.1	71	70.8	155	276	44
2996		HARRINGTON MALT CHECK	2	40.0	96.6	73	82.3	2.4	1	11.6	4.86	43.8	95	83.0	163	222	55
2997	McVile, ND	2ND32829	2	44.1	97.6	21	83.2	6.3	1	11.8	6.27	53.3	81	75.7	50	317	51
2998	McVile, ND	2ND32831	2	43.4	98	20	81.4	5.6	1	13.0	6.35	50.6	95	79.8	154	328	44
2999	McVile, ND	2ND32833	2	43.1	98.1	22	82.6	4.3	1	12.3	5.97	50.0	100	87.3	190	313	47
3000	McVile, ND	2ND32834	2	45.5	99	21	81.6	4.2	1	12.8	6.08	49.6	91	70.4	175	314	44
3001	McVile, ND	2ND32838	2	42.1	97.3	23	81.8	4.2	1	12.4	5.92	50.7	89	72.7	50	325	54
3002	McVile, ND	2ND32854	2	46.5	98.4	16	82.1	3.1	1	11.9	5.12	44.9	90	82.1	276	259	56
3003	Ray, ND	ROBUST	6	36.5	96.9	40	79.9	4.0	1	14.1	5.59	42.1	186	62.3	351	288	53
3004	Ray, ND	LACEY	6	37.9	98.4	41	80.8	2.3	1	13.3	5.66	45.2	186	81.2	116	293	70
3005	Ray, ND	TRADITION	6	36.8	98.1	45	80.4	2.2	1	13.0	5.16	42.0	204	78.6	197	263	54
3006	Ray, ND	STELLAR-ND	6	38.2	98.1	46	80.6	2.4	1	12.7	5.56	46.6	196	84.3	76	294	70
3007	Ray, ND	QUEST	6	34.2	95.4	43	80.6	2.4	1	12.5	5.54	46.9	170	82.4	363	296	63
3008	Ray, ND	ND22421	6	37.9	97.9	39	79.9	2.6	1	13.3	6.25	49.8	158	84.7	116	285	58
3009	Ray, ND	ND32858	6	37.0	96	40	80.2	2.8	1	13.6	6.25	49.2	188	86.1	74	302	53
3010	Ray, ND	ND32889	6	37.1	97.8	51	80.9	2.4	1	11.9	5.82	51.1	150	84.1	72	290	61

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3011	Ray, ND	ND32890	6	36.7	97.6	46	81.2	2.2	1	11.8	5.82	52.4	171	88.0	57	292	61
3012	Ray, ND	ND32898	6	38.1	96.6	45	81.1	2.1	1	11.9	5.57	49.3	208	85.1	89	269	65
3013	Ray, ND	ND32900	6	37.2	96.2	43	80.2	2.3	1	13.1	6.44	50.2	206	92.3	33	333	58
3014	Ray, ND	ND32902	6	36.0	96.3	47	80.5	2.4	1	13.3	6.37	49.4	223	83.4	103	311	58
3015	Ray, ND	ND32918	6	37.1	96.8	42	79.7	2.5	1	13.7	6.75	51.1	183	92.1	138	337	49
3016	Ray, ND	ND32920	6	37.2	98.1	48	80.3	2.3	1	13.2	6.19	49.5	193	81.9	120	303	54
3017	Ray, ND	ND32923	6	35.9	97.3	43	81.0	2.4	1	12.8	6.21	51.8	182	96.3	90	313	58
3018	Ray, ND	ND32935	6	34.1	94.6	39	80.3	2.3	1	14.1	6.30	46.9	209	90.2	165	288	49
3019	Ray, ND	ND32941	6	37.1	97.7	39	80.9	2.6	1	13.0	6.35	51.0	160	85.8	58	308	58
3020	Ray, ND	ND32942	6	37.0	96.5	43	80.9	2.3	1	12.4	5.94	49.2	175	79.2	119	279	61
3021	Ray, ND	ND32943	6	38.1	97.8	39	79.9	2.5	1	13.4	6.28	47.6	203	84.1	84	302	58
3022	Ray, ND	ND32944	6	37.2	98.3	45	80.0	2.6	1	13.9	6.74	51.1	211	79.4	99	309	53
3023	Ray, ND	ND32987	6	34.8	97.1	42	79.4	2.3	1	13.5	5.28	40.3	206	77.4	136	276	61
3024	Ray, ND	ND33141	6	35.8	96.6	47	78.7	2.6	1	13.6	6.27	48.3	198	99.7	38	339	50
3025	Ray, ND	ND33237	6	37.4	97	45	79.9	2.4	1	12.5	4.94	41.6	166	71.1	202	239	54
3026	Ray, ND	ND33238	6	40.0	98.4	47	80.2	2.3	1	12.4	5.28	46.0	153	75.1	131	270	66
3027		LACEY MALT CHECK		33.3	88.3	42	79.5	2.7	1	13.7	5.85	45.4	172	89.2	30	286	61
3028	Ray, ND	ND33297	6	35.1	97.3	43	80.1	2.3	1	13.7	5.97	46.9	186	83.2	70	268	61
3029	Ray, ND	ND33325	6	34.6	96.7	40	80.8	2.7	1	11.2	4.63	43.2	142	74.0	88	204	58
3030	Ray, ND	ND33387	6	37.8	96.9	48	79.9	2.6	1	13.4	5.86	44.5	185	74.1	140	278	62
3031	Ray, ND	ND33389	6	35.5	96.2	40	80.1	2.6	1	12.8	5.49	43.4	173	74.1	97	252	70
3032	Ray, ND	ND33408	6	36.9	97.7	43	80.6	2.2	1	12.4	5.20	44.1	160	78.2	56	221	66
3033	Ray, ND	ND33413	6	35.2	95.8	41	80.6	2.7	1	12.1	4.93	43.8	146	70.6	86	213	66
3034	Ray, ND	ND33420	6	34.0	96.4	37	80.5	2.6	1	13.3	5.15	41.0	156	72.2	44	253	61
3035	Ray, ND	ND33440	6	34.2	96.7	40	79.5	2.4	1	13.1	5.10	40.0	191	78.1	85	273	61
3036	Ray, ND	ND33445	6	37.0	97.5	44	80.3	2.2	1	13.3	5.45	43.0	190	84.6	92	259	70
3037	Ray, ND	ND33497	6	36.2	96.8	41	79.3	2.2	1	12.8	5.28	41.7	171	71.5	177	246	58
3038	Ray, ND	ND33504	6	37.2	97.8	46	80.1	2.3	1	14.0	6.13	45.2	203	83.0	114	259	53
3039	Pullman, WA	13WA-121.1	2	37.3	96.8	74	75.6	1.9	1	13.9	3.96	29.4	95	41.7	469	162	11
3040	Pullman, WA	13WA-164.5	2	34.2	92.4	74	80.3	2.5	1	11.9	5.76	49.0	103	114.3	22	275	50
3041	Pullman, WA	13WA-164.9	2	34.3	97	81	79.3	2.2	1	11.9	4.77	43.8	94	94.6	26	235	52
3042	Pullman, WA	13WA-115.9	2	39.9	95.9	52	77.9	2.0	1	12.9	3.85	30.0	63	60.5	165	149	26
3043	Pullman, WA	13WA-116.4	2	41.2	98.4	66	72.8	1.8	1	14.0	4.10	29.7	97	51.7	753	185	24
3044	Pullman, WA	13WA-119.1	2	49.4	96.3	65	75.8	n.d.	3	13.9	4.40	32.8	111	49.1	176	163	25
3045	Pullman, WA	13WA-128.20	2	40.8	96.3	68	75.9	n.d.	3	13.5	4.22	31.7	105	53.9	281	168	28
3046	Pullman, WA	13WA-128.5	2	39.7	95.8	76	77.4	2.0	2	12.8	4.06	33.5	88	61.7	423	170	28
3047	Pullman, WA	13WA-133.7	2	34.6	87.9	91	77.2	n.d.	3	10.9	3.30	31.2	83	44.0	553	113	12
3048	Pullman, WA	13WA-134.3	2	36.6	88.3	77	77.7	n.d.	3	11.4	3.80	35.2	88	49.2	258	142	17
3049	Pullman, WA	13WA-135.18	2	38.4	96	70	77.7	n.d.	3	11.3	3.64	33.8	78	45.6	122	146	24
3050	Pullman, WA	13WA-140.3	2	34.4	83.5	84	75.9	2.1	2	12.7	3.71	29.3	112	51.6	192	137	22
3051	Pullman, WA	13WA-145.9	2	38.1	96.2	73	78.3	1.9	1	12.7	4.54	36.8	102	84.6	325	210	46
3052	Pullman, WA	13WA-146.10	2	34.7	79.3	88	78.1	1.8	1	11.3	3.85	34.7	106	59.7	64	171	34
3053	Pullman, WA	13WA-146.3	2	39.9	91.9	82	77.8	1.8	1	12.6	4.32	35.8	132	65.5	39	211	48

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3054	Pullman, WA	13WA-153.5	2	38.9	93.5	75	76.8	2.7	2	11.9	3.63	31.5	105	50.2	119	157	32
3055	Pullman, WA	13WA-153.6	2	42.4	96.2	82	76.8	2.1	2	12.5	3.98	33.0	123	51.9	102	191	43
3056	Pullman, WA	13WA-153.8	2	41.9	96	79	78.5	n.d.	3	10.9	3.92	37.2	113	47.2	25	163	33
3057	Pullman, WA	13WA-160.9	2	40.2	95.5	65	78.6	2.0	1	13.2	4.63	36.8	105	68.2	141	208	46
3058		HARRINGTON MALT CHECK	2	40.2	96.2	75	82.1	2.2	1	11.7	5.10	47.4	114	86.8	46	250	61
3059	Pullman, WA	13WA-101.4	2	38.5	96.7	42	74.6	n.d.	3	16.3	4.32	27.9	187	53.0	197	153	24
3060	Pullman, WA	13WA-101.5	2	41.4	98	54	75.5	n.d.	3	15.5	4.08	26.9	201	49.6	199	157	23
3061	Pullman, WA	13WA-101.6	2	40.1	96.7	49	74.5	n.d.	3	15.9	4.34	28.1	181	46.0	260	175	23
3062	Pullman, WA	13WA-106.3	2	45.8	97.4	49	75.2	1.7	1	14.3	4.27	30.0	130	57.3	348	179	29
3063	Pullman, WA	13WA-111.3	2	39.4	97.2	59	79.8	1.7	1	13.2	4.47	35.2	145	75.6	85	221	54
3064	Pullman, WA	13WA-114.3	2	37.3	94.9	66	79.4	2.0	1	12.1	4.86	41.7	125	99.7	137	209	55
3065	Pullman, WA	13WA-117.14	2	36.2	80.3	77	76.1	1.5	1	12.2	3.41	30.0	95	49.3	372	124	16
3066	Pullman, WA	13WA-118.4	2	35.3	94.6	71	78.2	1.4	1	12.6	3.99	32.5	100	55.1	70	124	39
3067	Pullman, WA	13WA-122.11	2	37.6	95	63	80.0	2.1	1	11.9	5.19	44.9	107	99.7	63	261	59
3068	Pullman, WA	13WA-122.3	2	35.5	83.2	68	79.5	2.2	1	11.4	5.00	44.8	100	105.8	24	265	50
3069	Pullman, WA	13WA-122.7	2	31.9	76	71	77.1	1.6	1	12.8	4.16	33.2	105	75.7	130	201	34
3070	Pullman, WA	13WA-127.8	2	34.8	93.5	65	75.0	n.d.	3	12.7	3.90	31.6	112	49.3	123	168	26
3071	Pullman, WA	13WA-128.10	2	38.9	96	65	78.2	1.8	1	13.0	4.63	36.6	114	81.2	195	235	41
3072	Pullman, WA	13WA-129.1	2	41.4	96.3	70	78.1	1.5	1	11.7	3.71	32.4	113	49.7	100	163	40
3073	Pullman, WA	13WA-133.3	2	37.9	95	80	79.9	1.8	1	10.8	4.10	40.4	90	59.1	91	196	46
3074	Pullman, WA	13WA-135.21	2	38.2	95.6	77	78.5	n.d.	3	11.8	3.75	32.6	96	46.3	384	154	25
3075	Pullman, WA	13WA-145.10	2	38.2	96.5	69	79.1	1.9	1	11.5	4.23	38.2	88	80.2	214	214	38
3076	Pullman, WA	13WA-148.2	2	40.2	96.5	75	81.1	2.1	1	12.2	5.17	43.6	119	92.0	83	262	66
3077	Pullman, WA	13WA-150.8	2	33.1	89.6	69	79.5	1.8	2	11.0	3.64	34.3	101	57.2	111	162	35
3078	Pullman, WA	13WA-151.3	2	41.4	95.9	82	80.3	1.8	1	11.9	5.08	43.5	131	93.2	135	251	62
3079	Pullman, WA	13WA-151.4	2	41.3	95.9	74	80.3	2.2	1	11.9	5.37	46.6	119	95.4	129	270	59
3080	Pullman, WA	13WA-153.9	2	41.0	95.2	74	77.5	1.9	1	11.6	3.92	36.1	107	53.7	138	172	35
3081	Pullman, WA	13WA-158.15	2	38.4	95.8	80	80.0	1.6	1	11.8	3.86	34.6	101	55.1	236	156	37
3082	Pullman, WA	13WA-158.16	2	37.2	92.9	84	80.4	1.8	1	10.9	4.35	41.6	90	70.1	144	187	40
3083	Pullman, WA	13WA-106.2	2	45.7	97.9	55	76.7	2.0	2	13.5	4.23	33.0	99	67.5	395	175	21
3084	Pullman, WA	13WA-106.4	2	41.5	96.3	61	76.4	3.0	2	13.4	4.32	33.8	86	61.9	388	166	25
3085	Pullman, WA	13WA-106.6	2	44.3	96.8	54	75.7	1.5	1	14.3	4.09	28.9	94	51.6	550	166	22
3086	Pullman, WA	13WA-117.17	2	37.0	88.3	72	77.5	1.4	1	11.8	3.57	32.7	88	56.0	217	149	22
3087	Pullman, WA	13WA-117.4	2	34.1	68.3	84	73.6	1.5	1	13.8	3.73	28.4	97	53.5	400	163	9
3088	Pullman, WA	13WA-118.2	2	35.5	93.6	70	77.8	2.5	2	11.6	3.65	32.6	84	50.1	262	153	23
3089		HARRINGTON MALT CHECK	2	40.1	95.9	72	82.1	2.7	1	11.7	5.15	47.9	97	85.5	39	272	55
3090	Pullman, WA	13WA-160.15	2	39.1	98	67	81.3	2.1	1	11.9	5.02	45.4	75	90.3	69	250	60
3091	Pullman, WA	13WA-164.4	2	37.1	97.1	70	79.8	2.2	1	13.1	5.35	42.6	121	99.1	55	252	57
3092	Pullman, WA	13WA-127.9	2	34.7	91.4	66	75.6	n.d.	3	12.2	3.95	33.1	102	53.7	81	159	33
3093	Pullman, WA	13WA-129.7	2	38.8	94	65	75.7	2.6	2	13.2	3.94	30.0	114	52.8	197	147	24
3094	Pullman, WA	13WA-133.1	2	38.2	92.6	79	78.5	n.d.	3	11.3	3.86	34.8	81	49.2	196	156	25
3095	Pullman, WA	13WA-133.4	2	43.6	97.6	72	80.5	2.0	1	12.1	5.08	44.2	102	75.5	76	233	64
3096	Pullman, WA	13WA-135.25	2	39.0	95.2	74	78.5	2.4	2	11.5	3.81	34.9	78	44.6	334	153	26

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3097	Pullman, WA	13WA-135.27	2	37.1	94.4	69	78.5	3.2	2	11.0	3.68	34.9	86	51.6	41	148	34
3098	Pullman, WA	13WA-143.1	2	36.3	94.8	82	81.3	2.1	1	11.5	5.31	48.9	101	94.4	35	249	57
3099	Pullman, WA	13WA-145.13	2	39.6	97.8	68	78.4	1.8	1	11.5	4.04	37.4	91	70.4	156	176	33
3100	Pullman, WA	13WA-148.5	2	37.5	95.6	74	82.0	2.3	1	11.8	5.03	44.2	108	85.9	129	229	58
3101	Pullman, WA	13WA-149.1	2	38.1	97.1	68	78.7	1.7	1	11.7	3.65	32.7	119	65.2	171	141	34
3102	Pullman, WA	13WA-150.7	2	38.0	96.1	62	80.0	2.1	1	12.5	4.56	38.6	110	80.9	114	222	52
3103	Pullman, WA	13WA-155.1	2	39.2	97.7	79	78.7	1.6	1	11.1	3.79	35.1	82	45.1	344	145	27
3104	Pullman, WA	13WA-155.11	2	38.8	97.9	77	79.1	1.8	1	12.5	4.04	33.6	89	50.3	267	186	36
3105	Pullman, WA	13WA-156.5	2	34.6	91.8	75	76.1	2.7	2	12.7	3.75	30.8	79	64.3	310	181	26
3106	Pullman, WA	13WA-158.10	2	38.4	97.6	85	81.3	2.0	1	11.6	5.11	46.8	105	81.4	100	252	60
3107	Pullman, WA	13WA-158.11	2	39.4	96.3	74	79.6	1.9	1	11.9	4.93	42.6	111	78.6	340	248	54
3108	Pullman, WA	13WA-158.14	2	39.0	97.3	76	81.9	1.8	1	11.6	4.84	44.9	115	80.5	142	250	60
3109	Pullman, WA	13WA-160.16	2	39.4	98.3	69	82.2	2.0	1	12.0	5.18	45.1	91	86.3	101	273	56
3110	Pullman, WA	13WA-160.17	2	40.6	98.8	72	82.6	2.0	1	12.0	5.07	45.9	91	85.3	88	266	62
3111	Pullman, WA	13WA-164.6	2	37.8	92.3	73	81.4	2.0	1	11.3	4.85	45.4	109	78.9	95	258	62
3112	Aberdeen,ID	Harrington	2	41.6	97.5	39	81.4	2.2	1	12.0	5.26	47.1	126	76.6	60	262	64
3113	Aberdeen,ID	ACMetcalfe	2	40.6	96.1	47	81.5	2.4	1	12.2	5.23	44.4	145	85.7	26	255	69
3114	Aberdeen,ID	CDC Copeland	2	41.8	97.3	37	80.3	4.3	1	12.7	6.48	53.1	134	79.0	18	288	54
3115	Aberdeen,ID	CDC Kindersley	2	39.2	97.6	41	81.0	2.7	1	11.4	4.78	42.8	129	70.2	20	226	64
3116	Aberdeen,ID	Conrad	2	41.2	98.3	34	80.4	2.1	1	11.9	5.04	44.9	139	87.1	42	253	66
3117	Aberdeen,ID	Merit57	2	39.1	97.4	48	81.9	2.3	1	11.2	4.71	45.8	115	85.3	34	242	64
3118	Aberdeen,ID	Voyager	2	41.7	98.8	37	81.2	3.9	1	11.6	5.58	48.6	143	68.5	33	279	64
3119	Aberdeen,ID	M69	2	41.1	96.4	33	80.2	2.4	1	12.7	5.66	46.5	141	82.0	18	312	62
3120		HARRINGTON MALT CHECK	2	40.0	96.1	73	82.6	1.9	1	12.1	5.11	45.8	123	78.8	93	244	67
3121	Aberdeen,ID	Merem	2	41.5	96.5	48	81.0	2.4	1	11.6	5.06	44.7	132	64.8	59	229	66
3122	Aberdeen,ID	2Ab04-X01084-27	2	42.2	96.1	29	80.4	2.2	1	11.8	4.72	42.3	130	72.6	34	240	67
3123	Aberdeen,ID	2Ab08-X05M010-82	2	39.3	96.7	32	80.8	2.2	1	11.3	4.91	45.5	131	81.3	23	251	64
3124	Aberdeen,ID	2Ab08-X05M011-73	2	39.1	94.6	40	80.3	2.3	1	12.9	5.43	43.6	181	80.6	20	282	64
3125	Aberdeen,ID	2Ab08-X05M046-47	2	39.8	95.3	40	80.4	2.1	1	12.2	5.25	43.5	137	88.0	23	262	64
3126	Aberdeen,ID	2Ab10-X08M238-9	2	40.3	98.4	38	81.0	2.1	1	11.8	4.89	42.6	115	88.3	59	243	66
3127	Aberdeen,ID	2Ab11-X08M235-7	2	42.6	97.3	40	80.6	2.7	1	13.4	5.77	44.9	121	64.0	31	292	58
3128	Aberdeen,ID	2Ab11-X08M263-3	2	40.0	98.2	51	80.9	2.0	1	11.6	4.71	43.7	146	73.5	25	228	64
3129	Aberdeen,ID	2Ab11-X08MTC14-88	2	42.1	97.8	40	80.5	2.3	1	12.3	5.15	44.4	158	55.5	23	252	67
3130	Aberdeen,ID	2Ab11-X08MTC16-91	2	41.4	97.7	34	81.3	3.8	2	11.2	4.85	44.1	119	50.0	24	249	65
3131	Aberdeen,ID	2Ab07-X04M219-46	2	36.8	94.5	43	80.9	1.8	1	11.7	4.72	42.6	156	75.7	27	241	62
3132	Aberdeen,ID	2Ab07-X04M281-32	2	39.2	94.9	38	82.5	2.1	1	10.9	5.16	50.2	131	101.2	22	246	57
3133	Aberdeen,ID	2Ab08-X05M010-10	2	37.6	95.6	34	80.2	1.9	1	11.4	4.66	42.3	152	86.6	25	220	62
3134	Aberdeen,ID	2Ab08-X05M010-62	2	41.2	97.4	28	80.9	1.9	1	11.3	4.58	43.3	144	75.7	26	221	66
3135	Aberdeen,ID	2Ab08-X05M010-65	2	41.0	97.6	31	81.7	2.1	1	10.3	4.73	49.5	114	77.3	29	240	56
3136	Aberdeen,ID	2Ab09-X05M050-14	2	38.7	94.3	41	80.6	2.2	1	11.5	4.70	43.3	122	69.7	23	229	64
3137	Aberdeen,ID	2Ab11-X08M235-47	2	43.8	98.77	40	81.6	2.0	1	11.4	5.04	46.0	119	76.4	26	266	67
3138	Aberdeen,ID	2Ab11-X08M237-33	2	41.0	98.4	43	81.3	1.9	1	10.7	4.55	46.3	96	90.5	37	207	57
3139	Aberdeen,ID	2Ab11-X08M228-20	2	42.3	97.9	37	80.1	1.8	1	12.0	4.84	41.8	131	79.5	22	223	67

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3140	Aberdeen, ID	2Ab11-X08M235-12	2	43.0	95.9	39	80.5	2.2	1	12.7	4.99	40.4	135	84.8	46	223	67
3141	Aberdeen, ID	2Ab09-X05M023-16	2	40.8	97.5	40	81.0	3.0	1	11.5	5.33	47.6	128	89.7	20	274	64
3142	Aberdeen, ID	2Ab11-X08M243-28	2	44.8	98.1	42	82.1	2.6	1	11.0	5.15	51.3	98	92.8	29	258	58
3143	Filer, ID	Harrington	2	37.3	81.8	75	77.0	1.9	1	14.4	5.30	38.4	166	91.8	475	249	28
3144	Filer, ID	ACMetcalfe	2	39.8	90.9	79	78.8	2.4	1	15.1	5.72	39.3	181	109.8	65	269	42
3145	Filer, ID	CDC Copeland	2	41.9	90.7	80	77.7	2.1	1	14.6	5.42	39.0	173	100.4	59	241	44
3146	Filer, ID	CDC Kindersley	2	38.0	85.2	72	77.6	2.4	1	15.0	5.32	36.2	177	97.6	142	249	34
3147	Filer, ID	Conrad	2	38.4	87.3	74	75.9	2.1	1	16.2	5.43	34.7	189	94.0	432	259	33
3148	Filer, ID	Merit57	2	39.0	91	81	78.7	2.3	1	14.9	5.37	37.3	173	116.7	265	225	39
3149	Filer, ID	Voyager	2	44.2	93.9	77	79.8	2.4	1	13.4	5.58	42.1	159	106.1	99	237	62
3150	Filer, ID	M69	2	37.1	79.9	75	76.6	2.4	1	15.3	5.01	34.7	127	86.1	99	245	35
3151		HARRINGTON MALT CHECK	2	40.8	96.7	74	82.6	2.5	1	11.5	4.78	42.3	103	89.2	80	235	66
3152	Filer, ID	Merem	2	38.6	80.4	79	77.0	2.6	1	15.6	5.62	38.0	166	87.1	320	233	26
3153	Filer, ID	2Ab04-X01084-27	2	38.0	81.8	74	75.7	2.5	1	16.2	5.19	33.9	161	96.4	333	218	28
3154	Filer, ID	2Ab08-X05M010-82	2	39.8	88.8	70	77.5	2.5	1	14.3	5.60	40.3	132	94.8	120	248	41
3155	Filer, ID	2Ab08-X05M011-73	2	38.5	80.5	74	76.9	2.5	1	16.4	5.71	36.2	234	100.0	142	235	29
3156	Filer, ID	2Ab08-X05M046-47	2	41.3	90.9	75	78.7	2.3	1	14.6	4.99	36.0	135	96.3	199	224	41
3157	Filer, ID	2Ab10-X08M238-9	2	37.6	90.3	80	78.5	2.3	1	14.5	4.89	34.9	131	100.1	474	227	37
3158	Filer, ID	2Ab11-X08M235-7	2	41.0	93.2	77	79.3	2.6	1	15.1	5.84	40.3	129	82.3	176	266	42
3159	Filer, ID	2Ab11-X08M263-3	2	41.6	94.3	81	78.8	2.1	1	14.8	5.06	36.6	181	104.6	90	223	48
3160	Filer, ID	2Ab11-X08MTC14-88	2	41.4	93.6	79	78.7	2.2	1	14.8	6.05	42.7	162	67.0	121	260	42
3161	Filer, ID	2Ab11-X08MTC16-91	2	41.1	92.9	77	79.4	2.2	1	13.6	5.35	39.5	128	68.4	112	248	47
3162	Filer, ID	2Ab07-X04M219-46	2	37.7	81	77	77.4	2.3	1	15.7	5.52	35.7	181	87.7	239	227	28
3163	Filer, ID	2Ab07-X04M281-32	2	38.7	82.6	72	78.4	2.5	1	15.0	5.47	36.8	148	106.5	212	238	34
3164	Filer, ID	2Ab08-X05M010-10	2	37.7	89	76	76.2	2.2	1	15.3	4.73	32.5	126	83.7	208	206	31
3165	Filer, ID	2Ab08-X05M010-62	2	40.3	93.2	72	78.3	2.0	1	14.1	4.69	35.6	136	87.0	289	194	41
3166	Filer, ID	2Ab08-X05M010-65	2	36.6	82.1	73	76.9	2.2	1	14.6	5.13	35.4	142	90.5	405	237	28
3167	Filer, ID	2Ab09-X05M050-14	2	38.3	86.8	80	77.0	2.0	1	15.1	5.12	34.7	171	81.2	277	205	33
3168	Filer, ID	2Ab11-X08M235-47	2	44.0	94.5	84	79.0	2.0	1	15.2	5.77	39.8	163	99.9	261	238	38
3169	Filer, ID	2Ab11-X08M237-33	2	41.6	92.5	79	78.2	2.1	1	14.3	5.18	37.3	152	89.9	251	206	41
3170	Filer, ID	2Ab11-X08M228-20	2	38.4	84.4	79	77.6	2.3	1	14.0	5.23	38.3	165	96.4	135	210	33
3171	Filer, ID	2Ab11-X08M235-12	2	41.8	88.7	78	77.5	1.9	1	14.6	4.95	34.3	160	79.2	224	190	33
3172	Filer, ID	2Ab09-X05M023-16	2	40.0	89.4	77	78.1	2.2	1	14.5	5.73	40.2	171	93.9	51	244	47
3173	Filer, ID	2Ab11-X08M243-28	2	41.0	89.6	75	77.4	2.1	1	16.1	5.46	35.9	165	102.5	202	242	35
3174	Minot, ND	ROBUST	6	35.4	97.1	29	78.2	2.2	1	13.9	5.26	38.1	166	59.1	490	229	50
3175	Minot, ND	LACEY	6	37.3	98.8	31	79.9	2.8	1	12.6	5.03	40.0	139	72.4	239	216	51
3176	Minot, ND	TRADITION	6	37.1	98.8	34	81.0	2.3	1	12.6	4.89	39.4	180	75.0	323	217	54
3177	Minot, ND	STELLAR-ND	6	36.4	98.7	32	80.5	3.6	1	14.2	5.81	43.6	171	81.8	240	253	49
3178	Minot, ND	QUEST	6	34.9	97.6	33	80.1	2.0	1	12.0	4.92	43.5	138	78.7	398	220	56
3179	Minot, ND	ND22421	6	37.6	99.1	31	79.5	3.4	1	13.2	5.62	43.2	139	86.4	178	263	60
3180	Minot, ND	ND32858	6	37.9	98	28	79.3	4.6	1	13.5	6.04	46.2	162	91.8	43	303	63
3181	Minot, ND	ND32889	6	36.5	98.6	31	80.3	3.7	1	12.1	5.48	45.9	125	87.1	75	257	67
3182		LACEY MALT CHECK	6	33.1	90.1	43	79.5	2.5	1	13.9	5.48	42.2	160	92.9	27	260	65

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3183	Minot, ND	ND32890	6	37.1	99	36	80.6	3.3	1	11.7	5.29	48.1	119	93.8	57	261	58
3184	Minot, ND	ND32898	6	37.2	99.1	37	80.3	4.2	1	12.2	5.64	48.2	164	81.9	73	265	65
3185	Minot, ND	ND32900	6	38.2	98.8	29	79.7	3.8	1	13.5	5.70	42.5	161	87.0	43	260	65
3186	Minot, ND	ND32902	6	36.9	98.9	35	79.3	3.9	1	13.4	6.00	46.5	168	82.2	101	272	66
3187	Minot, ND	ND32918	6	38.1	99.3	25	79.1	4.5	1	14.2	6.40	45.3	135	91.0	85	281	50
3188	Minot, ND	ND32920	6	37.7	99.5	31	80.1	3.4	1	12.7	5.36	43.7	134	82.2	127	241	63
3189	Minot, ND	ND32923	6	37.5	99.4	26	80.2	4.5	1	13.0	5.99	47.6	148	94.5	31	285	61
3190	Minot, ND	ND32935	6	36.7	98	27	79.8	4.3	1	14.6	6.47	45.9	175	89.0	50	286	53
3191	Minot, ND	ND32941	6	37.5	99.5	25	80.4	4.5	1	13.1	6.09	46.6	147	90.8	79	257	63
3192	Minot, ND	ND32942	6	37.9	99.3	26	80.4	3.8	1	13.8	6.09	47.0	153	76.6	88	271	58
3193	Minot, ND	ND32943	6	36.9	99.1	26	79.2	4.7	1	13.5	6.18	46.2	145	83.3	89	283	58
3194	Minot, ND	ND32944	6	39.0	99.8	26	79.3	6.6	1	14.6	6.85	47.6	147	74.9	64	317	48
3195	Minot, ND	ND32987	6	37.0	99	29	80.1	2.8	1	12.8	5.22	41.2	177	74.8	104	240	65
3196	Minot, ND	ND33141	6	37.9	99.5	34	78.9	4.4	1	13.4	6.15	46.4	149	82.3	86	299	60
3197	Minot, ND	ND33237	6	38.2	98.8	34	79.5	3.0	1	12.0	4.72	40.0	106	62.4	435	207	44
3198	Minot, ND	ND33238	6	40.2	99.6	34	79.8	2.8	1	12.0	4.85	42.0	102	64.1	255	208	52
3199	Minot, ND	ND33297	6	36.7	99.1	32	79.9	3.7	1	13.8	6.08	46.4	135	77.6	98	259	55
3200	Minot, ND	ND33325	6	37.1	99.2	21	79.6	5.1	1	12.5	6.47	55.5	103	66.4	121	282	47
3201	Minot, ND	ND33387	6	37.3	99.1	28	80.4	3.5	1	13.6	4.98	36.8	126	71.4	175	203	46
3202	Minot, ND	ND33389	6	35.8	98	27	79.0	2.8	1	13.5	5.22	39.1	135	64.6	311	226	50
3203	Minot, ND	ND33408	6	38.0	99.2	32	81.0	2.9	1	12.6	5.32	45.0	141	77.2	124	228	66
3204	Minot, ND	ND33413	6	35.2	97.2	27	80.3	2.5	1	12.8	4.73	39.8	127	73.0	250	196	46
3205	Minot, ND	ND33420	6	35.0	98.3	28	81.2	2.7	1	12.3	5.04	41.9	121	73.6	109	221	58
3206	Minot, ND	ND33440	6	35.7	98.5	25	80.3	2.6	1	13.6	5.31	40.7	155	73.7	146	246	56
3207	Minot, ND	ND33445	6	38.5	99.2	29	81.0	3.4	1	13.5	5.36	41.6	159	82.1	175	221	53
3208	Minot, ND	ND33497	6	38.2	99	28	79.8	3.4	1	13.0	5.51	44.5	153	69.3	189	243	63
3209	Minot, ND	ND33504	6	37.4	99.1	32	80.5	3.7	1	14.2	6.03	43.6	155	82.8	197	259	46
3210		LACEY MALT CHECK	6	32.9	90	42	79.8	2.6	2	13.4	5.54	43.1	163	89.8	34	255	69
3211	Osnabrock, ND	ROBUST	6	36.6	98.8	32	78.6	2.2	1	15.0	5.87	41.2	190	62.4	130	248	44
3212	Osnabrock, ND	LACEY	6	38.4	99	35	79.7	2.8	1	13.8	5.41	40.4	171	69.1	69	276	60
3213	Osnabrock, ND	TRADITION	6	36.4	99.1	33	79.2	2.2	1	14.5	5.27	37.9	209	71.8	97	273	55
3214	Osnabrock, ND	STELLAR-ND	6	37.1	99.1	39	80.1	4.5	1	13.4	5.96	44.7	189	77.2	59	290	66
3215	Osnabrock, ND	QUEST	6	34.4	97.4	32	79.6	2.0	1	14.4	5.52	39.5	203	79.7	287	293	48
3216	Osnabrock, ND	ND22421	6	38.5	99.3	38	80.1	3.8	1	12.4	5.50	45.7	149	81.2	61	300	70
3217	Osnabrock, ND	ND32858	6	37.5	99.1	39	80.0	4.1	1	12.6	5.55	46.3	146	79.7	59	327	70
3218	Osnabrock, ND	ND32889	6	37.4	99	42	80.3	3.1	1	12.6	5.27	44.8	151	74.3	52	255	70
3219	Osnabrock, ND	ND32890	6	37.8	99.4	41	80.4	3.4	1	12.4	5.47	46.6	152	76.4	52	312	70
3220	Osnabrock, ND	ND32898	6	38.6	99.1	37	80.6	3.3	1	13.4	5.68	45.2	213	74.2	57	296	70
3221	Osnabrock, ND	ND32900	6	37.0	99	37	79.4	4.2	1	14.6	6.24	44.6	191	79.1	44	373	53
3222	Osnabrock, ND	ND32902	6	36.3	98.7	37	79.9	3.8	1	13.1	5.43	41.7	178	73.2	56	306	65
3223	Osnabrock, ND	ND32918	6	37.0	99.5	41	79.7	4.2	1	13.0	5.62	43.5	144	76.4	54	316	70
3224	Osnabrock, ND	ND32920	6	36.8	99.2	40	80.5	3.1	1	12.4	5.33	45.6	152	75.8	79	280	70
3225	Osnabrock, ND	ND32923	6	36.3	99.2	36	80.7	3.2	1	12.3	5.41	44.7	155	81.7	51	323	70

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3226	Osnabrock, ND	ND32935	6	35.7	98.2	35	79.9	3.0	1	14.4	5.54	40.7	203	85.1	55	287	55
3227	Osnabrock, ND	ND32941	6	37.3	98.9	40	81.3	3.2	1	12.2	5.26	46.2	152	83.6	58	285	70
3228	Osnabrock, ND	ND32942	6	37.3	98.8	32	81.2	2.8	1	13.4	5.63	42.0	185	73.7	80	288	70
3229	Osnabrock, ND	ND32943	6	36.8	99.3	32	79.5	3.7	1	14.1	6.35	45.9	184	79.0	59	367	53
3230	Osnabrock, ND	ND32944	6	37.7	98.8	32	79.5	4.4	1	15.0	6.89	46.3	201	75.1	69	329	53
3231	Osnabrock, ND	ND32987	6	35.5	98.5	35	79.6	2.4	1	14.2	5.10	37.6	192	81.5	119	272	51
3232	Osnabrock, ND	ND33141	6	36.9	98.2	38	79.1	3.2	1	13.6	6.28	46.6	195	91.1	75	334	58
3233	Osnabrock, ND	ND33237	6	36.6	99.1	40	80.7	2.6	1	12.1	4.94	42.0	136	72.8	248	240	51
3234	Osnabrock, ND	ND33238	6	38.8	99.5	35	80.2	3.5	1	13.9	5.45	40.5	132	72.8	252	234	50
3235	Osnabrock, ND	ND33297	6	36.5	98.9	28	79.4	3.0	1	15.0	5.82	40.0	182	79.7	71	222	51
3236	Osnabrock, ND	ND33325	6	35.6	99	29	80.6	2.9	1	12.3	5.05	42.3	141	74.2	91	181	61
3237	Osnabrock, ND	ND33387	6	36.3	98.4	33	79.7	3.5	1	13.9	6.33	47.1	162	69.5	93	256	53
3238	Osnabrock, ND	ND33389	6	35.8	99	35	80.3	2.9	1	13.2	5.62	44.0	150	73.3	142	254	66
3239	Osnabrock, ND	ND33408	6	37.4	99.3	40	81.0	2.8	1	12.6	5.49	46.8	167	76.1	54	211	70
3240		LACEY MALT CHECK	6	33.0	91.5	43	80.2	2.7	1	13.7	5.80	45.6	168	83.7	39	268	61
3241	Osnabrock, ND	ND33413	6	36.3	98.5	34	80.3	2.4	1	13.3	5.51	41.9	148	77.1	196	212	58
3242	Osnabrock, ND	ND33420	6	34.0	98.9	36	81.1	2.7	1	12.8	5.42	43.7	134	73.9	35	210	67
3243	Osnabrock, ND	ND33440	6	34.3	98.4	36	79.9	2.4	1	12.7	5.06	42.6	148	73.3	105	208	66
3244	Osnabrock, ND	ND33445	6	36.7	99.1	36	80.6	2.7	1	13.6	5.77	45.2	186	86.7	81	257	61
3245	Osnabrock, ND	ND33497	6	37.1	99.4	33	79.6	2.8	1	13.6	6.04	45.2	175	70.4	145	251	54
3246	Osnabrock, ND	ND33504	6	37.3	99.3	33	80.1	3.1	1	14.6	6.23	44.3	195	82.5	93	274	53
3247	Grangeville, ID	Harrington	2	40.2	98.4	77	81.9	2.1	1	10.8	4.68	47.2	90	86.6	76	219	52
3248	Grangeville, ID	ACMetcalfe	2	38.7	97.2	82	81.4	2.4	1	11.2	4.76	44.4	103	91.2	42	190	64
3249	Grangeville, ID	CDC Copeland	2	39.3	97.8	82	80.5	2.3	1	10.9	4.94	46.2	122	94.8	19	186	57
3250	Grangeville, ID	CDC Kindersley	2	37.0	93.5	81	81.6	2.4	1	11.2	5.01	47.6	124	95.8	14	224	60
3251	Grangeville, ID	Conrad	2	39.4	98	79	81.7	1.7	1	11.5	4.58	43.2	147	95.6	72	224	67
3252	Grangeville, ID	Voyager	2	41.3	98.7	76	81.3	2.6	1	11.3	5.45	50.1	147	105.2	16	260	64
3253	Grangeville, ID	M69	2	39.1	97.3	78	81.0	2.3	1	10.6	4.52	44.5	114	87.3	10	193	56
3254	Grangeville, ID	2Ab04-X01084-27	2	39.3	96.2	78	81.7	2.2	1	10.5	4.28	43.2	115	89.3	60	165	50
3255	Grangeville, ID	2Ab07-X031098-31	2	37.5	93.5	83	82.8	2.2	1	11.5	5.12	48.0	150	98.9	10	243	60
3256	Grangeville, ID	2Ab07-X04M219-46	2	34.0	93.2	93	82.2	1.9	1	10.3	4.29	43.3	125	85.2	31	166	51
3257	Grangeville, ID	2Ab08-X04M278-35	2	40.6	97.3	91	83.3	2.5	1	10.5	4.84	51.0	112	94.3	7	197	56
3258	Grangeville, ID	2Ab08-X04M282-48	2	35.6	81.1	81	81.1	2.4	1	10.3	4.59	47.1	103	103.8	63	195	47
3259	Grangeville, ID	2Ab08-X05M010-65	2	37.0	93.6	81	81.4	2.2	1	10.5	4.36	44.6	109	90.0	133	179	44
3260	Grangeville, ID	2Ab08-X05M010-82	2	37.6	95.8	77	82.0	2.0	1	9.7	4.48	50.3	98	93.7	40	179	43
3261	Grangeville, ID	2Ab09-X05M023-16	2	37.0	91	84	82.6	1.9	1	10.3	4.76	50.4	95	83.1	44	184	46
3262	Grangeville, ID	2Ab09-X05M049-2	2	40.4	98.2	87	81.5	2.0	1	10.5	4.98	49.9	111	97.3	46	255	56
3263	Grangeville, ID	08ARS068-5	2	36.6	95.2	91	81.0	1.6	1	10.5	4.33	45.5	112	86.8	64	228	53
3264	Grangeville, ID	08ARS031-16	2	41.3	97	80	82.0	2.0	1	10.5	5.21	50.6	122	98.2	58	231	59
3265	Grangeville, ID	08ARS043-28	2	39.5	97.6	82	82.2	1.9	1	10.5	4.90	50.8	88	100.6	88	200	50
3266	Grangeville, ID	08ARS112-75	2	40.6	95.3	73	82.4	1.9	1	9.7	4.48	50.1	99	103.6	133	174	43
3267	Grangeville, ID	08ARS116-91	2	40.0	98.6	77	82.7	2.0	1	10.6	4.83	50.0	114	73.3	40	223	56
3268	Ray, ND	CONLON	2	46.5	98.9	29	81.3	1.9	1	12.6	5.32	42.8	174	87.5	262	230	63

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3269	Ray, ND	PINNACLE	2	41.6	95.2	33	81.8	2.0	1	11.4	4.69	42.6	135	68.8	202	201	62
3270	Ray, ND	2ND25276	2	40.7	96.4	38	82.6	2.5	1	11.1	5.08	49.0	135	97.0	60	236	64
3271		HARRINGTON MALT CHECK	2	40.5	95.7	72	82.2	2.4	1	11.7	4.84	45.0	108	88.1	129	231	62
3272	Ray, ND	LACEY	6	37.7	96.9	41	80.1	2.4	1	13.6	5.59	43.4	222	76.4	89	260	65
3273	Ray, ND	STELLAR-ND	6	37.7	97.7	46	80.8	2.3	1	12.7	5.41	45.1	227	79.2	77	237	70
3274	Ray, ND	2ND31815	2	45.0	98.6	28	80.9	2.6	1	12.8	5.56	45.2	164	82.2	22	192	67
3275	Ray, ND	2ND31879	2	43.9	97.4	38	84.5	2.7	1	12.5	5.92	51.3	173	104.4	46	253	61
3276	Ray, ND	2ND31885	2	45.1	98.9	33	82.4	2.1	1	12.5	5.34	43.0	196	79.8	97	237	70
3277	Ray, ND	2ND31893	2	43.1	94.7	32	83.5	2.3	1	10.7	5.00	49.8	149	88.4	205	175	48
3278	Ray, ND	2ND31899	2	41.8	95.2	38	83.2	2.4	1	11.6	5.05	46.5	157	78.9	90	229	69
3279	Ray, ND	2ND31914	2	42.8	97.7	34	82.4	2.3	1	12.0	5.09	45.7	197	88.6	92	238	70
3280	Ray, ND	2ND32184	2	41.3	95.6	36	82.5	2.5	1	12.4	5.13	42.0	139	94.1	18	244	69
3281	Minot, ND	CONLON	2	41.2	96.4	32	82.0	2.2	1	13.3	5.17	41.9	147	82.6	438	223	57
3282	Minot, ND	PINNACLE	2	41.7	95.7	28	81.4	2.2	1	11.7	4.45	41.2	111	66.7	339	194	59
3283	Minot, ND	2ND25276	2	41.8	97.4	32	83.1	5.2	1	11.6	6.40	57.3	105	91.5	199	282	47
3284	Minot, ND	LACEY	6	35.0	97.8	33	80.1	2.7	1	13.2	5.48	44.0	172	70.2	212	243	63
3285	Minot, ND	STELLAR-ND	6	36.2	98.5	38	80.6	4.5	1	13.0	6.63	52.8	190	81.9	81	296	58
3286	Minot, ND	2ND31815	2	40.4	95.5	27	81.5	3.0	1	12.9	5.84	48.8	133	77.1	39	250	60
3287	Minot, ND	2ND31879	2	43.3	97.6	32	83.4	4.0	1	12.5	7.02	57.6	144	92.9	75	313	58
3288	Minot, ND	2ND31885	2	44.4	98.4	31	83.5	2.5	1	12.1	5.54	46.9	170	81.1	208	245	63
3289	Minot, ND	2ND31893	2	44.6	96.3	31	84.6	2.5	1	11.5	5.35	49.3	145	87.6	235	228	58
3290	Minot, ND	2ND31899	2	42.9	95.3	33	82.8	2.0	1	11.3	4.61	41.2	161	79.4	176	189	61
3291	Minot, ND	2ND31914	2	43.0	96.4	29	81.8	3.4	1	12.5	5.78	47.8	179	88.7	120	222	57
3292	Minot, ND	2ND32184	2	42.3	95.7	29	83.2	3.1	1	11.5	5.52	48.8	124	101.1	19	222	65
3293	Corvallis, OR	Charles	2	28.9	77.4	38	78.9	3.0	1	13.9	5.62	42.7	180	102.8	299	264	33
3294	Corvallis, OR	AC 07/041/33	2	42.9	93.4	32	80.5	2.6	1	10.5	3.86	39.7	124	49.0	48	156	42
3295	Corvallis, OR	MH05IH31 (Hickory)		41.7	93.3	44	81.5	2.0	1	11.7	4.26	39.5	150	56.6	108	178	53
3296	Corvallis, OR	Etincel	6	36.1	88.6	41	78.5	2.1	1	11.9	3.93	35.8	157	51.8	426	174	43
3297	Corvallis, OR	Violetta	2	41.0	93.8	40	80.7	2.2	1	12.9	5.00	40.9	248	60.8	203	224	59
3298	Corvallis, OR	Nectaria	2	45.5	96.2	40	82.4	2.3	1	11.6	4.48	41.4	168	71.4	174	206	63
3299	Corvallis, OR	SC11213	2	40.9	91.9	33	80.7	2.1	1	11.9	4.00	34.0	146	54.0	345	155	45
3300	Corvallis, OR	06OR-9 (TCFW6-194)	6	35.0	89.1	55	79.7	2.2	1	10.7	3.84	37.5	126	63.8	306	175	38
3301	St. Paul, MN	MW12_4054-008	6	29.7	53.1	86	79.2	2.7	1	10.9	5.00	47.4	128	87.1	54	237	45
3302		LACEY MALT CHECK	6	33.3	88.5	42	79.4	2.8	1	13.6	5.53	43.0	179	91.1	17	251	65
3303	St. Paul, MN	MW11S3030-015	6	32.7	83.2	77	79.7	2.1	1	12.1	4.52	38.9	154	65.1	385	226	51
3304	St. Paul, MN	MW12_4014-002	6	30.2	76.9	78	78.7	2.3	1	11.7	4.28	38.0	168	60.3	305	183	40
3305	St. Paul, MN	MW12_4089-006	6	30.1	73.3	67	77.7	2.6	1	12.8	4.78	38.4	145	87.0	304	225	38
3306	St. Paul, MN	MW11S3024-004	6	34.4	88.6	77	80.3	2.6	2	12.6	4.51	38.7	133	63.6	307	189	42
3307	St. Paul, MN	Tradition	6	32.6	89.2	74	81.7	2.2	1	11.6	4.78	42.1	192	80.8	155	224	59
3308	St. Paul, MN	MW11S4056-016	6	28.4	57.4	48	79.2	3.2	2	12.1	4.64	40.2	94	72.2	334	192	33
3309	St. Paul, MN	Quest	6	32.3	81.7	71	81.6	2.1	1	11.8	4.76	42.6	154	77.6	307	242	56
3310	St. Paul, MN	MW11S4019-007	6	34.2	82.9	66	81.1	2.3	1	12.5	4.95	42.0	149	76.9	383	228	59
3311	St. Paul, MN	MW11S4010-009	6	30.1	74.2	74	79.9	2.4	2	11.2	4.67	43.2	161	78.9	185	205	47

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3312	St. Paul, MN	MW11S3034-006	6	32.1	70.4	78	79.9	2.1	1	12.2	4.84	40.0	175	60.2	220	218	49
3313	St. Paul, MN	MW11S4061-009	6	33.3	76.8	76	80.1	2.1	1	12.3	4.33	36.9	120	68.6	192	221	42
3314	St. Paul, MN	MW11S4009-016	6	31.8	73.4	78	80.4	3.1	1	10.6	4.54	44.0	112	75.3	130	229	44
3315	St. Paul, MN	MW11S4006-014	6	33.2	72	59	78.3	2.0	1	11.3	4.24	38.3	125	75.1	274	208	35
3316	St. Paul, MN	Lacey	6	33.8	88.2	75	81.0	2.4	1	11.4	4.72	42.4	139	76.1	162	251	51
3317	St. Paul, MN	MW11S4031-002	6	35.3	84.8	72	79.4	3.6	2	12.5	4.56	39.1	172	56.6	289	210	50
3318	St. Paul, MN	MW12_4046-011	6	29.2	65.3	70	79.2	2.1	1	11.6	4.74	41.3	140	71.8	239	241	43
3319	St. Paul, MN	MW11S4025-001	6	33.5	87.3	74	79.9	1.9	1	10.5	3.83	36.7	100	61.0	385	183	34
3320	St. Paul, MN	MW12_4070-009	6	35.0	84.8	70	77.8	2.4	1	11.6	4.51	41.5	133	71.6	170	244	45
3321	St. Paul, MN	MW11S4042-006	6	34.4	93.2	69	79.3	2.1	1	9.7	4.02	42.1	81	69.5	206	214	44
3322	St. Paul, MN	MW11S4029-016	6	32.2	80.1	79	79.5	3.6	2	10.6	4.14	42.3	96	62.7	236	206	43
3323	St. Paul, MN	MW11S4035-015	6	33.0	78	67	81.2	2.3	1	10.4	4.72	47.8	105	86.8	239	236	37
3324	St. Paul, MN	MW11S4053-010	6	29.4	69.1	72	81.8	2.7	1	11.7	4.74	43.6	97	83.4	110	253	48
3325	St. Paul, MN	MW12_4007-008	6	32.3	87.7	74	80.1	2.9	1	12.5	5.28	44.3	104	93.2	197	283	56
3326	St. Paul, MN	Maja	6	32.2	81.7	62	80.7	2.4	1	11.5	4.15	37.1	135	75.8	230	213	43
3327	St. Paul, MN	MW11S4039-002	6	32.3	77.2	72	78.7	2.2	1	12.0	4.40	38.9	133	80.2	256	232	43
3328	St. Paul, MN	MW11S4026-016	6	33.4	73.6	62	77.6	2.5	1	13.5	4.64	36.3	184	77.8	274	218	34
3329	St. Paul, MN	MW12_4095-008	6	35.4	84.5	66	78.2	2.2	1	11.6	4.70	43.2	173	77.3	218	230	53
3330	St. Paul, MN	MW11S4050-015	6	40.3	91.7	68	80.7	2.8	1	11.2	4.39	41.6	117	70.1	174	220	39
3331	St. Paul, MN	MW11S3030-014	6	35.3	92.4	74	81.3	1.9	1	11.2	4.24	39.6	134	66.5	222	204	43
3332	St. Paul, MN	MW11S4057-012	6	31.0	89.7	59	77.2	2.1	1	11.6	4.21	36.8	116	57.5	387	183	28
3333		LACEY MALT CHECK	6	33.0	88	43	79.3	2.5	1	13.8	5.13	39.2	179	92.3	21	269	56
3334	St. Paul, MN	MW12_4070-008	6	34.2	90.7	68	77.7	1.9	1	12.0	4.58	40.1	143	66.8	127	226	48
3335	St. Paul, MN	MW12_4045-009	6	35.5	94.2	59	79.0	1.7	1	13.1	4.80	37.9	168	80.0	158	252	54
3336	St. Paul, MN	MW12_4046-003	6	34.6	86.5	67	79.2	2.0	1	11.6	4.74	43.1	122	75.7	252	255	53
3337	St. Paul, MN	MW11S4062-009	6	33.3	86.2	67	76.6	1.9	1	12.3	3.94	32.4	193	77.2	340	170	36
3338	St. Paul, MN	MW11S4036-013	6	31.9	80.5	79	79.1	2.0	1	11.6	4.42	39.6	111	73.3	244	191	41
3339	St. Paul, MN	MW12_4055-001	6	32.7	84.1	69	79.5	2.4	2	11.9	4.14	36.1	148	59.7	288	190	45
3340	St. Paul, MN	MW11S4016-011	6	32.2	79.5	75	80.5	2.5	1	11.3	4.29	40.7	140	66.4	199	227	41
3341	St. Paul, MN	MW12_4011-012	6	29.4	68.5	83	80.6	3.0	1	10.9	4.74	45.0	108	85.4	96	266	43
3342	St. Paul, MN	MW11S4035-008	6	32.5	71.7	84	79.3	2.7	1	11.4	4.59	40.4	131	69.3	346	246	38
3343	St. Paul, MN	MW11S3009-009	6	30.3	58.4	63	77.9	2.9	1	11.2	4.40	41.4	110	69.9	204	215	27
3344	St. Paul, MN	MW12_4011-006	6	30.9	64.3	88	79.2	2.9	1	11.7	4.53	41.4	141	72.8	163	250	48
3345	St. Paul, MN	MW11S4009-008	6	34.9	83	70	78.7	3.4	1	10.7	4.55	44.7	115	69.5	344	222	41
3346	St. Paul, MN	MW11S4056-005	6	30.2	90.3	45	75.6	2.4	1	13.0	4.20	32.9	134	50.4	397	177	32
3347	St. Paul, MN	MW11S4038-009	6	32.5	88.6	82	78.1	2.8	1	11.1	4.10	38.6	114	76.2	179	217	33
3348	St. Paul, MN	MW12_4064-005	6	31.5	79.3	51	78.9	3.9	1	9.8	4.51	46.3	68	71.5	201	236	38
3349	St. Paul, MN	MW12_4059-007	6	31.7	82.6	73	81.8	2.9	1	9.9	4.46	45.8	116	76.8	308	242	43
3350	St. Paul, MN	MW12_4065-009	6	28.6	72.6	60	78.6	3.3	1	10.9	4.38	41.3	114	66.6	109	223	35
3351	St. Paul, MN	MW12_4086-008	6	31.4	72	74	78.5	2.5	1	10.6	4.05	38.5	97	58.1	213	201	30
3352	St. Paul, MN	MW12_4014-011	6	30.6	74.4	68	81.9	2.3	1	10.3	4.29	41.6	137	65.2	261	203	40
3353	St. Paul, MN	MW11S4010-014	6	32.9	93.6	58	80.9	3.5	1	11.0	4.82	44.3	122	86.6	369	241	51
3354	St. Paul, MN	MW11S3037-007	6	34.3	90.4	73	78.1	2.3	1	11.6	4.10	36.2	121	61.6	750	182	37

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3355	St. Paul, MN	MW12_4071-007	6	33.5	92.7	76	80.3	3.4	1	11.4	4.66	42.9	108	69.5	97	235	51
3356	St. Paul, MN	MW12_4049-002	6	28.7	76.1	62	76.0	3.0	1	13.4	4.95	37.8	150	63.7	207	233	39
3357	St. Paul, MN	MW12_4011-004	6	32.6	80.5	75	81.8	2.8	1	11.0	4.67	43.3	134	70.7	48	240	55
3358	St. Paul, MN	MW11S4039-015	6	32.6	75.5	83	78.4	2.4	1	11.8	4.54	39.7	118	63.7	364	239	39
3359	St. Paul, MN	MW11S3029-011	6	33.1	80.9	82	81.1	2.9	1	10.6	4.43	44.4	102	65.0	282	230	44
3360	St. Paul, MN	MW12_4075-006	6	33.9	86.8	72	80.2	2.5	1	11.6	4.48	40.6	154	66.5	293	226	51
3361	St. Paul, MN	MW11S4010-005	6	30.0	84.5	69	78.9	2.9	1	11.3	4.59	42.0	127	64.4	320	212	37
3362	St. Paul, MN	Quest	6	33.4	89.3	68	82.0	2.7	1	10.2	4.69	47.0	122	75.8	341	228	48
3363	St. Paul, MN	MW12_4091-012	6	31.2	77.9	66	79.3	3.3	1	11.4	5.03	46.1	102	72.1	191	255	44
3364		LACEY MALT CHECK	6	33.5	88.6	42	79.9	3.6	1	13.5	5.67	43.5	150	85.2	29	274	70
3365	St. Paul, MN	MW12_4072-012	6	32.4	80.8	77	78.8	2.6	1	10.6	4.19	42.1	107	59.2	179	221	41
3366	St. Paul, MN	MW11S4019-004	6	32.3	80.1	86	81.8	2.7	1	9.9	4.36	45.5	97	64.5	321	218	44
3367	St. Paul, MN	MW11S4060-010	6	29.4	71.8	74	76.3	2.8	1	12.1	3.82	33.6	89	45.9	406	156	18
3368	St. Paul, MN	MW11S3037-010	6	30.9	63.6	67	76.8	3.0	1	12.3	4.52	37.2	95	52.0	588	199	26
3369	St. Paul, MN	MW11S4062-008	6	28.9	72.6	69	78.6	4.6	2	11.0	4.45	40.7	143	59.3	308	179	29
3370	St. Paul, MN	Lacey	6	35.4	92.3	67	81.3	2.8	1	11.6	4.91	44.4	141	67.5	159	229	62
3371	St. Paul, MN	Maja	6	32.1	84.7	63	81.1	3.8	1	12.4	4.79	40.5	137	64.5	215	240	48
3372	St. Paul, MN	MW11S4019-011	6	35.1	86.1	67	79.6	2.5	1	12.0	4.68	40.3	110	58.7	316	223	44
3373	St. Paul, MN	Tradition	6	32.7	92	75	81.5	3.1	1	11.5	4.82	43.5	172	71.1	279	222	54
3374	St. Paul, MN	MW12_4033-005	6	32.8	78.4	77	80.7	3.3	2	10.6	4.12	41.8	81	57.2	461	203	36
3375	St. Paul, MN	MW11S3037-014	6	33.6	76.8	70	78.4	2.1	1	11.2	4.03	37.4	86	49.0	710	180	26
3376	St. Paul, MN	MW12_4028-009	6	36.1	87.5	62	79.0	2.5	1	12.1	5.09	42.6	140	63.0	535	253	56
3377	St. Paul, MN	MW11S3019-011	6	34.5	83.1	79	79.8	2.4	1	10.9	4.50	42.7	89	61.9	279	231	44
3378	St. Paul, MN	MW11S4037-002	6	33.1	92.9	63	79.7	2.3	1	12.0	4.60	41.1	84	54.8	678	218	44
3379	St. Paul, MN	MW11S4009-011	6	34.5	75	48	79.6	2.3	1	9.1	3.48	40.4	54	46.4	687	155	29
3380	St. Paul, MN	MW12_4016-006	6	38.7	88.3	67	79.8	2.3	1	11.1	4.56	42.6	93	57.7	177	227	44
3381	St. Paul, MN	MW12_4072-003	6	32.7	87.8	76	79.2	2.4	1	10.3	4.14	43.1	116	64.6	154	221	47
3382	St. Paul, MN	MW11S4033-005	6	31.2	63.4	78	80.1	2.2	1	10.1	4.25	44.5	111	62.7	214	206	38
3383	St. Paul, MN	MW11S4026-012	6	32.3	82.4	80	78.8	2.1	1	11.2	4.10	37.3	114	67.3	382	190	31
3384	St. Paul, MN	MW12_4016-004	6	36.4	92.5	62	80.3	2.0	1	12.3	4.59	38.5	122	60.5	341	227	48
3385	St. Paul, MN	MW12_4049-008	6	34.3	83.9	77	79.6	2.1	1	10.9	4.58	42.8	121	70.2	353	215	48
3386	St. Paul, MN	MW11S3026-013	6	35.5	89.9	73	81.5	2.3	1	11.9	4.58	40.4	156	68.8	295	210	51
3387	St. Paul, MN	MW11S4030-012	6	35.0	92.2	77	80.4	2.9	2	11.8	4.25	38.1	129	57.5	727	213	47
3388	St. Paul, MN	MW11S3034-011	6	33.8	77.5	72	80.9	2.4	1	10.8	4.42	41.2	133	56.5	332	231	41
3389	St. Paul, MN	MW12_4067-001	6	32.7	70.3	86	80.5	3.1	1	10.1	4.73	50.3	77	74.2	336	253	34
3390	St. Paul, MN	MW11S3035-016	6	36.9	93.8	74	82.6	2.2	1	10.9	4.47	42.6	93	63.8	646	220	44
3391	St. Paul, MN	MW11S4020-002	6	33.0	86.2	76	81.9	4.4	2	11.6	4.59	40.8	121	59.8	584	217	47
3392	St. Paul, MN	MW11S4049-014	6	35.8	91.4	58	81.0	n.d.	3	11.4	4.35	38.6	103	62.7	349	229	37
3393	St. Paul, MN	MW12_4057-010	6	33.2	80.22	67	80.9	1.9	1	11.3	4.44	40.7	98	67.9	734	219	39
3394	St. Paul, MN	MW11S4036-007	6	29.1	83.8	75	78.7	2.2	2	11.1	4.33	41.4	129	61.1	425	203	36
3395		LACEY MALT CHECK	6	33.2	89	44	80.5	2.7	1	13.4	5.83	46.7	180	84.5	54	305	66
3396	St. Paul, MN	MW11S4062-016	6	32.0	87	62	79.6	n.d.	3	11.7	4.95	45.4	132	69.8	577	256	53
3397	St. Paul, MN	MW12_4030-004	6	34.8	78.7	72	78.5	2.3	1	12.5	4.72	40.5	103	61.9	699	237	39

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3398	St. Paul, MN	MW11S4049-010	6	32.2	76.5	62	80.8	2.4	1	10.7	4.77	45.5	131	79.3	288	247	46
3399	St. Paul, MN	MW11S3033-011	6	33.5	78.1	70	80.3	1.9	1	11.4	4.76	42.9	117	60.6	380	247	42
3400	St. Paul, MN	MW11S4009-013	6	32.2	62.2	76	79.9	2.1	1	10.6	4.35	42.1	102	60.1	242	191	37
3401	St. Paul, MN	MW12_4042-010	6	33.4	85	74	80.6	2.4	1	10.7	4.75	47.8	115	60.6	561	252	39
3402	St. Paul, MN	MW11S4060-015	6	33.1	83.5	74	76.5	2.0	1	13.3	4.22	32.3	105	53.2	632	188	29
3403	St. Paul, MN	MW11S4029-003	6	34.2	82.2	70	80.5	2.0	1	11.2	4.57	44.4	116	54.7	354	221	44
3404	St. Paul, MN	MW11S4019-008	6	34.8	89.7	69	81.9	1.9	1	10.4	4.34	44.9	104	52.7	567	211	44
3405	St. Paul, MN	MW11S4038-011	6	33.7	89.4	82	80.3	1.9	1	10.4	4.25	43.7	111	57.3	208	231	44
3406	St. Paul, MN	MW12_4014-003	6	33.6	81.5	72	80.1	2.2	1	10.6	4.22	42.4	140	59.5	540	210	48
3407	St. Paul, MN	MW11S4025-009	6	36.7	93	68	79.3	n.d.	3	10.8	3.99	40.3	117	52.3	544	186	32
3408	St. Paul, MN	MW11S4016-014	6	31.4	72.2	86	80.9	2.3	1	10.3	4.70	48.9	115	71.1	338	272	33
3409	St. Paul, MN	MW12_4024-005	6	33.0	82.7	79	79.4	2.2	2	9.9	4.19	43.7	122	61.3	177	217	47
3410	St. Paul, MN	MW12_4095-010	6	30.3	67.1	80	80.3	2.7	1	10.5	4.52	44.9	125	63.1	488	220	42
3411	St. Paul, MN	MW12_4059-001	6	30.5	79.6	74	81.4	2.1	1	11.0	4.92	46.8	123	58.8	395	279	48
3412	St. Paul, MN	Maja	6	33.8	90.9	67	81.0	3.1	2	12.1	4.84	43.4	141	65.6	330	284	58
3413	St. Paul, MN	MW11S3016-015	6	31.0	75.8	76	81.3	2.2	1	11.1	5.06	49.3	158	66.3	612	253	46
3414	St. Paul, MN	MW11S4025-015	6	33.6	90.7	68	80.1	3.3	2	12.0	4.63	38.7	128	62.3	301	195	45
3415	St. Paul, MN	MW12_4055-011	6	31.8	77	84	79.7	1.9	1	10.6	4.03	38.8	111	58.8	351	209	36
3416	St. Paul, MN	Tradition	6	33.3	90.9	84	80.9	2.5	1	11.4	4.49	41.2	174	72.0	434	207	46
3417	St. Paul, MN	MW12_4007-002	6	31.0	88.2	74	80.6	3.5	2	11.9	4.39	39.3	138	64.3	440	191	44
3418	St. Paul, MN	Quest	6	34.5	92.6	68	82.7	1.9	1	10.7	4.95	50.5	152	72.1	359	221	49
3419	St. Paul, MN	MW12_4087-003	6	33.5	74.1	77	78.6	2.2	1	11.0	4.27	42.2	134	58.1	196	201	43
3420	St. Paul, MN	MW11S4033-002	6	33.9	80.7	58	79.4	2.0	1	11.4	4.72	43.2	157	67.9	105	225	58
3421	St. Paul, MN	MW11S4019-014	6	35.0	89.1	74	79.4	2.2	1	11.0	4.13	38.7	126	54.4	525	182	38
3422	St. Paul, MN	MW12_4053-007	6	37.0	86.6	74	78.4	2.3	1	11.8	4.41	39.2	89	48.3	263	222	38
3423	St. Paul, MN	MW12_4022-007	6	34.7	87.9	63	80.0	2.1	1	11.7	4.43	40.0	141	62.1	157	190	52
3424	St. Paul, MN	MW11S4036-006	6	34.6	80.7	79	77.9	2.3	1	11.7	3.84	33.9	91	53.4	657	148	33
3425	St. Paul, MN	MW11S4033-010	6	34.9	78.8	62	80.6	2.1	1	10.7	4.32	40.7	121	52.0	257	211	41
3426		LACEY MALT CHECK	6	33.0	89.4	43	79.8	2.6	1	13.3	5.66	44.6	195	94.7	19	281	70
3427	St. Paul, MN	MW12_4006-007	6	32.1	58.5	64	80.1	2.7	1	10.6	4.75	47.9	133	79.3	242	235	38
3428	St. Paul, MN	MW12_4042-009	6	31.1	72.7	60	82.3	2.4	1	10.0	4.62	49.1	100	67.3	425	234	33
3429	St. Paul, MN	MW12_4022-005	6	35.3	89.7	72	82.6	2.1	1	11.1	4.50	42.5	113	63.0	428	222	44
3430	St. Paul, MN	MW12_4042-007	6	33.1	88.1	77	81.8	2.1	1	10.4	4.46	45.7	84	66.2	437	230	44
3431	St. Paul, MN	MW11S4039-011	6	31.9	82	74	78.2	2.1	1	12.2	4.80	42.2	137	74.5	269	250	46
3432	St. Paul, MN	MW12_4042-012	6	36.1	87.2	66	81.0	3.3	2	11.0	4.34	40.4	84	53.0	521	210	38
3433	St. Paul, MN	Lacey	6	35.3	91.7	78	80.7	2.3	1	10.7	4.59	43.1	140	68.5	107	210	58
3434	St. Paul, MN	MW12_4088-003	6	33.7	77.8	72	79.2	2.6	1	10.0	4.38	48.2	125	78.7	166	222	44
3435	St. Paul, MN	MW11S3037-003	6	34.7	78.9	69	77.4	2.1	1	10.9	3.72	36.8	94	47.9	415	158	19
3436	St. Paul, MN	MW11S4038-013	6	32.8	91.9	80	79.0	3.4	2	10.7	4.17	39.3	89	59.6	418	218	38
3437	Corvallis, OR	MW11S4026-012	6	31.4	83.9	50	76.9	2.7	1	10.2	4.21	43.1	128	69.8	135	197	38
3438	Corvallis, OR	MW11S4016-011	6	31.5	80.5	54	80.0	2.6	1	10.1	4.20	45.1	151	67.1	142	230	53
3439	Corvallis, OR	MW12_4053-007	6	33.0	85.3	54	78.1	2.0	1	11.2	4.22	39.8	126	51.0	277	226	37
3440	Corvallis, OR	MW11S4007-009	6	31.9	85.9	40	78.3	2.0	1	12.2	4.36	37.1	125	62.5	707	233	44

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3441	Corvallis, OR	MW11S4019-014	6	28.4	78.7	54	78.0	2.2	1	12.1	4.25	37.2	159	56.7	570	221	40
3442	Corvallis, OR	MW11S4049-014	6	29.1	64.5	46	79.3	2.3	1	10.1	3.86	40.0	112	69.3	207	224	31
3443	Corvallis, OR	MW11S4060-015	6	31.8	81.5	62	76.7	2.0	1	11.5	3.65	32.1	123	51.3	471	183	32
3444	Corvallis, OR	MW11S4035-008	6	30.1	71.5	57	77.6	2.3	1	12.6	4.96	41.9	221	77.3	356	288	38
3445	Corvallis, OR	MAJA	6	26.9	65.1	54	78.5	2.1	1	11.2	4.23	40.6	168	73.9	105	255	40
3446	Corvallis, OR	MW11S4009-011	6	31.0	65.9	48	77.9	2.1	1	9.9	3.16	33.8	96	51.2	454	157	22
3447	Corvallis, OR	MW11S3037-010	6	28.3	68.3	56	77.4	2.0	1	11.8	3.74	33.7	130	47.5	612	193	25
3448	Corvallis, OR	MW12_4087-003	6	35.1	89.2	52	77.9	2.2	1	13.0	5.31	44.1	195	60.8	204	294	57
3449	Corvallis, OR	MW11S3037-003	6	32.8	79.2	48	76.5	2.6	2	11.3	3.36	30.7	103	40.1	598	164	18
3450	Corvallis, OR	MW11S4019-008	6	27.3	70	50	76.1	2.5	2	12.9	4.32	36.2	138	52.9	566	223	27
3451	Corvallis, OR	MW12_4045-009	6	34.8	91.3	41	78.8	2.4	1	12.7	5.25	44.5	170	67.5	185	282	60
3452	Corvallis, OR	MCGREGOR	6	34.7	92	29	79.6	2.4	1	10.7	3.64	37.2	72	52.1	273	168	34
3453	Corvallis, OR	MW11S4061-009	6	34.5	87.1	37	79.7	2.3	1	10.7	4.44	44.8	168	75.7	167	248	54
3454	Corvallis, OR	MW11S4033-005	6	30.5	71.7	52	78.7	2.5	1	12.0	5.07	43.9	203	60.8	207	263	50
3455	Corvallis, OR	MW11S3029-011	6	28.1	72.3	53	80.9	2.1	1	10.9	4.02	38.9	148	65.4	200	221	38
3456	Corvallis, OR	MW12_4024-005	6	28.5	67.5	48	78.0	2.3	1	11.3	4.49	40.2	181	69.5	113	254	39
3457		LACEY MALT CHECK	6	33.5	88.4	42	79.9	2.4	1	13.4	5.64	43.0	197	90.9	16	329	70
3458	Corvallis, OR	MW11S4025-015	6	29.3	82.6	43	78.7	2.5	1	10.8	4.18	40.2	126	53.2	268	200	37
3459	Corvallis, OR	MW11S4036-007	6	30.6	80.4	49	80.0	2.4	2	10.6	4.04	38.9	140	64.8	174	231	44
3460	Corvallis, OR	MW11S3034-006	6	29.1	69.9	50	78.3	2.7	2	12.2	5.02	42.1	179	58.2	350	291	47
3461	Corvallis, OR	MW11S3026-016	6	32.3	83.3	45	79.4	2.4	2	11.5	4.30	40.4	175	72.3	308	223	50
3462	Corvallis, OR	MW12_4042-007	6	26.9	76.9	50	79.5	2.4	1	11.3	4.57	43.3	138	77.2	398	245	41
3463	Corvallis, OR	MW12_4072-003	6	31.7	87.8	49	77.6	2.3	1	11.6	4.66	43.3	163	65.3	212	256	45
3464	Corvallis, OR	MW11S4025-001	6	30.1	81.8	51	79.5	2.3	1	10.3	4.00	39.3	124	63.4	350	198	40
3465	Corvallis, OR	MW11S4025-009	6	31.1	83.1	45	78.8	3.2	2	11.2	4.19	40.3	129	54.3	505	196	36
3466	Corvallis, OR	MW12_4055-011	6	25.0	59.6	45	77.7	2.7	1	11.8	4.71	39.9	174	73.2	181	248	35
3467	Corvallis, OR	MW11S4033-002	6	28.1	65.4	37	77.9	2.3	1	12.2	4.83	41.6	187	63.9	235	257	40
3468	Corvallis, OR	MW12_4070-009	6	34.8	83.5	48	76.9	2.7	1	12.6	5.38	44.0	187	69.7	163	247	56
3469	Corvallis, OR	MW11S4056-016	6	30.7	81.7	45	79.8	1.9	1	10.9	3.98	38.8	141	68.4	640	176	40
3470	Corvallis, OR	MW12_4016-006	6	33.3	80.2	47	78.6	2.2	1	11.8	4.59	41.2	138	58.3	245	218	45
3471	Corvallis, OR	MW11S4038-011	6	34.1	89.5	49	78.0	2.3	1	10.3	4.24	42.7	151	58.5	82	210	52
3472	Corvallis, OR	MW11S4010-009	6	26.0	52.1	45	76.7	2.9	1	12.4	5.06	42.3	201	82.9	373	245	39
3473	Corvallis, OR	Lacey	6	29.9	68.4	37	78.1	2.4	1	12.7	4.98	41.8	226	75.7	249	235	40
3474	Corvallis, OR	MW11S4036-013	6	27.5	48.6	47	75.5	3.1	1	12.1	5.09	42.3	178	72.8	126	247	42
3475	Corvallis, OR	MW12_4095-008	6	33.5	78.4	35	76.1	3.7	1	13.5	6.19	48.1	235	78.0	177	335	34
3476	Corvallis, OR	MW11S4029-016	6	31.8	91	49	79.5	2.4	1	11.2	4.44	40.0	154	64.6	197	238	45
3477	Corvallis, OR	MW11S4038-009	6	30.7	84.6	48	76.7	2.4	1	11.4	4.46	41.3	136	77.9	332	235	32
3478	Corvallis, OR	MW11S3060-009	6	34.2	87.6	51	77.4	2.1	1	11.2	3.76	34.1	110	53.8	317	168	24
3479	Corvallis, OR	MW12_4030-004	6	33.9	85.5	47	79.0	2.4	1	11.1	4.23	38.2	98	63.1	349	226	39
3480	Corvallis, OR	MW12_4055-001	6	27.6	68.8	33	79.0	2.5	1	12.6	5.03	40.5	215	70.9	203	272	44
3481	Corvallis, OR	MW11S4050-015	6	35.2	83	43	80.1	2.7	1	11.7	4.73	43.2	153	76.0	218	276	56
3482	Corvallis, OR	MW12_4011-006	6	28.8	69.7	54	78.3	2.9	1	12.4	5.24	43.0	195	77.9	270	303	52
3483	Corvallis, OR	MW11S4039-002	6	29.1	76	47	77.9	2.5	1	12.3	4.82	40.5	195	80.2	207	269	43

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3484	Corvallis, OR	MW12_4049-002	6	27.2	78.6	46	75.4	2.4	1	11.9	4.59	40.2	156	57.5	249	195	32
3485	Corvallis, OR	MW11S4056-005	6	32.1	94.2	29	77.3	2.2	1	11.9	4.34	37.2	162	59.7	473	160	36
3486	Corvallis, OR	MW12_4011-004	6	28.5	66.7	48	79.3	3.0	1	11.4	4.90	44.8	169	68.5	154	245	49
3487	Corvallis, OR	MW12_4075-006	6	30.5	73.8	32	75.8	3.1	1	10.9	4.52	41.6	125	75.1	142	246	33
3488		LACEY MALT CHECK	6	33.0	88.4	42	79.6	2.9	1	13.1	6.07	48.6	172	90.9	15	274	58
3489	Corvallis, OR	MW11S3033-011	6	30.3	74.2	50	79.2	2.3	1	10.6	4.39	43.4	134	66.0	274	212	45
3490	Corvallis, OR	MW11S4037-002	6	30.6	85.1	48	78.0	2.4	1	10.9	4.29	39.6	127	59.8	600	221	36
3491	Corvallis, OR	MW11S4057-012	6	28.2	80.8	33	76.4	2.2	1	12.5	4.19	34.4	174	63.3	489	196	36
3492	Corvallis, OR	MW12_4022-007	6	27.6	62.1	42	78.0	2.9	1	11.8	4.70	41.2	192	79.3	147	214	38
3493	Corvallis, OR	MW11S4019-007	6	29.1	76.6	39	79.5	2.5	1	11.9	4.61	40.6	169	79.0	360	233	46
3494	Corvallis, OR	MW11S4062-008	6	28.5	74.7	31	76.2	3.1	2	13.2	4.52	36.4	249	69.4	338	192	33
3495	Corvallis, OR	MW12_4006-007	6	29.3	60.1	36	76.7	3.8	1	12.4	5.01	40.5	227	90.9	132	246	39
3496	Corvallis, OR	MW11S4009-016	6	30.1	74.2	43	78.0	2.4	1	11.1	3.97	36.1	158	69.8	284	181	32
3497	Corvallis, OR	MCGREGOR	6	35.2	92.9	29	79.3	2.4	1	10.4	3.46	35.1	70	55.4	244	157	34
3498	Corvallis, OR	MW12_4007-008	6	31.5	86.3	51	80.3	2.7	1	12.1	5.01	43.7	132	87.1	185	255	55
3499	Corvallis, OR	MW12_4011-012	6	30.3	75.4	54	79.1	2.6	1	12.9	5.57	45.6	207	82.9	189	277	60
3500	Corvallis, OR	MW12_4007-002	6	23.1	53.7	38	76.3	3.5	1	13.2	5.44	43.9	219	72.4	69	273	50
3501	Corvallis, OR	MW12_4046-011	6	29.2	66.2	40	77.8	2.7	1	12.0	4.64	41.3	158	67.9	407	240	37
3502	Corvallis, OR	MW11S4030-012	6	27.9	74.6	48	79.5	2.5	1	10.7	4.14	41.6	142	59.2	325	210	39
3503	Corvallis, OR	MAJA	6	27.4	58.9	52	79.3	2.2	1	11.4	4.77	44.8	182	71.6	173	268	41
3504	Corvallis, OR	MW11S4009-008	6	29.9	62	40	76.9	3.1	1	11.0	4.51	44.0	142	68.3	293	211	33
3505	Corvallis, OR	MW11S4039-015	6	32.0	81.2	50	75.3	2.5	1	14.4	5.44	39.8	164	70.2	377	266	37
3506	Corvallis, OR	MW12_4070-008	6	29.8	62.4	38	73.9	3.0	1	13.3	5.29	42.5	174	68.0	549	268	45
3507	Corvallis, OR	MW12_4089-006	6	30.1	81.5	49	76.6	2.3	1	12.6	4.64	38.6	141	70.6	549	221	40
3508	Corvallis, OR	MW12_4046-003	6	32.0	85.5	45	78.7	2.9	1	11.7	5.41	47.8	132	69.2	336	281	52
3509	Corvallis, OR	MW12_4054-008	6	27.7	58.9	52	78.3	2.7	1	11.1	4.76	46.3	135	83.3	235	215	35
3510	Corvallis, OR	MW11S4016-014	6	30.4	65.2	50	78.6	2.7	1	12.7	5.40	43.5	192	81.6	339	262	54
3511	Corvallis, OR	MW12_4042-010	6	33.0	87.4	43	78.7	2.7	1	11.8	5.09	45.1	173	63.1	593	257	56
3512	Corvallis, OR	MW12_4086-008	6	28.6	58	53	77.6	2.5	1	11.3	4.51	41.6	106	54.8	241	219	21
3513	Corvallis, OR	MW11S3019-011	6	28.7	61.7	45	76.7	2.8	1	13.2	5.37	43.1	164	66.2	294	251	45
3514	Corvallis, OR	MW11S3037-014	6	27.4	56.4	43	75.8	2.6	1	12.5	4.61	37.9	131	47.4	503	200	25
3515	Corvallis, OR	MW12_4072-012	6	36.6	94.5	45	77.5	2.3	1	12.6	4.96	42.1	161	63.2	196	245	49
3516	Corvallis, OR	MW11S4006-014	6	30.2	63.2	37	76.6	2.7	1	11.6	4.73	44.8	139	65.1	280	211	37
3517	Corvallis, OR	MW11S4019-011	6	31.0	69.3	47	78.1	2.5	1	9.8	4.48	45.6	126	59.6	412	216	36
3518	Corvallis, OR	MW11S4036-006	6	30.1	56.8	48	74.5	3.3	2	10.6	4.35	45.1	107	53.8	237	189	22
3519		LACEY MALT CHECK	6	33.2	89.7	43	80.1	2.7	1	13.3	6.25	49.5	168	85.3	22	287	58
3520	Corvallis, OR	MW12_4065-009	6	29.3	82	45	79.8	n.d.	3	10.1	4.08	42.5	102	54.7	234	185	34
3521	Corvallis, OR	MW11S3016-015	6	33.7	87.3	46	78.9	2.4	1	12.8	5.19	42.3	216	59.9	617	228	56
3522	Corvallis, OR	MW12_4022-005	6	28.6	68.9	46	79.7	2.9	1	11.0	4.72	43.5	142	74.1	282	229	43
3523	Corvallis, OR	MW12_4014-002	6	27.7	74.6	39	78.5	2.3	1	11.8	4.66	41.9	188	56.2	436	206	41
3524	Corvallis, OR	MW12_4091-012	6	26.0	52.2	41	76.2	3.1	1	11.8	5.77	52.0	152	74.6	128	258	37
3525	Corvallis, OR	MW12_4016-004	6	31.7	76.8	47	77.7	2.5	2	11.6	4.65	41.1	124	48.5	246	213	35
3526	Corvallis, OR	MW11S4049-010	6	31.4	87	45	80.5	n.d.	3	9.7	4.20	48.3	121	64.9	271	187	35

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3527	Corvallis, OR	MW11S3037-007	6	31.3	82	42	76.4	2.1	1	12.0	4.03	34.7	133	51.9	745	166	32
3528	Corvallis, OR	MW12_4049-008	6	32.1	84.2	50	77.6	2.4	1	12.1	5.19	43.7	176	71.0	265	243	49
3529	Corvallis, OR	MW11S4053-010	6	29.0	69.4	39	80.6	2.9	2	12.9	5.96	48.5	174	73.3	148	296	48
3530	Corvallis, OR	MW11S3035-016	6	32.2	85.2	46	80.1	2.2	1	10.6	4.39	42.7	153	73.8	596	181	46
3531	Corvallis, OR	MW11S3026-013	6	32.7	85.1	47	79.8	n.d.	3	10.6	4.32	42.6	162	64.4	333	191	47
3532	Corvallis, OR	MW11S4038-013	6	37.5	94.8	41	77.5	2.4	2	13.1	5.22	40.8	142	65.7	464	230	47
3533	Corvallis, OR	MW11S3030-015	6	31.3	83.1	49	80.0	2.1	1	10.9	4.41	43.4	137	58.0	346	228	47
3534	Corvallis, OR	MW12_4042-009	6	33.4	90	49	79.4	2.6	1	13.3	5.59	43.0	214	69.9	444	289	63
3535	Corvallis, OR	MW12_4059-001	6	34.0	93.9	44	79.9	2.4	1	13.5	5.40	42.9	192	59.5	282	277	63
3536	Corvallis, OR	MW12_4071-007	6	33.0	90.1	47	79.2	2.3	1	10.6	4.37	44.6	121	55.7	123	216	51
3537	Corvallis, OR	MW11S4062-009	6	31.2	77	31	74.3	3.1	1	12.6	4.74	38.6	234	58.4	103	210	45
3538	Corvallis, OR	MW12_4014-011	6	29.5	79.2	41	78.9	2.2	1	13.1	4.81	38.3	187	60.9	426	224	46
3539	Corvallis, OR	MW11S4026-016	6	34.0	87.1	35	75.4	2.4	1	15.5	5.79	38.1	225	82.6	331	276	34
3540	Corvallis, OR	MW12_4088-003	6	27.5	44.8	39	74.7	3.5	1	11.5	4.47	42.2	165	73.5	69	226	38
3541	Corvallis, OR	MW12_4014-003	6	29.6	74.8	39	76.5	2.6	1	13.5	4.98	38.4	220	70.4	212	233	34
3542	Corvallis, OR	MW11S4019-004	6	26.4	53	49	77.1	2.7	1	11.5	4.74	42.4	176	78.3	232	244	31
3543	Corvallis, OR	MW11S4062-016	6	25.1	50.6	31	75.6	2.5	1	13.4	5.84	44.9	166	70.2	365	287	39
3544	Corvallis, OR	MW12_4095-010	6	30.2	78.4	43	77.7	2.5	1	12.4	4.84	42.6	173	64.7	359	233	46
3545	Corvallis, OR	MW12_4033-005	6	29.4	76.9	48	78.8	3.2	2	10.9	3.93	38.2	110	51.0	353	174	25
3546	Corvallis, OR	MCGREGOR	6	36.6	92.9	32	78.9	2.1	1	10.7	3.59	33.7	68	47.8	323	152	28
3547	Corvallis, OR	MW12_4028-009	6	30.3	80.9	39	77.2	2.5	1	12.9	4.92	39.0	188	68.9	444	243	43
3548	Corvallis, OR	MW11S4009-013	6	32.1	76.6	55	78.1	2.0	1	11.1	3.70	35.6	110	51.0	249	159	26
3549	Corvallis, OR	MW11S4010-014	6	28.2	73.5	31	76.2	2.9	1	12.5	5.28	45.2	173	82.1	298	215	48
3550		LACEY MALT CHECK	6	33.5	89.5	43	79.5	2.4	1	13.0	5.90	46.1	185	85.5	22	275	66
3551	Corvallis, OR	MW11S4060-010	6	30.1	80.7	54	76.6	2.1	1	11.7	3.57	32.0	126	48.6	624	140	29
3552	Corvallis, OR	MAJA	6	25.5	54.2	47	77.6	2.4	1	11.7	4.54	39.8	176	74.3	93	202	38
3553	Corvallis, OR	MW12_4064-005	6	30.9	82.9	43	78.9	2.3	1	11.6	4.53	39.6	161	60.2	353	212	47
3554	Corvallis, OR	MW11S4020-002	6	30.8	77.4	45	80.2	2.4	1	12.2	5.01	42.0	188	64.1	150	193	57
3555	Corvallis, OR	MW11S3024-004	6	29.2	77.8	43	77.9	3.0	2	12.5	4.68	38.6	161	65.8	232	194	37
3556	Corvallis, OR	MW11S4035-015	6	31.5	84.6	42	79.6	2.6	1	10.6	4.52	45.3	132	78.0	395	186	42
3557	Corvallis, OR	MW11S4042-006	6	32.0	81.6	39	79.4	2.4	1	11.6	4.89	45.2	158	68.7	251	239	58
3558	Corvallis, OR	MW12_4067-001	6	26.5	41.2	48	73.8	4.0	2	11.3	5.17	48.0	115	80.8	57	262	28
3559	Corvallis, OR	MW12_4042-012	6	30.2	78.1	49	78.0	2.3	1	11.9	4.52	40.4	154	66.9	598	221	42
3560	Corvallis, OR	MW11S4031-002	6	30.0	57.7	35	76.6	4.0	2	12.2	4.82	42.4	168	63.0	132	230	45
3561	Corvallis, OR	MW11S4029-003	6	30.0	75.4	43	78.5	2.1	1	11.9	4.75	41.7	162	63.9	165	220	46
3562	Corvallis, OR	MW12_4059-007	6	28.4	73.3	45	79.0	2.7	1	11.4	4.88	45.7	163	78.8	231	227	46
3563	Corvallis, OR	MW11S3030-014	6	23.5	51.3	44	74.8	4.1	1	13.2	5.82	47.2	200	83.5	130	271	37
3564	Corvallis, OR	MW11S4039-011	6	30.7	90.3	49	77.0	2.2	1	12.7	5.03	41.7	159	74.8	225	237	43
3565	Corvallis, OR	MW11S4033-010	6	29.0	54.8	46	78.7	2.1	1	11.3	4.18	38.4	137	54.4	448	182	27
3566	Corvallis, OR	MW12_4057-010	6	33.2	84.9	46	80.3	2.3	1	10.3	4.54	46.8	149	71.6	298	200	51
3567	McVillie, ND	CONLON	2	42.6	98.6	29	81.7	2.4	1	12.0	5.18	43.9	136	85.6	327	209	63
3568	McVillie, ND	PINNACLE	2	40.3	96.2	21	81.6	3.1	1	10.7	4.66	46.7	107	69.0	124	196	57
3569	McVillie, ND	2ND25276	2	36.5	94.8	22	81.2	6.3	1	11.0	5.21	50.8	99	92.9	114	233	49

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3570	McVile, ND	LACEY	6	33.3	96	28	79.8	3.3	1	12.6	5.72	47.2	151	73.4	116	245	61
3571	McVile, ND	STELLAR-ND	6	34.6	97.9	30	79.7	5.5	1	12.6	6.50	51.9	149	80.2	113	290	58
3572	McVile, ND	2ND31815	2	39.6	97.4	19	80.6	3.6	1	11.6	5.36	47.5	110	80.4	51	241	56
3573	McVile, ND	2ND31879	2	41.4	95.7	23	83.0	4.4	1	12.1	6.45	54.5	118	88.4	177	267	47
3574	McVile, ND	2ND31885	2	40.4	97	25	82.0	3.9	1	11.9	5.76	51.3	125	79.7	198	247	53
3575	McVile, ND	2ND31893	2	40.9	94.9	25	83.5	2.9	1	10.6	4.82	48.6	136	91.8	218	212	52
3576	McVile, ND	2ND31899	2	42.5	95.8	24	82.2	3.0	1	10.9	4.56	42.8	119	73.7	174	203	55
3577	McVile, ND	2ND31914	2	42.2	97.8	28	80.7	4.0	1	11.4	5.59	49.5	133	81.2	96	248	62
3578	McVile, ND	2ND32184	2	38.7	95.9	22	81.7	3.3	1	11.1	5.13	46.9	100	91.7	41	213	64
3579		HARRINGTON MALT CHECK	2	39.8	96.3	72	82.0	2.0	1	11.5	4.57	41.0	122	82.4	84	206	67
3580	Ray, ND	ROBUST	6	38.6	97.3	42	79.3	1.8	1	14.1	5.39	40.7	213	65.9	125	239	51
3581	Ray, ND	LACEY	6	38.4	97.8	43	79.5	2.3	1	13.2	4.94	39.2	208	71.9	66	218	61
3582	Ray, ND	TRADITION	6	38.1	96	47	79.3	2.1	1	13.7	4.90	38.4	233	70.7	124	213	52
3583	Ray, ND	STELLAR-ND	6	38.6	97.2	46	79.9	2.5	1	13.4	5.11	39.8	223	79.8	79	238	61
3584	Ray, ND	QUEST	6	36.5	94.6	43	79.3	2.3	1	13.8	5.47	40.5	218	80.4	161	260	56
3585	Ray, ND	ND31040	6	39.9	98	49	79.4	2.3	1	13.3	5.00	39.6	167	78.6	75	234	61
3586	Ray, ND	ND31091	6	39.2	98.4	45	79.8	2.3	1	12.8	5.34	42.8	188	74.8	58	236	70
3587	Ray, ND	ND31245	6	37.3	96.8	42	78.9	2.4	1	13.3	5.35	42.9	209	80.1	80	225	67
3588	Ray, ND	ND31317	6	37.0	95.4	44	80.1	2.4	1	13.6	5.57	42.7	256	73.4	79	254	65
3589	Ray, ND	ND31321	6	37.7	96.9	46	80.6	2.2	1	12.2	4.91	42.4	207	71.8	48	236	66
3590	Ray, ND	ND31382	6	36.2	97.1	44	81.5	2.7	1	12.8	5.60	46.3	199	101.7	71	276	70
3591	Ray, ND	ND31384	6	37.8	96.1	47	79.3	2.4	1	12.2	4.77	42.3	148	83.2	55	229	63
3592	Ray, ND	ND31419	6	35.1	96.1	44	79.4	2.2	1	13.0	4.95	38.9	179	86.5	163	238	57
3593	Ray, ND	ND31688	6	35.8	96.0	41	80.2	2.4	1	12.8	5.09	40.9	207	93.0	82	240	61
3594	Ray, ND	ND31721	6	36.5	97.0	37	80.9	2.4	1	13.3	5.35	41.0	224	96.8	38	247	65
3595	Sturgeon Bay, WI	1-B		43.8	98.0	16	80.3	3.7	1	11.1	4.42	40.6	87	65.6	836	173	
3596	Sturgeon Bay, WI	1-O		42.4	95.6	7	79.5	6.0	1	12.4	5.39	49.5	81	74.0	166	267	
3597	Sturgeon Bay, WI	1-R		40.8	96.0	3	80.1	5.1	2	12.7	5.31	44.2	90	82.2	425	248	
3598	Sturgeon Bay, WI	1-W		42.6	96.2	9	79.9	n.d.	3	12.6	5.50	44.2	97	73.4	328	225	
3599	Sturgeon Bay, WI	1-Y		41.6	96.1	8	80.2	5.0	2	11.7	5.63	46.0	116	88.9	347	272	
3600	Sturgeon Bay, WI	2-B		44.2	97.6	14	80.6	4.8	1	11.6	5.30	47.0	101	81.7	432	247	
3601	Sturgeon Bay, WI	2-O		43.7	97.0	3	80.9	5.8	2	12.6	5.45	50.0	71	80.6	401	255	
3602	Sturgeon Bay, WI	2-R		42.7	96.0	3	79.4	n.d.	3	12.8	5.49	44.0	72	67.7	440	233	
3603	Sturgeon Bay, WI	2-W		45.2	98.3	10	79.4	n.d.	3	11.1	5.04	41.0	61	57.6	238	239	
3604	Sturgeon Bay, WI	2-Y		45.8	97.7	3	81.0	5.3	1	11.7	5.44	48.4	63	77.7	248	261	
3605	Sturgeon Bay, WI	3-B		42.7	96.6	7	80.5	3.5	1	10.2	4.49	46.0	62	69.5	355	200	
3606	Sturgeon Bay, WI	3-O		44.6	97.2	3	80.0	n.d.	3	11.6	4.99	43.6	59	59.4	401	212	
3607	Sturgeon Bay, WI	3-R		43.2	95.8	3	80.1	n.d.	3	12.0	5.13	44.2	65	62.0	434	237	
3608	Sturgeon Bay, WI	3-W		42.9	97.4	10	80.6	3.8	1	9.7	4.49	46.8	66	70.0	329	204	
3609	Sturgeon Bay, WI	3-Y		44.0	96.1	4	80.7	4.3	2	10.6	4.65	44.4	62	66.0	435	207	
3610		LACEY MALT CHECK	6	33.6	88.3	42	79.6	3.0	1	13.5	6.34	47.8	149	83.3	39	283	
3611	Sturgeon Bay, WI	4-B		40.4	94.3	14	81.2	3.8	1	9.3	4.38	48.6	68	77.3	228	202	
3612	Sturgeon Bay, WI	4-O		43.0	96.6	6	80.4	5.4	2	10.9	5.17	48.4	59	73.8	318	235	

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3613	Sturgeon Bay, WI	4-R		43.7	96.4	3	79.4	5.5	2	12.5	5.14	41.6	61	56.7	462	228	
3615	Sturgeon Bay, WI	4-Y		42.5	96.4	6	81.3	4.6	2	10.2	4.66	45.8	59	67.1	319	198	
3616	Sturgeon Bay, WI	101-SBT		35.8	91.0	9	78.1	4.1	1	12.4	5.06	40.7	116	72.4	416	202	
3617	Sturgeon Bay, WI	102-SBT		37.7	93.4	14	78.9	3.7	2	14.0	5.63	41.7	115	80.6	394	258	
3618	Sturgeon Bay, WI	103-SBT		37.4	96.3	10	78.4	3.0	1	12.9	5.14	40.3	127	92.2	461	217	
3619	Sturgeon Bay, WI	104-SBT		33.2	93.9	13	77.3	3.1	1	15.3	5.95	40.2	131	74.3	584	261	
3620	Sturgeon Bay, WI	105-SBT		33.2	93.5	16	77.2	2.7	1	15.1	5.71	39.6	133	74.7	440	252	
3621	Sturgeon Bay, WI	106-SBT		34.2	94.4	16	77.9	3.2	1	14.4	6.47	44.8	143	86.2	412	299	
3622	Sturgeon Bay, WI	107-SBT		38.2	94.4	13	77.7	3.0	1	13.4	5.08	38.5	138	87.4	554	255	
3623	Sturgeon Bay, WI	108-SBT		37.4	95.9	14	78.0	2.7	1	13.7	4.87	36.2	127	94.2	505	228	
3624	Sturgeon Bay, WI	109-SBT		33.0	92.8	11	77.8	3.2	1	14.2	6.05	44.4	137	76.1	529	311	
3625	Sturgeon Bay, WI	110-SBT		37.6	92.5	15	78.6	3.1	1	12.5	5.30	43.2	141	99.7	364	268	
3626	Sturgeon Bay, WI	111-SBT		29.3	85.5	22	76.9	2.7	1	14.0	5.52	41.1	177	70.7	515	271	
3627	Sturgeon Bay, WI	201-SBT		31.4	87.2	10	76.9	2.8	1	16.1	6.11	40.5	147	76.4	430	307	
3628	Sturgeon Bay, WI	202-SBT		30.2	88.2	15	76.5	2.9	1	15.5	6.23	41.0	141	75.3	430	311	
3629	Sturgeon Bay, WI	203-SBT		38.0	96.3	11	76.9	3.1	1	14.3	5.07	36.8	125	87.2	575	217	
3630	Sturgeon Bay, WI	204-SBT		32.8	94.0	14	76.2	2.8	2	15.7	5.33	34.4	150	76.0	538	246	
3631	Sturgeon Bay, WI	205-SBT		30.8	85.9	20	76.1	3.2	1	15.8	6.00	38.3	125	74.7	412	276	
3632	Sturgeon Bay, WI	206-SBT		36.0	94.8	15	76.4	3.6	1	15.2	5.58	37.4	116	84.4	447	248	
3633	Sturgeon Bay, WI	207-SBT		36.1	95.8	11	76.1	3.7	1	15.2	5.39	36.5	120	92.2	390	254	
3634	Sturgeon Bay, WI	208-SBT		35.1	95.0	12	76.6	3.5	1	15.6	5.49	37.0	113	86.3	562	251	
3635	Sturgeon Bay, WI	209-SBT		30.2	88.7	13	76.8	3.8	1	16.3	6.55	41.7	143	89.8	415	325	
3636	Sturgeon Bay, WI	210-SBT		34.8	90.5	11	76.3	3.5	1	16.6	5.59	34.0	94	67.9	747	266	
3637	Sturgeon Bay, WI	211-SBT		34.6	91.9	10	74.6	4.7	2	15.5	5.55	35.5	83	63.7	661	257	
3638	Sturgeon Bay, WI	301-SBT		37.9	95.4	12	76.0	4.1	2	14.3	4.90	34.6	87	63.5	655	217	
3639	Sturgeon Bay, WI	302-SBT		37.8	94.9	11	77.6	4.8	2	15.4	5.62	36.6	83	67.7	610	253	
3640	Sturgeon Bay, WI	303-SBT		38.6	97.8	12	77.9	3.1	1	14.2	4.94	35.0	136	78.8	589	231	
3641	Sturgeon Bay, WI	HARRINGTON MALT CHECK	2	40.6	96.0	76	82.4	2.2	1	12.0	4.81	43.0	109	83.6	143	224	
3642	Sturgeon Bay, WI	304-SBT		33.1	95.0	15	76.5	3.0	1	15.8	5.60	37.4	148	73.2	533	264	
3643	Sturgeon Bay, WI	305-SBT		36.7	95.3	9	78.2	3.1	1	14.4	5.50	40.4	126	87.3	438	234	
3644	Sturgeon Bay, WI	306-SBT		33.0	91.0	9	77.6	3.4	1	15.6	5.90	38.8	127	72.3	465	280	
3645	Sturgeon Bay, WI	307-SBT		33.0	92.4	12	77.2	2.9	1	15.1	5.66	38.9	111	68.0	572	257	
3646	Sturgeon Bay, WI	308-SBT		37.0	95.5	11	76.9	3.1	1	14.6	4.86	33.7	125	81.1	575	231	
3647	Sturgeon Bay, WI	309-SBT		31.2	92.4	11	76.7	3.5	2	15.4	6.07	39.5	134	74.3	603	278	
3648	Sturgeon Bay, WI	310-SBT		36.2	97.1	8	76.9	2.7	1	14.7	5.04	34.8	140	85.7	567	234	
3649	Sturgeon Bay, WI	311-SBT		32.0	92.6	12	77.4	3.7	1	16.3	6.85	42.1	140	81.5	456	323	
3650	Pullman, WA	Transit	2	41.0	96.3	76	82.6	1.7	2	11.8	4.75	43.4	123	87.6	72	221	68
3651	Pullman, WA	13WA-101.7	2	41.2	97.9	54	77.5	n.d.	3	14.5	4.90	34.5	160	63.7	351	213	35
3652	Pullman, WA	13WA-101.9	2	43.1	98.3	58	75.8	n.d.	3	16.4	4.98	30.5	168	56.6	350	203	36
3653	Pullman, WA	13WA-105.5	2	40.3	96.5	77	82.5	2.0	1	11.5	4.79	44.4	123	87.5	48	228	69
3654	Pullman, WA	13WA-107.2	2	40.5	95.1	77	82.2	2.1	1	11.8	4.71	42.8	121	86.5	63	229	69
3655	Pullman, WA	13WA-110.9	2	40.9	96.2	72	82.3	2.1	1	11.7	4.65	42.5	115	86.6	56	232	66
3656	Pullman, WA	13WA-111.2	2	38.6	92.9	59	77.0	1.6	1	13.8	4.12	30.1	150	52.7	388	168	26

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3657	Pullman, WA	13WA-114.4	2	39.9	94.6	64	79.1	1.7	1	11.9	4.03	35.5	107	74.6	197	174	37
3658	Pullman, WA	13WA-117.9	2	34.7	72.2	78	75.6	1.5	1	13.5	3.83	29.1	110	55.0	283	166	13
3659	Pullman, WA	13WA-118.11	2	40.3	96.5	75	81.9	2.0	1	11.8	4.68	43.3	113	82.8	117	225	62
3660	Pullman, WA	13WA-123.5	2	33.0	75.51	77	75.6	1.7	1	11.3	3.36	30.7	95	45.6	330	134	16
3661	Pullman, WA	13WA-125.2	2	35.1	79.4	84	76.7	n.d.	3	13.8	4.18	31.4	54	43.4	1148	157	7
3662	Pullman, WA	13WA-128.1	2	40.0	96.9	75	78.7	2.1	1	13.0	5.15	41.3	121	96.4	91	257	58
3663	Pullman, WA	13WA-129.11	2	35.1	85.5	75	77.7	1.8	2	12.0	3.55	31.4	96	50.2	205	153	21
3664	Pullman, WA	13WA-129.4	2	37.2	89.9	73	77.1	1.9	2	11.7	3.61	31.3	98	49.1	272	132	18
3665	Pullman, WA	13WA-130.1	2	39.7	96.7	74	81.9	2.2	1	11.8	4.87	43.7	108	89.0	45	234	64
3666	Pullman, WA	13WA-132.6	2	35.1	82.9	69	76.9	1.7	1	11.8	3.55	32.0	97	55.8	187	144	19
3667	Pullman, WA	13WA-137.6	2	39.0	94.5	73	80.2	2.4	1	11.9	4.74	43.6	104	91.6	88	234	61
3668	Pullman, WA	13WA-143.3	2	38.1	94.5	77	80.3	2.2	1	11.4	4.81	45.0	109	79.1	89	217	61
3669	Pullman, WA	13WA-143.6	2	40.0	95	73	82.0	2.4	1	11.7	4.73	44.3	104	87.0	58	218	64
3670	Pullman, WA	13WA-145.11	2	36.1	91.6	70	77.8	2.0	1	11.1	3.74	34.9	83	54.0	185	162	24
3671	Pullman, WA	13WA-145.14	2	40.3	94.8	78	78.4	1.8	1	12.1	4.27	36.8	115	80.7	163	194	44
3672		HARRINGTON MALT CHECK	2	39.5	96.2	75	82.1	2.1	1	11.9	4.68	42.2	109	87.6	25	224	64
3673	Pullman, WA	13WA-145.5	2	40.4	95.7	73	81.9	2.4	1	11.6	4.45	41.9	110	78.3	81	209	66
3674	Pullman, WA	13WA-148.3	2	42.1	97	77	80.0	2.8	1	12.6	5.17	43.6	133	82.1	96	230	67
3675	Pullman, WA	13WA-149.7	2	40.2	96.5	71	81.8	2.4	1	11.8	4.49	40.3	115	81.5	134	226	62
3676	Pullman, WA	13WA-150.9	2	36.1	90.7	63	80.0	2.3	1	12.2	4.65	41.2	76	92.7	136	245	51
3677	Pullman, WA	13WA-155.12	2	38.7	96.7	75	79.4	1.7	1	10.9	3.58	34.9	80	43.4	209	154	25
3678	Pullman, WA	13WA-155.5	2	33.9	91.5	78	78.3	1.8	1	12.1	3.64	32.4	69	47.6	295	162	25
3679	Pullman, WA	13WA-158.1	2	35.7	90.2	78	76.8	2.0	2	12.0	3.37	29.8	92	50.5	159	139	23
3680	Pullman, WA	13WA-160.14	2	35.0	93.5	65	75.4	2.5	2	12.9	3.93	31.7	62	49.8	1020	164	20
3681	Pullman, WA	13WA-164.1	2	40.6	95.9	74	81.4	2.5	1	11.1	4.36	39.9	97	75.8	113	223	49
3682	Pullman, WA	13WA-101.11	2	37.5	91	60	74.0	2.5	2	14.9	3.78	26.2	147	50.6	433	171	20
3683	Pullman, WA	13WA-101.12	2	35.5	90	59	74.6	2.6	2	14.8	3.66	26.3	161	45.8	221	149	17
3684	Pullman, WA	13WA-101.2	2	40.2	96.2	57	74.4	2.7	2	15.0	3.83	26.2	161	45.1	280	151	21
3685	Pullman, WA	13WA-105.2	2	34.4	67.7	72	72.2	1.5	1	14.7	3.57	24.4	116	50.9	326	140	13
3686	Pullman, WA	13WA-106.9	2	40.3	93	58	74.7	2.4	2	14.9	3.78	26.5	122	47.9	388	148	21
3687	Pullman, WA	13WA-112.1	2	38.6	94.4	68	80.6	2.3	1	13.9	5.59	41.6	174	102.1	51	261	54
3688	Pullman, WA	13WA-114.7	2	37.2	95.2	65	77.0	2.4	1	13.2	4.71	37.1	117	90.3	670	222	35
3689	Pullman, WA	13WA-115.2	2	40.8	93.7	53	77.3	1.8	1	13.6	3.73	28.1	84	58.2	505	167	18
3690	Pullman, WA	13WA-127.3	2	35.6	88.1	68	74.7	n.d.	3	13.0	3.70	29.7	113	46.0	245	150	21
3691	Pullman, WA	13WA-129.8	2	36.6	88.9	71	77.9	1.9	1	11.9	3.75	31.7	95	55.8	209	171	22
3692	Pullman, WA	13WA-130.2	2	33.3	78.7	83	74.3	n.d.	3	12.5	3.52	28.9	108	47.0	216	136	18
3693	Pullman, WA	13WA-135.20	2	38.5	92.5	81	77.5	1.7	1	11.9	3.51	32.1	112	49.5	60	152	34
3694	Pullman, WA	13WA-138.2	2	37.4	91.6	82	78.7	2.0	1	11.5	4.32	37.8	115	70.9	191	212	40
3695	Pullman, WA	13WA-144.3	2	36.9	93.8	75	74.8	2.6	2	13.4	3.31	25.9	68	48.5	1122	135	15
3696	Pullman, WA	13WA-115.5	2	39.9	93.4	51	76.3	2.0	1	16.4	4.60	28.4	109	78.1	388	211	32
3697	Pullman, WA	13WA-145.4	2	40.2	93	85	77.2	1.8	2	11.5	3.32	30.4	107	57.6	208	150	31
3698	Pullman, WA	13WA-150.2	2	33.6	82.3	75	79.2	1.9	1	11.3	3.82	36.4	99	90.0	123	190	31
3699	Pullman, WA	13WA-156.1	2	35.4	91.2	75	76.8	1.8	1	12.7	3.85	32.0	98	58.9	225	167	24

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3700	Pullman, WA	13WA-158.19	2	36.0	92.5	73	79.2	1.6	1	11.9	3.79	34.0	112	70.0	87	189	42
3701	Pullman, WA	13WA-160.13	2	39.9	96.6	71	79.9	2.3	2	11.6	4.07	37.2	106	81.2	158	212	44
3702	Pullman, WA	13WA-160.24	2	34.2	91	79	77.0	2.3	2	12.9	3.66	29.7	81	63.7	105	174	26
3703	Pullman, WA	13WA-164.3	2	39.9	92.5	70	79.7	1.9	1	12.2	4.24	37.8	117	82.8	239	237	45
3704		HARRINGTON MALT CHECK	2	40.1	96.5	73	82.1	2.1	1	11.4	4.66	44.2	118	97.3	37	255	66
3705	Pullman, WA	13WA-115.6	2	42.4	96.1	66	78.5	2.0	1	13.0	4.26	34.3	115	85.3	152	216	40
3706	Pullman, WA	13WA-119.5	2	39.4	95.5	63	78.9	2.9	2	11.8	4.28	39.1	108	88.6	84	223	48
3707	Pullman, WA	13WA-120.6	2	43.6	96	70	76.8	1.5	1	12.8	3.59	28.9	114	56.0	120	166	36
3708	Pullman, WA	13WA-128.18	2	39.2	92.5	71	79.8	1.9	1	11.3	4.55	42.0	97	102.3	112	258	53
3709	Pullman, WA	13WA-130.11	2	35.4	88.3	74	75.8	1.8	1	12.6	3.75	31.1	111	52.3	236	162	26
3710	Pullman, WA	13WA-135.11	2	39.5	86.9	90	75.7	1.6	1	12.3	3.80	31.2	118	45.0	229	169	25
3711	Pullman, WA	13WA-135.16	2	38.3	90.5	81	77.4	1.6	1	12.1	3.77	32.9	120	54.8	75	169	37
3712	Pullman, WA	13WA-138.3	2	35.2	81.6	90	77.5	1.5	1	12.2	4.23	35.4	128	76.9	85	206	41
3713	Pullman, WA	13WA-140.2	2	36.6	88.6	91	77.8	2.4	2	12.5	4.00	34.3	137	69.3	192	192	36
3714	Pullman, WA	13WA-142.1	2	33.0	73.4	78	76.9	n.d.	3	11.7	3.56	31.5	108	58.8	167	156	21
3715	Pullman, WA	13WA-145.6	2	38.9	89.8	79	79.2	2.0	1	12.3	4.54	39.5	83	90.4	129	244	43
3716	Pullman, WA	13WA-146.12	2	35.0	82.5	89	79.9	1.6	1	11.0	3.80	36.7	103	68.0	83	194	37
3717	Pullman, WA	13WA-146.13	2	35.1	83	87	79.2	1.7	1	11.4	4.04	38.6	120	69.8	50	206	45
3718	Pullman, WA	13WA-146.4	2	39.4	89.7	88	79.5	2.0	1	12.2	4.83	41.4	142	94.7	60	252	62
3719	Pullman, WA	13WA-152.5	2	38.7	92.1	89	76.7	2.1	2	11.3	3.61	33.4	112	53.2	91	172	36
3720	Pullman, WA	13WA-153.1	2	35.9	94.1	93	79.0	1.7	1	12.8	4.49	37.8	113	68.8	209	219	44
3721	Pullman, WA	13WA-101.3	2	38.9	94.7	51	73.7	2.1	2	15.9	3.65	24.3	173	46.6	359	173	19
3722	Pullman, WA	13WA-146.11	2	33.6	91.9	75	78.5	n.d.	3	10.3	3.18	33.5	80	52.7	59	128	28
3723	Pullman, WA	13WA-153.11	2	35.9	93.4	80	79.0	n.d.	3	11.1	3.54	33.1	102	55.8	61	149	37
3724	Pullman, WA	13WA-153.4	2	41.1	93.6	82	77.5	n.d.	3	11.0	3.68	34.6	118	47.8	65	139	29
3725	Pullman, WA	Baronesse	2	39.5	95.3	72	77.1	n.d.	3	11.2	3.47	33.5	104	53.0	63	125	35
3726	Pullman, WA	13WA-160.1	2	39.3	98	67	80.4	2.3	1	12.4	4.85	41.4	122	89.2	61	221	64
3727	Pullman, WA	13WA-160.10	2	40.5	98	68	79.7	1.9	1	11.8	4.13	36.2	114	70.1	191	170	42
3728	Pullman, WA	13WA-164.10	2	43.2	97.3	68	79.8	2.5	1	12.8	4.83	40.8	114	87.8	97	220	64
3729	Pullman, WA	13WA-105.6	2	36.7	73.4	79	74.2	1.5	1	13.7	3.62	27.6	110	61.4	323	132	13
3730	Pullman, WA	13WA-105.7	2	41.4	93.3	72	76.9	1.7	1	14.0	3.98	30.4	118	61.7	215	158	22
3731	Pullman, WA	13WA-106.7	2	42.5	91.3	51	73.8	2.2	2	15.7	3.88	25.2	152	51.6	445	148	25
3732	Pullman, WA	13WA-112.11	2	33.9	88.6	69	79.4	2.2	1	13.6	5.16	40.3	165	95.8	49	258	47
3733	Pullman, WA	13WA-112.3	2	33.8	84.9	84	78.3	2.1	1	14.4	5.31	39.0	172	95.0	58	251	39
3734	Pullman, WA	13WA-112.4	2	33.0	87.6	81	79.0	2.1	1	13.5	5.16	38.4	168	101.3	29	263	42
3735		HARRINGTON MALT CHECK	2	40.0	96.7	75	82.2	2.3	1	11.3	4.61	43.2	121	87.5	71	217	67
3736	Pullman, WA	13WA-112.8	2	35.3	92.6	75	81.0	2.1	1	11.6	4.79	43.4	150	101.1	32	237	62
3737	Pullman, WA	13WA-117.24	2	33.0	60.9	80	75.2	1.7	2	12.1	3.42	29.8	87	53.5	248	144	18
3738	Pullman, WA	13WA-117.25	2	36.0	78.9	82	77.2	1.7	1	12.4	3.59	31.2	100	56.7	246	157	19
3739	Pullman, WA	13WA-117.27	2	35.0	72.3	78	76.3	1.7	1	12.1	3.59	30.4	90	56.0	252	150	19
3740	Pullman, WA	13WA-117.30	2	32.4	86.3	68	79.7	2.3	1	12.7	5.21	41.8	146	97.4	47	259	60
3741	Pullman, WA	13WA-118.6	2	35.8	92.2	63	79.5	1.8	1	12.0	3.99	35.3	105	74.5	77	175	42
3742	Pullman, WA	13WA-125.6	2	33.0	57.5	83	73.2	1.8	1	14.3	3.70	27.3	120	51.8	296	151	16

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3743	Pullman, WA	Harrington	2	37.3	95.6	73	80.4	2.2	1	12.4	4.97	43.0	143	99.9	174	247	55
3744	Pullman, WA	13WA-130.9	2	31.4	81.8	68	74.3	n.d.	3	11.7	3.37	29.9	67	49.3	985	121	14
3745	Pullman, WA	13WA-136.1	2	37.7	94.6	90	80.9	1.9	1	12.0	4.45	39.7	118	81.9	379	234	47
3746	Pullman, WA	13WA-103.6	2	38.2	91.4	56	76.7	2.2	1	15.7	4.36	29.2	105	64.0	911	196	28
3747	Pullman, WA	13WA-103.7	2	36.5	94	63	75.2	2.4	2	14.4	3.60	25.8	64	60.4	1196	167	13
3748	Pullman, WA	13WA-106.1	2	38.5	82.3	58	75.1	2.4	2	13.8	3.81	27.6	114	56.3	423	171	14
3749	Pullman, WA	13WA-135.5	2	37.7	88.2	78	77.6	2.0	1	12.5	3.76	30.6	98	53.9	232	168	22
3750	Pullman, WA	13WA-136.2	2	36.6	89.7	87	79.7	2.3	1	12.0	4.29	36.5	121	86.0	274	223	44
3751	Pullman, WA	13WA-144.11	2	36.6	88.8	73	75.7	2.7	2	13.2	3.25	25.0	69	47.5	1203	136	13
3752	Pullman, WA	13WA-149.8	2	39.1	95.6	77	80.5	2.7	1	12.1	4.89	43.1	125	90.1	80	260	64
3753	Pullman, WA	13WA-155.6	2	36.2	92	79	78.2	1.8	1	10.8	3.67	36.8	66	55.9	260	172	23
3754	Pullman, WA	13WA-106.10	2	39.1	90.6	55	74.2	2.1	1	15.0	3.90	27.3	116	63.4	316	184	23
3755	Pullman, WA	13WA-112.12	2	37.1	89.7	76	80.1	2.2	1	12.5	5.26	45.1	155	102.0	117	283	56
3756	Pullman, WA	13WA-117.5	2	32.2	51.1	78	73.8	1.8	1	13.6	3.54	27.5	118	59.2	320	173	13
3757	Pullman, WA	13WA-123.6	2	30.5	62	80	74.6	2.1	1	12.0	3.34	30.0	95	53.4	355	144	19
3758	Pullman, WA	13WA-124.2	2	32.9	88.5	72	75.9	3.1	2	13.7	4.03	30.2	80	62.9	1074	180	14
3759	Pullman, WA	13WA-126.6	2	38.9	90	74	73.4	1.9	1	14.3	3.50	25.0	120	52.8	260	148	23
3760	Chippewa County, WI	Quest – 0 N	6	30.7	85.4	42	81.0	3.6	1	10.5	5.09	50.8	108	87.5	220	282	41
3761	Chippewa County, WI	Quest – 30 lbs N	6	31.9	91.1	33	80.9	3.3	1	11.0	5.00	47.9	102	80.0	320	256	41
3762	Chippewa County, WI	Quest – 60 lbs N	6	33.1	90	34	79.9	3.0	1	13.7	5.39	41.8	169	88.6	39	281	60
3763	Chippewa County, WI	Rasmussen	6	40.1	96.3	73	82.5	2.4	1	11.6	4.50	41.6	108	85.3	154	226	47
3764	Chippewa County, WI	Lacy – 0N	6	32.8	93.8	35	81.3	3.3	1	11.0	4.73	46.1	107	75.4	142	246	47
3765	Chippewa County, WI	Lacy – 30N	6	32.3	92.6	32	81.5	3.2	1	10.7	4.82	48.6	110	71.2	170	249	42
3766		LACEY MALT CHECK	6	33.1	90	43	79.4	3.1	1	13.1	5.44	44.1	160	81.8	33	284	70
3767	Chippewa County, WI	Lacy – 60N	6	31.9	89.7	41	80.9	2.9	1	10.6	4.91	49.3	122	81.8	268	271	45
3768	Chippewa County, WI	Tradition	6	34.0	94.9	29	81.6	2.9	1	10.3	4.66	48.1	141	73.1	226	234	46
3769	Chippewa County, WI	Innovation	6	32.4	86.5	25	80.3	3.4	1	12.3	5.01	43.5	123	80.2	276	286	56
3770	Chippewa County, WI	Pinnacle – 0N	2	40.0	95.9	26	81.6	3.1	1	10.2	4.64	49.6	127	80.1	245	230	50
3771	Chippewa County, WI	Pinnacle – 30N	2	37.5	91.9	25	82.2	2.7	1	9.6	4.14	47.9	83	67.5	470	193	37
3772	Chippewa County, WI	Pinnacle – 60N	2	31.4	92.9	45	81.1	2.8	1	11.0	4.61	43.9	158	85.8	323	246	53
3773	Chippewa County, WI	Craft – 0N	2	39.0	96.6	26	82.5	2.7	1	10.3	4.54	46.6	97	86.5	215	218	48
3774	Chippewa County, WI	Craft - 30N	2	32.7	91	26	80.5	3.4	1	11.1	4.91	45.8	125	75.5	152	242	55
3775	Chippewa County, WI	Craft – 60 N	2	38.4	95.1	28	81.3	3.0	1	10.8	4.88	46.8	135	82.7	272	247	55
3776	Chippewa County, WI	MT 090180	2	37.7	94.5	26	80.8	3.1	1	10.4	4.46	45.0	124	79.3	327	222	50
3777	Chippewa County, WI	MT Og0190	2	37.2	96.8	27	82.0	3.0	1	9.6	4.48	48.0	117	85.0	242	228	45
3778	Chippewa County, WI	MT 100120	2	37.2	94.6	29	80.7	3.9	1	10.7	4.94	49.6	126	81.2	307	248	45
3779	Chippewa County, WI	MT 100126	2	37.6	95.5	26	81.6	3.2	1	9.9	4.55	51.1	127	88.7	229	229	48
3780	Chippewa County, WI	MT 100120 90N	2	37.7	89.7	24	78.9	3.6	1	12.4	5.15	43.6	155	97.7	345	287	50
3781	Chippewa County, WI	Craft – no fung	2	33.0	89.6	40	79.5	2.7	1	13.6	5.14	39.9	176	87.3	35	287	45
3782	Chippewa County, WI	Quest no fung	6	32.9	88	39	79.2	2.7	1	13.7	5.12	38.6	185	90.6	29	308	56
3783	Chippewa County, WI	Pinnacle No fung	2	40.2	96	72	82.2	2.3	1	11.9	4.45	39.1	117	85.5	109	254	57
3784	Chippewa County, WI	MT 090180 no fung	2	39.6	96.2	73	82.4	2.3	1	11.2	4.50	41.1	112	85.0	97	244	64
3785	Chippewa County, WI	MT 100120 no fung	2	40.1	96.3	74	82.3	2.3	1	11.4	4.52	42.2	114	88.6	99	247	66

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3786	Chippewa County, WI	Pinnacle – 0N	2	31.8	74	28	79.9	4.0	1	9.4	4.37	49.8	72	75.7	270	243	29
3787	Chippewa County, WI	Quest – 0 N	6	30.3	85.7	42	80.6	3.5	1	10.1	4.93	53.1	88	84.9	184	282	41
3788	Chippewa County, WI	Lacy – 60N	6	33.9	88.9	40	78.8	3.0	1	13.6	5.18	40.1	170	88.0	23	309	53
3789	Chippewa County, WI	Pinnacle – 30N	2	33.5	88.9	39	79.1	3.1	1	12.8	5.12	43.2	161	86.1	23	308	57
3790	Chippewa County, WI	Quest – 60 lbs N	6	31.1	86.9	27	80.0	3.5	1	11.3	5.88	56.4	111	86.4	265	313	41
3791	Chippewa County, WI	Innovation	6	40.9	96.2	76	82.1	2.1	1	11.3	5.00	47.1	119	89.3	100	254	49
3792	Chippewa County, WI	Quest – 30 lbs N	6	33.2	93.1	40	80.9	3.0	1	11.5	5.84	54.2	127	83.4	129	280	49
3793	Chippewa County, WI	Pinnacle – 60N	2	35.6	84.8	24	80.9	2.9	1	9.6	4.66	50.1	77	68.4	295	224	33
3794	Chippewa County, WI	Rasmussen	6	32.8	95.9	42	81.8	3.5	1	10.5	5.52	56.1	98	78.6	118	276	53
3795	Chippewa County, WI	MT 100126	2	38.4	92.8	24	82.6	3.3	1	8.9	4.76	55.8	66	72.3	192	235	43
3796	Chippewa County, WI	MT 100120	2	38.7	95.7	34	79.7	3.3	1	11.6	5.64	50.5	119	81.4	297	275	45
3797		HARRINGTON MALT CHECK	2	40.3	96.5	75	82.2	2.3	1	11.0	4.99	47.4	105	86.1	71	253	61
3798	Chippewa County, WI	Tradition	6	35.9	91	27	82.2	3.2	1	9.5	4.84	53.4	68	73.4	284	229	42
3799	Chippewa County, WI	Craft – 0N	2	39.0	95.7	35	83.4	3.2	1	9.5	5.07	57.9	76	90.6	142	252	46
3800	Chippewa County, WI	Lacy – 30N	6	39.4	94.9	34	82.4	2.8	1	9.9	5.01	53.3	88	87.4	187	237	42
3801	Chippewa County, WI	MT 0g0190	2	37.2	89.6	29	81.1	2.8	1	11.1	5.03	46.8	101	91.6	267	231	53
3802	Chippewa County, WI	Craft - 30N	2	38.4	91.6	28	81.1	2.6	1	11.0	5.01	46.9	96	86.0	253	211	48
3803	Chippewa County, WI	Craft – 60 N	2	36.1	88.6	24	80.4	3.1	1	12.2	5.44	48.2	107	95.1	322	267	45
3804	Chippewa County, WI	MT 090180	2	40.9	97.3	25	80.2	3.3	1	11.5	5.59	50.4	142	87.9	298	240	54
3805	Chippewa County, WI	Lacy – 0N	6	31.2	91.2	35	80.5	3.2	1	10.6	5.67	54.3	119	84.1	87	264	52
3806	Chippewa County, WI	MT 100120 60N	2	36.6	89.8	26	79.4	2.8	1	12.0	5.56	46.5	148	96.8	242	293	53
3807	Chippewa County, WI	Craft no fung	2	32.9	88.1	42	79.1	2.7	1	13.4	6.16	48.6	178	89.2	30	292	40
3808	Chippewa County, WI	Quest no fung	6	33.5	88.7	42	79.0	2.4	1	13.6	5.80	45.4	183	89.5	24	292	61
3809	Chippewa County, WI	Pinnacle no fung	2	33.6	90.3	37	78.8	2.5	1	13.0	5.95	47.4	182	91.2	24	286	45
3810	Chippewa County, WI	MT 090180 no fung	2	41.1	96.5	73	81.7	2.2	1	11.7	4.80	42.4	112	84.4	70	243	66
3811	Chippewa County, WI	MT 100120 no fung	2	40.4	96.6	79	82.1	2.2	1	11.2	4.92	46.8	107	83.3	81	257	66
3812	Chippewa County, WI	Quest – 60N	6	31.4	85.8	43	80.0	3.7	1	11.9	6.06	53.3	111	81.5	280	321	43
3813	Chippewa County, WI	MT 100120	2	37.2	97	40	80.6	3.0	1	10.7	5.07	49.8	124	78.8	172	261	45
3814	Chippewa County, WI	Pinnacle – 0N	2	33.0	87.4	43	79.3	2.9	1	13.2	5.57	45.1	170	84.6	28	280	52
3815	Chippewa County, WI	Innovation	6	39.5	96.3	75	82.2	2.2	1	11.1	4.96	46.8	127	90.5	72	245	58
3816	Chippewa County, WI	Lacy – 0N	6	33.1	93.6	41	80.6	3.2	1	11.2	5.54	50.7	147	80.6	95	269	60
3817	Chippewa County, WI	Pinnacle – 60N	2	36.7	89.4	25	81.1	3.2	1	9.3	4.92	52.7	103	70.9	211	230	43
3818	Chippewa County, WI	Quest 0N	6	31.2	88	44	81.3	3.0	1	10.7	5.39	54.0	122	86.6	181	276	49
3819	Chippewa County, WI	Lacy 30N	6	32.7	92.3	40	80.7	2.8	1	12.0	5.11	43.4	142	82.4	296	265	59
3820	Chippewa County, WI	Tradition	6	32.1	93	38	80.9	2.8	1	11.7	5.21	46.4	156	83.8	263	257	63
3821	Chippewa County, WI	MT 100126	2	36.5	93	30	80.6	3.0	1	10.7	5.12	50.3	148	86.7	128	231	48
3822	Chippewa County, WI	Craft 30N	2	35.3	88.2	35	81.5	2.7	1	11.1	4.80	44.9	100	79.7	295	224	53
3823	Chippewa County, WI	Craft 0N	2	36.5	85.1	30	81.5	3.0	1	11.8	5.48	50.0	100	91.1	285	254	44
3824	Chippewa County, WI	Pinnacle – 30N	2	36.3	88.4	21	81.0	3.3	1	10.6	5.26	50.5	91	74.7	255	247	36
3825	Chippewa County, WI	Lacy 60N	6	33.1	91.2	29	80.3	3.6	1	13.0	6.19	48.6	129	78.8	205	299	48
3826	Chippewa County, WI	Quest 30 N	6	30.7	88.5	39	80.4	3.1	1	11.3	6.54	58.7	118	81.4	314	288	38
3827	Chippewa County, WI	MT 0g0190	2	37.3	94.9	32	81.0	2.8	1	10.7	5.53	55.2	143	90.4	228	268	45
3828		LACEY MALT CHECK	6	33.6	88.2	43	78.7	2.6	1	13.6	6.27	49.2	174	80.2	21	287	50

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3829	Chippewa County, WI	Rasmussen	6	31.0	88	35	81.2	3.8	1	10.1	5.74	60.1	103	77.5	129	274	44
3830	Chippewa County, WI	MT 090180	2	36.8	94.6	29	80.7	3.2	1	10.5	5.72	56.0	124	78.3	272	249	41
3831	Chippewa County, WI	Craft – 60N	2	37.4	92.9	35	82.1	2.7	1	10.6	5.17	53.7	95	82.0	206	205	41
3832	Chippewa County, WI	MT 100120 30N	2	35.5	89.9	29	79.2	2.8	1	12.0	5.50	48.1	145	86.4	400	252	45
3833	Chippewa County, WI	Craft no fung	2	35.1	89.1	31	81.6	4.1	1	10.6	5.99	61.2	85	93.6	187	257	35
3834	Chippewa County, WI	Quest no fung	6	30.3	85	34	80.6	5.7	1	10.6	6.46	63.0	99	90.3	128	305	41
3835	Chippewa County, WI	Pinnacle no fung	2	32.3	73.6	17	80.0	5.4	1	9.9	6.20	66.0	75	87.8	172	255	26
3836	Chippewa County, WI	MT 090180 no fung	2	32.3	86.3	23	79.1	4.9	1	11.2	6.57	60.4	122	97.1	226	269	38
3837	Chippewa County, WI	MT 100120 no fung	2	32.6	85.7	18	78.5	5.4	1	11.3	6.85	62.5	145	103.6	188	313	38
3838	Minot, ND	ROBUST	6	35.7	98.1	27	78.5	2.0	1	13.7	5.40	39.9	186	61.9	392	234	50
3839	Minot, ND	LACEY	6	36.8	98.1	27	78.3	2.4	1	13.4	5.83	44.3	203	78.3	142	248	59
3840	Minot, ND	TRADITION	6	36.5	98.7	34	79.0	2.5	1	13.4	5.57	43.5	227	78.4	200	238	63
3841	Minot, ND	STELLAR-ND	6	35.9	98	34	78.8	4.0	1	14.0	6.73	49.3	212	79.5	176	289	38
3842	Minot, ND	QUEST	6	33.9	95.4	25	78.1	2.3	1	13.7	5.82	43.1	189	79.6	428	253	48
3843	Minot, ND	ND31040	6	37.3	98.4	35	79.1	3.2	1	12.7	5.99	47.4	167	78.3	41	256	61
3844	Minot, ND	ND31091	6	36.6	98.6	28	79.2	2.8	1	12.9	5.46	45.0	130	78.8	205	242	60
3845	Minot, ND	ND31245	6	36.1	98.3	25	77.6	3.2	1	13.5	6.01	47.0	159	76.1	180	252	41
3846	Minot, ND	ND31317	6	36.5	98.1	30	80.0	3.5	1	12.6	6.25	50.7	209	76.0	92	266	58
3847	Minot, ND	ND31321	6	36.3	97.4	28	78.6	2.8	1	13.2	5.69	44.4	184	68.4	129	239	63
3848	Minot, ND	ND31382	6	34.6	98.4	29	80.8	3.7	1	12.8	6.84	55.3	168	93.8	118	341	58
3849	Minot, ND	ND31384	6	36.9	98.6	32	79.6	3.4	1	12.8	5.47	46.5	116	78.0	143	239	59
3850	Minot, ND	ND31419	6	33.4	97.1	28	79.4	2.8	1	12.4	5.55	45.5	126	76.8	329	230	60
3851	Minot, ND	ND31688	6	34.8	98.5	23	79.3	2.8	1	12.8	5.43	42.9	167	83.7	211	234	63
3852	Minot, ND	ND31721	6	36.0	98.5	27	79.1	3.0	1	12.6	5.68	47.3	170	81.9	165	248	61
3853	Osnabrock, ND	ROBUST	6	36.6	98.9	26	78.2	2.2	1	13.5	5.89	44.0	207	58.7	230	252	51
3854	Osnabrock, ND	LACEY	6	37.3	98.7	32	78.5	3.2	1	13.6	6.05	45.3	208	69.4	34	247	55
3855	Osnabrock, ND	TRADITION	6	36.2	98.7	34	79.2	2.6	2	12.5	5.12	40.9	231	75.9	46	224	60
3856	Osnabrock, ND	STELLAR-ND	6	37.6	99.3	33	79.9	4.2	1	13.0	6.94	53.7	237	75.7	33	293	58
3857	Osnabrock, ND	QUEST	6	34.7	96.6	28	78.8	2.3	1	12.7	5.70	46.1	203	76.5	177	240	60
3858	Osnabrock, ND	ND31040	6	37.9	99	34	78.8	2.5	1	12.7	5.99	47.2	155	76.8	55	260	58
3859		LACEY MALT CHECK	6	33.8	88.6	41	79.4	2.9	1	13.3	5.73	46.2	175	84.7	33	271	66
3860	Osnabrock, ND	ND31091	6	35.2	98.9	23	79.4	2.8	1	12.2	5.90	49.3	170	68.4	36	232	61
3861	Osnabrock, ND	ND31245	6	36.9	98.8	31	78.8	3.6	1	13.1	6.32	49.8	164	74.4	43	252	55
3862	Osnabrock, ND	ND31317	6	35.4	98.3	27	79.7	2.7	1	13.5	6.10	47.4	205	66.5	36	254	53
3863	Osnabrock, ND	ND31321	6	35.3	98.1	31	79.6	2.1	1	12.9	5.35	42.1	199	65.5	62	231	70
3864	Osnabrock, ND	ND31382	6	34.6	98.4	27	81.2	2.4	1	12.7	5.56	47.1	179	87.2	91	271	65
3865	Osnabrock, ND	ND31384	6	37.7	99	34	80.7	2.2	1	12.1	5.03	42.2	133	73.5	51	236	63
3866	Osnabrock, ND	ND31419	6	33.4	98.3	27	79.9	2.2	1	13.8	5.47	41.5	151	72.8	247	263	53
3867	Osnabrock, ND	ND31688	6	34.7	98.7	24	79.2	2.4	1	12.3	5.10	44.3	181	77.4	163	246	62
3868	Osnabrock, ND	ND31721	6	37.2	98.7	28	78.9	2.3	1	13.5	5.27	40.4	193	77.5	75	254	57
3869	Ray, ND	ROBUST	6	36.9	96.1	36	79.7	2.0	1	13.7	6.34	47.9	227	63.2	278	273	46
3870	Ray, ND	LACEY	6	37.8	97.8	39	79.9	2.2	1	13.5	6.75	52.1	236	76.2	87	255	53
3871	Ray, ND	TRADITION	6	36.3	96.3	45	79.8	2.2	1	13.0	5.66	44.9	228	69.9	259	230	63

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3872	Ray, ND	STELLAR-ND	6	37.8	97.2	44	80.3	2.4	1	13.1	6.71	54.0	225	78.9	87	258	58
3873	Ray, ND	CELEBRATION	6	35.0	96.9	41	80.3	2.2	1	13.5	6.02	47.2	224	85.4	159	284	49
3874	Ray, ND	QUEST	6	34.7	95	35	79.7	2.0	1	12.8	5.56	43.9	210	75.0	324	260	63
3875	Ray, ND	INNOVATION	6	36.8	96.7	41	80.5	2.0	1	12.7	6.29	51.6	225	78.0	205	259	51
3876	Ray, ND	ND22421	6	37.3	97.5	35	79.9	2.3	1	12.8	6.46	54.3	196	79.9	74	261	58
3877	Ray, ND	ND26891	6	37.1	97.4	39	80.0	2.2	1	12.0	5.83	48.9	193	70.0	131	272	57
3878	Ray, ND	ND28554	6	39.7	98.7	44	80.0	2.3	1	13.1	6.43	51.5	188	69.8	246	262	51
3879	Ray, ND	ND28555	6	40.2	98.9	38	79.9	2.2	1	13.1	6.65	52.0	201	73.9	170	261	54
3880	Ray, ND	ND29196	6	34.1	96.8	44	79.3	2.2	1	13.0	6.10	49.5	212	84.0	270	263	51
3881	Ray, ND	ND29380	6	34.8	96.3	38	80.5	2.3	1	11.8	5.55	47.2	159	76.1	243	256	58
3882	Ray, ND	ND30159	6	38.5	98.9	36	81.5	2.3	1	11.3	5.72	53.8	171	80.4	193	258	49
3883	Ray, ND	ND30304	6	35.0	97.2	34	79.7	2.8	1	12.6	6.21	50.8	187	82.5	221	274	51
3884	Ray, ND	ND30320	6	37.3	97.7	42	79.9	2.5	1	12.7	5.93	49.9	206	79.9	206	272	54
3885	Ray, ND	ND30377	6	35.8	97.2	35	79.8	2.5	1	13.0	6.68	55.0	197	75.1	259	264	51
3886	Ray, ND	M152	6	36.5	96.7	38	79.8	2.5	1	13.1	6.25	50.4	222	65.2	141	283	54
3887	Ray, ND	CONLON	2	46.1	99.2	30	80.6	2.0	1	12.6	5.45	44.4	190	86.1	262	221	60
3888	Ray, ND	PINNACLE	2	42.9	96.3	31	81.4	2.2	1	11.1	4.92	46.5	139	66.3	244	200	63
3889	Ray, ND	AC METCALFE	2	38.7	94.2	31	81.5	2.4	1	12.0	6.57	55.0	171	90.5	33	263	55
3890		HARRINGTON MALT CHECK	2	40.8	96.5	71	81.7	2.1	1	11.7	5.20	48.7	126	87.4	147	223	60
3891	Ray, ND	CDC COPELAND	2	41.0	94.4	38	81.5	2.2	1	11.5	5.44	49.9	143	77.8	88	239	64
3892	Ray, ND	CDC MEREDITH	2	40.1	94.2	31	81.8	2.7	1	11.9	6.08	54.5	150	82.9	122	250	53
3893	Ray, ND	CONRAD	2	37.2	93.5	30	80.2	2.4	1	13.2	6.47	52.6	191	95.9	92	267	45
3894	Ray, ND	HOCKETT	2	42.2	94.6	32	81.6	2.2	1	12.0	6.18	54.4	156	92.6	247	248	51
3895	Ray, ND	2ND25276	2	42.0	97.4	29	82.4	2.4	1	11.2	5.38	50.7	136	90.8	87	228	65
3896	Ray, ND	2ND27705	2	40.2	95.5	34	81.5	2.5	1	11.5	6.07	56.6	152	95.3	165	240	50
3897	Ray, ND	2ND28065	2	38.2	91.8	26	81.5	1.9	1	11.8	5.64	49.0	134	70.2	190	231	51
3898	Ray, ND	2ND30639	2	43.6	99	27	79.6	2.1	1	13.8	5.88	45.1	188	75.5	119	285	49
3899	Ray, ND	2ND30672	2	45.2	98.5	34	80.5	2.8	1	12.0	5.01	45.4	149	101.7	109	273	63
3900	Ray, ND	2ND30724	2	41.3	96.6	31	80.1	2.2	1	12.4	4.71	39.9	166	68.4	64	210	61
3901	Ray, ND	2ND30749	2	45.9	98.1	22	81.0	2.4	1	11.7	5.18	46.7	134	89.8	98	286	67
3902	Ray, ND	2ND30837	2	42.4	96.4	26	81.6	2.7	1	12.1	5.29	47.4	162	85.8	50	277	65
3903	Ray, ND	2ND30879	2	41.6	96	35	80.9	2.3	1	11.8	4.81	42.6	119	87.3	194	266	56
3904	Ray, ND	2B05-0811	2	39.9	95.8	31	82.5	3.0	1	11.3	5.43	49.3	140	98.5	57	281	62
3905	Pullman, WA	10WA-116.8	2	33.6	87.9	17	79.0	2.6	2	15.6	5.10	34.3	171	64.7	104	196	37
3906	Pullman, WA	11WA-107.20	2	39.8	94.2	16	77.7	1.8	1	13.2	4.74	37.3	148	61.9	198	207	40
3907	Pullman, WA	10WA-117.24	2	36.7	93.9	23	75.0	1.8	1	14.0	4.02	30.0	139	47.8	669	166	21
3908	Pullman, WA	11WA-107.46	2	43.1	98.1	19	79.1	1.8	1	11.3	4.07	38.5	109	56.1	79	174	47
3909	Pullman, WA	11WA-111.11	2	40.8	96.6	10	79.0	1.7	1	11.1	4.13	38.7	111	56.8	64	181	49
3910	Pullman, WA	11WA-107.43	2	41.9	98.7	17	80.1	1.8	1	12.8	4.66	38.9	140	67.2	91	219	61
3911	Pullman, WA	11WA-107.19	2	41.9	98.7	13	77.0	1.6	1	12.5	4.26	35.2	139	61.1	145	196	46
3912	Pullman, WA	AC Metcalfe	2	40.5	97	20	80.7	2.6	1	12.5	5.72	47.6	183	102.6	20	295	57
3913	Pullman, WA	10WA-113.11	2	44.3	98.8	11	79.0	n.d.	3	10.9	3.65	36.1	82	46.0	121	146	26
3914	Pullman, WA	11WA-107.24	2	41.2	92.9	19	79.5	1.8	1	12.4	4.44	36.7	137	61.6	98	179	56

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3915	Pullman, WA	10WA-111.24	2	40.2	96	16	77.0	2.3	1	14.2	5.27	38.8	184	76.4	126	197	40
3916	Pullman, WA	CDC Copeland	2	33.9	80.6	21	77.7	2.5	1	14.9	6.29	43.0	201	80.3	34	240	33
3917	Pullman, WA	10WA-113.10	2	43.4	98.8	8	77.3	n.d.	3	13.6	4.14	31.6	100	47.3	94	138	28
3918	Pullman, WA	11WA-107.16	2	41.4	95.1	17	78.2	1.7	1	13.7	4.46	34.3	147	63.4	115	195	44
3919	Pullman, WA	Champion	2	42.9	95.7	14	78.6	1.7	1	12.2	4.49	39.0	131	64.1	86	161	54
3920	Pullman, WA	11WA-111.8	2	40.2	93.6	12	77.3	2.1	1	12.0	4.17	36.1	109	59.0	52	170	42
3921		HARRINGTON MALT CHECK	2	39.8	96.7	74	81.3	2.3	1	11.6	4.63	43.6	112	89.4	54	249	64
3922	Pullman, WA	11WA-107.56	2	43.8	97.8	15	79.1	2.1	1	10.9	4.18	39.5	128	62.8	93	164	45
3923	Pullman, WA	11WA-107.58	2	43.4	98.9	20	78.9	2.0	1	12.6	4.65	39.8	138	70.5	95	193	59
3924	Pullman, WA	11WA-111.2	2	40.3	94.4	9	78.9	2.3	2	11.2	3.89	37.0	117	59.9	44	141	42
3925	Pullman, WA	10WA-131.15	2	37.2	92.7	12	78.0	1.8	1	11.9	3.99	35.9	133	62.4	52	150	38
3926	Pullman, WA	10WA-111.23	2	42.3	97.6	19	78.4	2.2	1	13.1	4.90	39.1	163	70.9	121	196	50
3927	Pullman, WA	11WA-111.4	2	37.9	91.6	8	78.6	n.d.	3	11.6	3.96	36.6	84	51.0	136	142	29
3928	Pullman, WA	11WA-107.35	2	37.6	86.1	10	74.8	2.3	1	13.8	4.34	31.6	148	59.0	89	156	29
3929	Pullman, WA	11WA-111.12	2	37.5	85.9	12	76.0	2.7	2	13.1	4.02	31.7	85	50.5	163	148	19
3930	Pullman, WA	11WA-107.36	2	41.5	97.6	10	77.4	1.8	1	12.7	4.55	39.0	163	71.4	30	167	49
3931	Pullman, WA	10WA-131.16	2	39.5	86.3	16	78.3	5.1	1	14.3	8.00	57.2	149	75.3	43	309	37
3932	Pullman, WA	11WA-111.9	2	37.7	92.3	11	77.8	2.2	1	11.2	4.09	36.7	132	57.8	44	152	41
3933	Pullman, WA	10WA-116.14	2	35.5	91.7	24	75.4	2.6	2	12.4	4.74	38.7	115	48.2	37	164	38
3934	Pullman, WA	11WA-107.4	2	41.7	96.5	18	78.9	2.0	2	12.6	4.83	40.0	150	59.9	151	171	50
3935	Minot, ND	ROBUST	6	34.7	96.7	19	78.3	2.2	1	14.7	6.14	43.8	229	67.8	280	272	43
3936	Minot, ND	LACEY	6	34.0	95.6	23	77.7	2.6	1	15.0	6.38	44.7	228	75.9	180	253	36
3937	Minot, ND	TRADITION	6	36.2	97.9	25	78.1	2.8	1	14.7	5.91	41.0	235	76.6	259	246	38
3938	Minot, ND	STELLAR-ND	6	36.3	98.3	26	79.5	3.9	1	14.0	6.93	52.1	205	76.6	86	305	48
3939	Minot, ND	CELEBRATION	6	34.3	97.9	25	79.5	3.0	1	14.9	7.06	48.6	244	96.3	120	323	48
3940	Minot, ND	QUEST	6	34.4	96.5	22	78.6	2.4	1	14.1	6.03	44.9	201	84.9	291	259	43
3941	Minot, ND	INNOVATION	6	37.0	99.3	23	79.5	4.2	1	14.8	7.90	54.2	184	82.4	207	312	41
3942	Minot, ND	ND22421	6	37.4	98.8	25	78.1	4.8	1	13.7	6.84	51.4	154	76.9	167	299	43
3943	Minot, ND	ND26891	6	36.7	98.5	22	79.7	3.0	1	13.4	5.94	46.2	137	75.8	166	268	59
3944	Minot, ND	ND28554	6	38.7	98.5	23	78.9	2.9	1	14.6	6.32	45.0	170	75.2	174	255	43
3945	Minot, ND	ND28555	6	38.5	98.4	27	78.8	3.0	1	13.9	6.27	46.4	172	75.3	171	255	48
3946	Minot, ND	ND29196	6	33.8	98.5	31	79.6	4.3	1	13.6	7.25	53.8	190	92.0	123	327	49
3947	Minot, ND	ND29380	6	35.5	98.3	24	80.4	3.2	1	11.7	5.54	50.3	120	83.2	316	294	51
3948	Minot, ND	ND30159	6	37.8	98.9	22	81.3	2.9	1	11.7	4.87	43.9	125	83.5	341	269	56
3949	Minot, ND	ND30304	6	35.2	97.7	17	79.9	3.3	1	12.8	5.97	48.4	145	76.1	486	303	54
3950	Minot, ND	ND30320	6	35.6	97.4	23	79.3	2.7	1	13.5	5.62	44.6	186	82.7	297	300	58
3951	Minot, ND	ND30377	6	34.5	97.7	23	79.0	2.6	1	14.0	5.42	39.9	177	75.8	390	271	48
3952		LACEY MALT CHECK	6	33.1	89.2	42	79.6	2.8	1	13.3	5.83	45.6	171	78.9	37	289	66
3953	Minot, ND	M152	6	35.7	96.9	28	78.6	3.0	1	13.8	5.67	42.8	195	68.0	221	295	55
3954	Minot, ND	CONLON	2	46.0	98.5	24	81.1	2.9	1	13.1	5.07	39.1	144	79.3	309	241	53
3955	Minot, ND	PINNACLE	2	44.4	96.7	23	81.5	2.5	1	11.2	4.27	38.9	92	67.3	320	210	47
3956	Minot, ND	AC METCALFE	2	38.0	97.4	29	80.6	13.7	1	13.7	9.61	68.8	96	69.6	23	420	35
3957	Minot, ND	CDC COPELAND	2	41.3	97.5	25	81.3	6.3	1	12.3	7.52	61.4	115	77.0	31	331	54

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
3958	Minot, ND	CDC MEREDITH	2	39.4	96	23	81.7	11.1	1	13.3	9.68	72.1	95	65.3	44	411	43
3959	Minot, ND	CONRAD	2	39.2	99.2	21	81.5	8.8	1	13.3	10.55	78.6	115	74.9	34	469	47
3960	Minot, ND	HOCKETT	2	42.9	96.4	29	81.9	4.8	1	13.2	7.88	59.9	149	83.9	214	339	46
3961	Minot, ND	2ND25276	2	42.7	97.8	21	82.6	4.7	1	11.5	5.22	48.0	112	88.4	218	277	55
3962	Minot, ND	2ND27705	2	39.6	97.9	26	81.7	5.8	1	12.4	6.24	51.1	150	88.2	65	327	55
3963	Minot, ND	2ND28065	2	38.9	95.5	24	81.4	2.5	1	13.0	5.22	42.1	130	72.1	106	235	63
3964	Minot, ND	2ND30639	2	43.5	98.5	20	80.6	2.7	1	13.7	5.70	42.8	142	79.4	191	301	46
3965	Minot, ND	2ND30672	2	45.4	98.5	22	79.8	11.6	1	11.8	8.29	67.8	90	61.7	111	423	44
3966	Minot, ND	2ND30724	2	44.5	97.8	20	80.3	3.2	2	12.8	5.02	41.7	141	70.2	84	266	66
3967	Minot, ND	2ND30749	2	45.8	96.5	17	81.2	4.6	1	12.0	5.27	45.8	123	80.2	317	282	63
3968	Minot, ND	2ND30837	2	45.1	97.5	13	81.7	5.6	1	12.7	6.30	52.0	131	84.9	113	313	54
3969	Minot, ND	2ND30879	2	41.4	96.8	26	81.5	5.3	1	12.3	6.23	52.5	83	78.2	381	314	43
3970	Minot, ND	2B05-0811	2	42.7	98.9	24	82.3	9.7	1	13.1	7.97	61.3	99	66.9	101	429	42
3971	Osnabrock, ND	ROBUST	6	35.3	98.1	26	78.5	1.9	1	13.3	5.96	46.4	224	61.8	165	285	59
3972	Osnabrock, ND	LACEY	6	37.2	98.6	23	78.8	2.2	1	13.7	5.91	44.2	222	69.6	61	269	58
3973	Osnabrock, ND	TRADITION	6	36.2	98.9	29	79.4	1.8	1	12.6	5.24	43.0	231	74.2	79	243	70
3974	Osnabrock, ND	STELLAR-ND	6	36.9	98.7	31	79.3	3.6	1	13.0	6.51	50.8	212	69.6	30	316	58
3975	Osnabrock, ND	CELEBRATION	6	35.1	99.1	29	79.9	2.2	1	13.7	6.25	47.0	223	81.5	133	304	54
3976	Osnabrock, ND	QUEST	6	33.9	96.7	24	79.5	1.9	1	13.4	5.92	46.3	190	76.5	243	279	59
3977	Osnabrock, ND	INNOVATION	6	36.9	98.7	32	78.0	2.9	1	12.7	5.96	49.0	182	72.0	62	313	55
3978	Osnabrock, ND	ND22421	6	38.5	99.5	25	81.6	3.0	1	13.5	6.65	50.3	163	72.7	47	273	58
3979	Osnabrock, ND	ND26891	6	36.6	98.5	21	79.8	2.5	1	12.4	6.31	54.0	144	70.3	123	276	54
3980	Osnabrock, ND	ND28554	6	38.0	99.2	29	79.8	2.3	1	12.5	5.90	49.9	159	66.9	66	261	61
3981	Osnabrock, ND	ND28555	6	38.5	99.3	30	80.0	2.5	1	12.2	5.90	52.2	163	68.4	50	261	61
3982	Osnabrock, ND	ND29196	6	35.4	99.1	26	79.2	2.7	1	12.9	6.33	53.0	168	78.8	121	280	54
3983		LACEY MALT CHECK	6	32.8	88.3	43	79.9	2.6	1	13.1	6.13	48.4	174	80.5	41	312	58
3984	Osnabrock, ND	ND29380	6	36.8	99.1	27	80.4	2.6	1	12.0	5.81	50.5	126	67.8	239	267	51
3985	Osnabrock, ND	ND30159	6	39.0	99.3	21	81.7	2.3	1	11.7	5.63	49.7	144	77.1	207	264	58
3986	Osnabrock, ND	ND30304	6	33.5	98.2	29	79.8	2.4	1	12.3	5.90	50.2	160	71.2	329	281	54
3987	Osnabrock, ND	ND30320	6	34.8	98.3	29	79.9	2.1	1	12.8	5.94	49.3	190	77.3	195	270	54
3988	Osnabrock, ND	ND30377	6	34.7	97.9	29	79.3	2.0	1	12.7	5.78	47.7	167	70.6	255	268	54
3989	Osnabrock, ND	M152	6	36.8	98.9	30	80.0	2.7	1	12.8	5.99	48.5	183	60.6	78	282	61
3990	Osnabrock, ND	CONLON	2	44.3	98.9	25	80.9	2.2	1	12.3	5.02	42.7	136	77.6	335	226	60
3991	Osnabrock, ND	PINNACLE	2	44.5	99	20	81.6	1.9	1	10.8	4.64	44.9	99	64.0	272	210	51
3992	Osnabrock, ND	AC METCALFE	2	38.9	96.7	21	81.1	9.7	1	12.9	6.77	52.6	120	64.8	47	407	52
3993	Osnabrock, ND	CDC COPELAND	2	42.5	97.3	22	81.6	6.8	2	12.0	6.05	52.6	105	61.6	45	334	54
3994	Osnabrock, ND	CDC MEREDITH	2	42.0	97.5	23	82.5	9.7	2	11.0	6.47	59.3	101	58.6	49	382	48
3995	Osnabrock, ND	CONRAD	2	40.3	97.3	21	80.5	8.0	1	12.8	6.60	51.9	135	59.5	85	400	54
3996	Osnabrock, ND	HOCKETT	2	44.0	98	25	82.2	4.3	1	11.9	5.54	48.7	137	77.3	227	297	58
3997	Osnabrock, ND	2ND25276	2	41.8	98.9	21	82.1	4.3	1	11.3	5.65	52.2	117	83.2	80	309	57
3998	Osnabrock, ND	2ND27705	2	41.6	98.8	29	82.2	5.0	1	10.6	5.39	54.3	110	73.5	64	324	56
3999	Osnabrock, ND	2ND28065	2	36.8	91.4	26	81.3	2.6	1	11.8	4.93	42.3	127	68.1	160	256	58
4000	Osnabrock, ND	2ND30639	2	43.2	98.4	20	79.0	2.5	1	13.5	5.52	43.2	165	82.3	107	298	55

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4001	Osnabrock, ND	2ND30672	2	45.8	99.2	26	81.3	13.8	2	11.7	6.76	58.0	81	46.7	300	429	40
4002	Osnabrock, ND	2ND30724	2	42.7	97.4	26	80.6	2.9	1	11.9	4.59	39.9	151	63.9	118	257	58
4003	Osnabrock, ND	2ND30749	2	43.8	97.9	20	81.5	4.9	1	11.5	5.66	51.1	115	73.0	178	321	51
4004	Osnabrock, ND	2ND30837	2	44.2	97.8	17	81.7	4.9	2	12.9	5.78	45.6	134	68.7	118	330	61
4005	Osnabrock, ND	2ND30879	2	42.4	98.4	27	81.6	5.6	1	11.9	5.52	49.2	77	63.4	142	292	54
4006	Osnabrock, ND	2B05-0811	2	43.2	98.6	26	81.0	22.4	1	12.5	6.99	56.9	48	43.8	95	454	48
4007	McVile, ND	CONLON	2	40.9	98	16	80.2	2.4	1	13.5	4.81	37.2	125	84.4	588	242	44
4008	McVile, ND	PINNACLE	2	39.6	96.3	16	81.2	3.0	1	10.4	4.63	47.4	119	71.6	303	220	47
4009	McVile, ND	LACEY	6	33.2	97.7	18	78.7	3.3	1	14.4	6.34	46.3	176	76.1	167	329	46
4010	McVile, ND	TRADITION	6	34.1	97.3	24	79.7	3.2	1	14.3	6.41	45.7	215	73.0	324	301	46
4011	McVile, ND	STELLAR-ND	6	34.8	98.6	27	80.1	5.1	1	13.3	6.81	53.0	170	71.3	124	342	54
4012	McVile, ND	QUEST	6	32.4	96.4	19	79.2	2.9	1	12.5	5.82	46.9	169	81.4	370	286	59
4013	McVile, ND	ND22421	6	35.4	98.2	24	79.8	5.3	1	11.9	6.13	51.9	123	73.6	204	329	48
4014		LACEY MALT CHECK	6	33.5	90.3	42	79.4	3.5	1	13.5	6.08	48.1	175	83.0	66	284	58
4015	McVile, ND	2ND25276	2	36.5	96.3	15	81.6	5.3	1	12.2	6.11	53.9	90	89.0	316	316	39
4016	McVile, ND	JENNIFER	2	39.8	98.4	7	80.1	3.4	1	12.8	5.68	45.7	94	87.4	58	304	53
4017	McVile, ND	SUNSHINE	2	38.4	98	12	81.6	4.3	1	12.3	6.81	56.5	120	70.6	42	319	52
4018	McVile, ND	LILLY	2	39.3	97	14	81.9	3.9	1	11.8	6.37	57.8	82	91.9	50	317	48
4019	McVile, ND	04/506/42/8	2	40.4	98	7	82.1	3.2	2	11.9	5.27	47.3	117	79.8	129	264	56
4020	McVile, ND	04/566/70/8	2	40.5	98.7	5	77.3	3.4	1	12.8	5.15	41.1	105	81.5	138	258	52
4021	McVile, ND	10/508/24	2	39.9	96.1	11	81.0	4.5	1	12.7	6.79	56.8	99	75.5	52	312	48
4022	McVile, ND	10/619/1	2	36.4	97.4	12	81.1	4.0	1	12.5	5.67	47.0	77	80.5	345	275	42
4023	McVile, ND	10/734/33	2	37.6	97.7	13	82.4	4.3	1	11.3	6.17	58.3	101	71.6	71	302	50
4024	McVile, ND	10/736/3	2	38.2	98	14	81.6	4.1	1	11.8	5.59	49.0	78	70.0	211	282	48
4025	McVile, ND	10/658/71	2	39.0	95.9	15	79.4	4.0	1	12.0	5.58	47.4	85	97.6	51	239	52
4026	McVile, ND	10/681/101	2	40.0	97.1	4	81.1	5.0	1	13.0	6.20	51.1	104	95.5	73	291	49
4027	McVile, ND	10/619/38	2	38.7	98.1	23	81.5	n.d.	3	10.5	6.38	62.8	57	76.8	96	305	41
4028	McVile, ND	10/619/56	2	39.1	97.2	17	80.7	8.1	1	11.7	7.66	66.7	64	78.4	181	350	38
4029	McVile, ND	KWS TINKA	2	38.7	96.4	11	80.6	4.8	1	11.9	6.12	53.5	74	75.1	284	303	38
4030	McVile, ND	KWS THESSA	2	39.7	95.8	8	80.4	4.4	1	12.2	6.02	50.9	84	77.4	254	300	38
4031	McVile, ND	KWS ATRIKA	2	40.5	97.8	6	79.5	3.7	1	12.8	5.31	43.7	72	69.1	204	276	52
4032	McVile, ND	KWS IRINA	2	37.1	95.9	10	80.6	4.1	1	12.0	5.52	48.2	94	70.1	112	286	46
4033	McVile, ND	KWS AURELIA	2	39.2	96.4	9	81.2	4.1	1	11.3	5.52	51.8	89	69.9	122	295	51
4034	McVile, ND	KWS ASTA	2	41.1	96.8	5	82.5	4.4	2	12.1	5.31	45.9	74	63.5	107	292	57
4035	McVile, ND	KWS EILEEN	2	41.8	99	15	81.8	4.2	1	12.2	5.99	49.9	90	80.1	77	301	53
4036	McVile, ND	KWS AMADORA	2	35.8	94.9	14	81.4	5.7	1	12.3	6.69	57.0	87	76.1	56	348	46
4037	McVile, ND	CDC MEREDITH	2	37.3	95.5	18	81.8	10.3	2	11.6	7.95	71.5	62	62.3	69	392	45
4038	Mt Sterling, UTAH	Charles	2	33.7	69	85	78.9	1.8	1	13.1	4.22	32.4	113	56.9	391	177	25
4039	Mt Sterling, UTAH	Endeavor	2	29.1	36.2	81	79.0	1.9	1	14.3	5.37	40.0	168	95.4	354	228	37
4040	Mt Sterling, UTAH	Maja	6	25.2	34.9	98	75.8	2.8	2	12.9	4.53	36.3	160	53.1	190	204	30
4041	Mt Sterling, UTAH	Alba	6	28.3	36.8	99	73.5	2.1	1	13.3	3.56	27.2	112	40.2	978	120	18
4042	Mt Sterling, UTAH	UTWB9703-19	6	29.0	58.2	96	76.2	2.5	2	12.4	3.84	31.8	86	40.5	687	156	17
4043	Mt Sterling, UTAH	UTWB10201-15	6	26.3	35.5	87	77.4	3.1	2	12.0	3.95	33.9	134	43.4	565	162	19

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4044	Mt Sterling, UTAH	Saturn	6	32.9	62.3	91	73.8	n.d.	3	12.6	3.83	30.7	95	34.9	773	145	15
4045		LACEY MALT CHECK	6	33.2	89.7	42	79.0	2.9	1	13.6	6.35	48.5	184	91.7	37	297	53
4046	Mt Sterling, UTAH	Strider	6	29.4	41.4	88	74.8	3.4	2	13.3	3.57	27.0	70	33.7	895	132	13
4047	Mt Sterling, UTAH	UTWB10406-9	6	28.8	36.3	100	75.8	2.1	1	14.3	4.69	33.2	90	52.3	652	233	16
4048	Mt Sterling, UTAH	UTWB10502-34	6	27.3	40	98	73.5	2.5	1	13.9	3.85	28.4	106	48.4	914	157	11
4049	Mt Sterling, UTAH	10602-15	6	25.9	16.6	99	74.6	2.6	2	13.7	3.78	28.1	122	33.8	495	144	10
4050	Mt Sterling, UTAH	10602-21	6	26.7	29.3	100	75.0	1.6	1	13.6	4.11	31.3	70	41.5	524	171	11
4051	Mt Sterling, UTAH	WB10605-5	6	41.3	87.1	89	77.7	1.6	1	15.1	4.32	29.1	141	70.5	441	193	29
4052	Mt Sterling, UTAH	WB10605-8	6	40.0	86.2	79	77.8	1.4	1	14.3	3.82	27.9	123	59.4	558	161	27
4053	Mt Sterling, UTAH	UTWB10201-15	6	31.9	89.6	48	78.6	n.d.	3	11.3	3.78	34.0	93	44.9	566	152	25
4054	Mt Sterling, UTAH	UTWB10406-9	6	37.6	90.1	58	76.8	3.4	2	11.2	3.58	34.0	58	38.9	701	164	16
4055	Mt Sterling, UTAH	UTWB10502-34	6	40.5	96.6	45	76.3	3.0	2	11.5	3.47	30.4	61	38.5	784	141	21
4056	Mt Sterling, UTAH	10602-15	6	32.1	73.8	67	75.2	2.8	2	11.0	2.79	26.1	79	27.0	698	102	14
4057	Mt Sterling, UTAH	10602-21	6	31.9	87	67	76.8	1.8	1	11.7	3.35	29.4	56	43.0	485	137	25
4058	Mt Sterling, UTAH	WB10605-5	6	51.1	99.3	47	78.8	3.0	1	13.6	6.19	47.6	88	57.0	27	314	43
4059	Mt Sterling, UTAH	WB10605-8	6	51.8	98.6	57	78.3	1.9	1	12.3	4.30	35.8	99	60.4	53	211	48
4060	Sidney, MT	ROBUST	6	36.4	95.6	47	78.4	1.9	1	13.5	4.90	38.2	183	61.3	158	211	54
4061	Sidney, MT	LACEY	6	36.4	95.4	44	78.9	1.8	1	12.8	4.73	38.0	192	73.2	59	193	53
4062	Sidney, MT	TRADITION	6	36.1	99	60	79.7	2.3	2	11.9	4.71	41.6	194	71.8	56	199	55
4063	Sidney, MT	STELLAR-ND	6	37.4	96.5	55	79.5	1.9	1	12.2	4.97	41.2	206	73.1	33	224	61
4064	Sidney, MT	CELEBRATION	6	33.0	94.8	50	79.0	1.7	1	12.7	5.17	42.7	206	76.2	55	238	66
4065	Sidney, MT	QUEST	6	36.4	96.1	47	78.7	1.7	1	12.8	5.21	43.5	176	74.3	145	232	63
4066	Sidney, MT	INNOVATION	6	38.5	99.3	56	80.4	2.0	1	12.1	5.42	45.5	169	69.8	81	244	70
4067	Sidney, MT	ND22421	6	37.3	98.7	56	80.2	2.3	2	10.8	4.75	45.7	131	71.2	77	212	54
4068	Sidney, MT	ND26891	6	37.4	98.9	51	80.0	n.d.	3	10.6	4.41	42.5	130	64.9	88	189	48
4069	Sidney, MT	ND28554	6	39.6	99	54	80.0	n.d.	3	11.4	4.71	44.0	142	66.5	99	209	56
4070	Sidney, MT	ND28555	6	39.7	99.5	59	80.5	2.3	2	11.1	5.06	47.1	139	65.1	90	224	52
4071	Sidney, MT	ND29196	6	34.8	98.2	64	79.7	1.9	1	11.3	5.00	46.8	148	75.5	94	218	61
4072	Sidney, MT	ND29380	6	36.4	97.7	57	80.5	2.3	2	11.3	4.72	44.9	136	68.0	102	223	54
4073	Sidney, MT	ND30159	6	39.1	99.4	42	81.0	2.2	1	11.4	5.07	48.0	143	73.2	120	233	52
4074	Sidney, MT	ND30304	6	37.6	97.9	51	80.0	2.5	1	11.4	5.39	50.0	134	71.7	189	251	50
4075	Sidney, MT	ND30320	6	37.0	98.9	54	80.6	2.0	1	10.1	4.74	48.7	130	66.2	205	219	43
4076		LACEY MALT CHECK	6	32.7	88.2	41	79.2	3.2	1	13.1	5.95	47.9	157	72.4	26	280	61
4077	Sidney, MT	ND30377	6	36.3	97	50	80.0	1.8	1	11.7	4.70	42.9	151	65.7	185	210	56
4078	Sidney, MT	M152	6	37.6	97.7	47	79.9	2.7	2	12.0	5.21	47.1	171	59.5	124	248	60
4079	Sidney, MT	CONLON	2	47.3	99.5	37	80.2	2.3	2	11.3	4.05	37.2	131	65.6	438	173	45
4080	Sidney, MT	PINNACLE	2	49.8	99.1	40	81.0	2.0	2	10.2	4.01	39.5	103	57.0	67	169	47
4081	Sidney, MT	AC METCALFE	2	41.3	98	55	82.1	2.2	1	11.5	5.27	48.8	122	82.7	24	247	64
4082	Sidney, MT	CDC COPELAND	2	43.0	98.2	55	81.7	2.0	1	11.0	5.00	47.3	103	69.7	28	230	57
4083	Sidney, MT	CDC MEREDITH	2	42.4	98.5	50	83.1	2.5	1	10.0	4.84	50.9	92	77.2	20	238	53
4084	Sidney, MT	CONRAD	2	43.6	98.9	43	81.2	2.0	1	11.2	4.84	46.6	119	83.1	53	234	67
4085	Sidney, MT	HOCKETT	2	46.3	99	53	81.6	1.9	1	10.8	4.47	45.7	96	77.7	250	204	51
4086	Sidney, MT	2ND25276	2	45.0	99	39	81.4	2.2	1	11.0	4.56	45.0	104	74.7	95	201	62

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4087	Sidney, MT	2ND27705	2	43.1	98.1	55	81.7	2.2	1	10.0	4.43	46.9	95	80.4	32	218	58
4088	Sidney, MT	2ND28065	2	41.4	97.6	41	80.4	1.7	1	11.1	4.24	40.9	94	57.6	92	183	53
4089	Sidney, MT	2ND30639	2	45.5	99.5	40	79.5	2.0	1	12.4	4.50	38.7	111	62.7	215	194	52
4090	Sidney, MT	2ND30672	2	50.8	99.2	49	80.2	2.8	1	11.4	5.32	48.5	105	79.0	126	252	55
4091	Sidney, MT	2ND30724	2	50.8	99.4	43	78.9	2.2	2	12.6	4.48	37.0	154	63.5	114	196	54
4092	Sidney, MT	2ND30749	2	49.2	99.4	38	81.4	2.0	1	11.4	4.60	43.9	126	83.2	88	224	70
4093	Sidney, MT	2ND30837	2	46.6	99	36	80.1	n.d.	3	12.7	4.77	39.1	134	70.0	95	206	60
4094	Sidney, MT	2ND30879	2	45.9	98.8	44	80.6	2.0	1	10.5	4.47	44.6	76	70.1	55	189	53
4095	Sidney, MT	2B05-0811	2	40.0	96.6	52	82.5	2.3	1	10.6	4.73	47.0	108	85.7	24	234	61
4096	Sidney, MT	ROBUST	6	37.6	98.6	41	79.3	1.9	1	14.2	5.56	40.6	190	72.0	226	256	48
4097	Sidney, MT	LACEY	6	38.9	99.4	40	79.8	2.2	1	13.4	5.76	43.8	182	89.3	44	269	66
4098	Sidney, MT	TRADITION	6	37.5	98.5	47	79.8	2.0	1	12.8	4.94	38.5	206	89.5	65	227	61
4099	Sidney, MT	STELLAR-ND	6	39.2	99.5	43	80.6	3.3	2	12.9	5.67	45.6	166	87.5	35	287	69
4100	Sidney, MT	CELEBRATION	6	36.8	98.7	44	79.6	2.6	1	14.4	6.37	45.2	239	101.0	79	298	53
4101	Sidney, MT	QUEST	6	36.1	97.6	43	79.8	2.3	1	13.7	5.73	43.1	198	98.1	146	281	57
4102	Sidney, MT	INNOVATION	6	38.4	99.1	43	80.0	3.3	1	13.7	6.37	47.2	162	80.4	138	293	49
4103	Sidney, MT	ND22421	6	39.6	99.6	37	80.0	2.9	1	12.9	5.69	46.1	118	91.2	161	275	59
4104	Sidney, MT	ND26891	6	38.6	99.3	38	80.7	3.4	2	12.6	5.66	46.0	99	82.3	220	247	55
4105	Sidney, MT	ND28554	6	41.7	99.7	42	80.4	3.2	1	13.9	6.34	49.0	130	87.4	157	287	46
4106	Sidney, MT	ND28555	6	41.9	99.3	46	80.4	2.7	1	13.8	6.06	46.1	133	86.0	210	297	48
4107		LACEY MALT CHECK	6	33.5	90	42	79.7	3.4	1	13.5	5.97	46.4	166	97.4	40	290	61
4108	Sidney, MT	ND29196	6	36.1	98.5	47	79.6	2.3	1	13.4	5.94	45.7	161	82.6	257	282	59
4109	Sidney, MT	ND29380	6	39.9	99.2	31	80.9	3.5	2	11.9	5.82	51.7	98	73.4	396	258	46
4110	Sidney, MT	ND30159	6	41.5	99.6	37	82.6	2.4	1	11.2	5.49	52.7	98	71.7	288	258	46
4111	Sidney, MT	ND30304	6	37.0	99.2	38	80.0	2.5	1	12.3	6.25	52.6	118	77.0	309	303	44
4112	Sidney, MT	ND30320	6	36.6	98.6	41	80.7	2.1	1	12.6	5.43	45.1	151	77.6	321	264	63
4113	Sidney, MT	ND30377	6	36.9	98.2	41	80.1	2.0	1	13.3	5.55	44.1	144	72.9	365	270	63
4114	Sidney, MT	M152	6	38.0	98.9	48	79.8	2.5	1	13.1	5.95	47.2	184	63.9	155	292	57
4115	Sidney, MT	CONLON	2	45.4	99.1	33	80.4	1.9	1	13.4	5.12	40.5	149	79.6	295	222	55
4116	Sidney, MT	PINNACLE	2	48.4	99	32	81.5	2.0	1	11.5	4.61	42.8	76	66.8	380	204	56
4117	Sidney, MT	AC METCALFE	2	41.4	98.1	39	81.3	4.6	1	13.3	6.58	51.7	142	87.6	23	318	52
4118	Sidney, MT	CDC COPELAND	2	43.6	98.2	40	81.2	2.8	1	11.9	5.98	52.4	114	69.8	58	263	58
4119	Sidney, MT	CDC MEREDITH	2	41.3	96.3	37	81.7	5.8	1	12.6	6.55	53.6	104	63.3	32	304	54
4120	Sidney, MT	CONRAD	2	42.4	98.5	31	80.9	4.2	1	13.6	7.12	52.7	153	89.5	61	322	45
4121	Sidney, MT	HOCKETT	2	43.8	95.8	37	81.2	2.6	1	13.1	6.10	46.9	116	84.1	524	266	48
4122	Sidney, MT	2ND25276	2	44.7	98.9	33	82.3	2.4	1	11.6	5.72	50.9	100	80.4	202	231	51
4123	Sidney, MT	2ND27705	2	42.0	98.1	41	81.7	3.3	1	11.6	5.93	52.7	116	81.7	36	256	57
4124	Sidney, MT	2ND28065	2	39.0	95.7	33	81.7	1.7	1	12.4	5.27	44.3	101	64.8	216	218	57
4125	Sidney, MT	2ND30639	2	45.2	98.9	34	79.4	2.3	1	15.3	7.37	49.2	156	75.5	178	292	38
4126	Sidney, MT	2ND30672	2	49.0	98.4	46	81.0	5.2	1	12.5	6.69	56.1	93	80.2	212	300	44
4127	Sidney, MT	2ND30724	2	47.8	97.5	35	80.1	1.9	1	12.9	5.00	39.1	166	70.3	145	217	58
4128	Sidney, MT	2ND30749	2	49.7	99.3	26	82.0	2.8	1	11.4	5.62	50.7	110	75.9	251	252	51
4129	Sidney, MT	2ND30837	2	46.4	98.8	33	81.0	4.1	2	13.1	6.16	49.1	130	74.7	158	245	42

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4130	Sidney, MT	2ND30879	2	44.8	98.5	37	81.1	3.0	1	11.4	5.73	52.7	79	77.2	137	245	50
4131	Sidney, MT	2B05-0811	2	40.2	97.3	43	82.8	6.7	1	12.7	7.34	59.8	102	85.8	56	359	54
4132	St. Paul, MN	2Ab08-X05W061-216	2	40.3	89.5	37	80.3	2.9	1	14.7	7.09	48.6	184	97.1	197	345	35
4133	St. Paul, MN	2Ab09-X05W018-119	2	39.8	88.5	57	79.5	2.8	1	13.8	5.81	42.0	195	105.2	271	284	41
4134	St. Paul, MN	2Ab09-X05W040-125	2	37.1	86.1	49	78.6	2.7	1	15.3	6.21	41.7	218	101.3	263	306	33
4135	St. Paul, MN	02Ab431	2	40.6	90	44	80.1	3.5	1	14.4	7.28	50.7	143	92.6	115	354	40
4136	St. Paul, MN	AC 07/022/2	2	48.1	93.7	43	76.9	3.4	1	16.4	6.89	42.2	232	65.0	150	300	36
4137	St. Paul, MN	AC 07/041/33	2	46.2	96.8	29	77.8	2.9	1	16.0	6.17	40.0	217	68.3	79	269	43
4138		HARRINGTON MALT CHECK	2	40.0	95.9	74	82.5	2.5	1	11.7	5.18	47.0	117	91.8	59	258	64
4139	St. Paul, MN	Flavia (ACK 07/041/8)	2	44.9	96.6	34	77.0	2.8	2	16.3	5.43	35.4	237	68.8	98	237	44
4140	St. Paul, MN	Etincel	6	41.3	97.8	27	78.4	2.8	1	15.2	6.11	40.6	156	66.5	280	265	38
4141	St. Paul, MN	Thoroughbred	6	34.0	94.8	29	78.3	2.7	1	15.5	5.61	36.3	190	72.7	352	251	45
4142	St. Paul, MN	VA10B-43	6	30.2	90	22	75.3	2.7	1	15.5	5.21	34.7	66	66.0	610	246	30
4143	St. Paul, MN	VA12B-7	6	28.3	76.2	28	75.4	3.1	2	16.2	5.16	33.1	161	58.2	529	200	26
4144	St. Paul, MN	VA12B-8	6	33.8	92.6	31	75.2	2.6	1	17.2	6.08	35.8	127	70.8	365	263	28
4145	St. Paul, MN	Saturn	6	41.0	94.9	35	75.6	n.d.	3	14.0	4.81	35.3	150	53.5	580	205	32
4146	St. Paul, MN	Violetta	2	46.0	95	30	78.7	2.5	1	16.4	6.58	40.2	239	61.3	87	297	47
4147	St. Paul, MN	Nectaria	2	45.0	89.6	31	76.4	3.3	2	17.3	6.51	38.3	198	73.7	280	286	28
4148	St. Paul, MN	Maltesse	2	49.7	96.5	21	78.9	2.3	1	15.3	5.61	37.6	160	58.9	490	253	38
4149	St. Paul, MN	SC11203	2	45.7	94.3	26	76.9	2.8	2	16.7	5.69	35.3	148	53.9	294	235	33
4150	St. Paul, MN	SC11213	2	48.4	96	28	76.6	2.8	1	17.0	5.63	33.6	198	44.3	435	243	31
4151	St. Paul, MN	08OR-48 (TCFW6-244)	6	39.0	96.5	36	77.6	n.d.	3	14.6	5.07	36.3	157	68.7	527	242	32
4152	St. Paul, MN	2011-F5-141-5 (TCFW6-193)	6	34.4	96	35	78.9	2.5	1	13.2	5.35	42.2	146	75.0	311	263	60
4153	St. Paul, MN	06OR-9 (TCFW6-194)	2	40.0	95.3	41	77.9	2.3	1	15.1	5.00	33.4	128	63.6	419	225	37
4154	St. Paul, MN	MW13A2008-000	6	31.1	78.9	68	80.5	2.2	1	11.0	4.39	42.7	129	63.4	267	215	45
4155	St. Paul, MN	Quest	6	32.9	88	66	80.8	2.2	1	11.1	4.50	42.9	133	72.2	357	218	48
4156	St. Paul, MN	MW13F2019-000	6	33.2	87.9	63	81.3	2.2	1	11.2	4.78	43.4	104	73.2	304	225	44
4157	St. Paul, MN	MW13F2025-000	6	33.1	87.3	63	79.2	2.2	1	11.6	4.56	41.9	125	58.3	456	215	48
4158	St. Paul, MN	MW13E2009-000	6	34.1	85.1	64	79.7	2.5	1	11.0	4.47	43.9	99	57.2	635	201	44
4159	St. Paul, MN	MW13C2025-000	6	33.0	87.6	70	79.7	2.1	1	11.2	4.73	44.3	119	56.3	494	218	44
4160	St. Paul, MN	MW13C2015-000	6	31.2	80.1	76	79.5	2.7	1	11.7	5.42	49.6	128	68.6	307	255	54
4161	St. Paul, MN	MW13L2018-000	6	32.8	80.3	56	79.0	2.6	1	11.4	4.99	46.8	113	65.3	400	232	47
4162	St. Paul, MN	MW13B2027-000	6	34.5	83	60	79.7	2.2	1	12.5	5.38	44.8	145	64.0	337	234	63
4163	St. Paul, MN	MW13E2025-000	6	35.2	86.9	56	79.1	2.0	1	11.8	4.49	39.3	159	60.8	290	212	51
4164	St. Paul, MN	MW13A2014-000	6	34.2	91.7	63	79.5	2.2	1	11.1	4.78	46.3	160	66.3	142	219	54
4165	St. Paul, MN	MW13B2008-000	6	33.6	87	67	81.1	2.1	1	10.7	4.80	47.8	139	66.2	171	223	46
4166	St. Paul, MN	MW13B2050-000	6	31.4	81.1	79	78.5	2.3	1	11.4	4.85	45.3	131	68.4	177	240	47
4167	St. Paul, MN	Lacey	6	33.4	89	66	80.1	2.5	1	11.8	5.09	46.7	154	66.7	175	226	59
4168	St. Paul, MN	Rasmusson	6	33.9	89	74	81.6	2.9	1	10.1	4.79	51.5	120	71.5	103	227	46
4170	St. Paul, MN	MW11S4036-013	6	31.9	80.5	79	78.9	2.4	1	11.6	4.77	43.5	111	69.0	334	221	45
4171	St. Paul, MN	MW12_4055-001	6	32.5	84.1	69	79.0	3.1	2	11.9	4.78	41.1	144	54.9	380	218	50
4172	St. Paul, MN	MW11S4016-011	6	32.6	79.5	75	80.0	2.6	1	11.3	4.89	47.2	139	64.3	304	228	44
4173	St. Paul, MN	MW12_4011-012	6	30.2	68.5	83	80.3	2.8	1	10.9	5.39	50.3	104	79.3	131	269	43

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4174	St. Paul, MN	MW11S4035-008	6	33.3	71.7	84	78.6	2.7	1	11.6	5.33	46.3	124	60.1	402	257	52
4175	St. Paul, MN	MW11S3009-009	6	30.6	58.4	63	77.5	2.6	1	11.2	4.64	42.0	101	60.8	364	213	28
4176	St. Paul, MN	MW12_4011-006	6	31.6	64.3	88	79.0	2.7	1	11.7	4.95	45.1	132	66.2	227	260	50
4177	St. Paul, MN	MW11S4009-008	6	35.7	83	70	78.8	2.7	1	10.7	4.94	48.3	108	59.7	508	224	39
4178	St. Paul, MN	MW11S4056-005	6	30.3	90.3	45	75.5	2.3	1	13.0	4.50	35.7	128	46.2	551	184	29
4179	St. Paul, MN	MW11S4038-009	6	32.5	88.6	82	77.9	2.7	1	11.1	4.53	43.0	106	68.5	214	222	38
4180	St. Paul, MN	MW12_4064-005	6	31.9	79.3	51	78.4	4.2	2	9.8	4.77	50.9	65	60.2	245	228	32
4181	St. Paul, MN	MW12_4059-007	6	32.2	82.6	73	81.2	2.1	1	9.9	4.40	45.7	119	67.8	415	235	44
4182	St. Paul, MN	MW12_4065-009	6	29.6	72.6	60	78.3	2.9	2	10.9	4.30	40.4	122	60.4	151	226	34
4183	St. Paul, MN	MW12_4086-008	6	32.2	72	74	78.1	2.1	1	10.6	4.17	39.5	106	53.4	267	206	28
4184	St. Paul, MN	MW12_4014-011	6	30.3	74.4	68	81.1	2.1	1	10.3	4.22	41.2	149	58.4	295	196	41
4185	St. Paul, MN	MW11S4010-014	6	32.6	93.6	58	80.6	2.7	1	11.0	4.73	45.7	126	71.4	489	229	48
4186	St. Paul, MN	MW11S3037-007	6	34.3	90.4	73	77.2	2.0	1	11.6	3.92	34.7	130	56.4	780	174	33
4187	St. Paul, MN	MW12_4071-007	6	34.2	92.7	76	79.9	2.7	1	11.4	4.56	42.4	109	63.2	114	234	51
4188	St. Paul, MN	MW12_4049-002	6	29.0	76.1	62	75.5	2.3	1	13.4	4.91	38.5	150	53.9	261	235	39
4189	St. Paul, MN	MW12_4011-004	6	33.0	80.5	75	81.3	2.3	1	11.0	4.52	44.1	132	62.4	93	244	55
4190	St. Paul, MN	MW11S4039-015	6	32.4	75.5	83	78.0	2.1	1	11.8	4.43	39.8	130	62.2	455	236	40
4191		LACEY MALT CHECK	6	33.0	89.2	43	79.6	2.9	1	13.8	5.88	45.7	179	77.8	37	294	61
4192	St. Paul, MN	MW11S3029-011	6	34.6	80.9	82	80.0	2.2	1	11.2	4.79	43.8	172	70.1	246	249	51
4193	St. Paul, MN	MW12_4075-006	6	30.2	86.8	72	78.2	2.4	1	11.6	4.59	41.2	152	63.6	348	226	47
4194	St. Paul, MN	MW11S4010-005	6	34.4	84.5	69	81.8	2.4	1	10.7	4.91	48.0	163	81.0	152	256	52
4195	St. Paul, MN	Quest	6	32.1	89.3	68	78.7	2.4	1	11.8	4.73	43.5	138	77.2	200	263	50
4196	St. Paul, MN	MW12_4091-012	6	35.3	77.9	66	77.1	2.7	1	72.5	5.18	6.6	194	85.7	39	306	39
4198	St. Paul, MN	MW12_4072-012	6	35.5	80.8	77	79.0	2.2	1	67.1	4.59	7.3	120	68.2	363	227	38
4199	St. Paul, MN	MW11S4019-004	6	32.0	80.1	86	73.7	2.0	2	75.0	3.70	5.1	110	48.6	488	149	14
4200	St. Paul, MN	MW11S4060-010	6	31.1	71.8	74	75.9	2.3	1	12.1	4.75	39.9	118	52.8	639	209	28
4201	St. Paul, MN	MSU 1	2	42.4	95	71	81.1	2.0	1	9.7	4.11	44.7	118	82.2	304	191	51
4202	Bozeman, MT	MSU 2	2	42.7	95.7	69	81.5	1.9	1	9.6	4.01	45.5	112	80.0	333	175	46
4203	Bozeman, MT	MSU 3	2	43.1	95.8	70	81.2	2.0	1	9.4	4.01	46.3	107	79.3	327	179	46
4204	Bozeman, MT	MSU 4	2	33.7	85.6	72	80.2	2.0	1	9.3	3.94	45.1	112	79.5	161	165	33
4205	Bozeman, MT	MSU 5	2	33.1	85.2	75	80.4	2.3	1	9.0	4.01	46.0	118	86.8	136	165	39
4206	Bozeman, MT	MSU 6	2	46.2	99.9	71	82.3	2.0	1	9.2	4.55	53.4	115	85.0	173	199	50
4207	Bozeman, MT	MSU 7	2	46.6	99.9	65	81.6	2.1	1	9.2	4.68	53.5	106	85.6	161	209	50
4208	Bozeman, MT	MSU 8	2	46.9	99.9	73	81.7	2.1	1	9.7	4.48	49.0	113	84.9	159	196	50
4209	Bozeman, MT	MSU 9	2	42.7	96	71	82.4	2.2	1	8.7	4.34	55.6	94	80.0	72	180	44
4210	Bozeman, MT	MSU 10	2	42.9	94	70	82.4	2.2	1	8.8	4.31	53.7	95	79.3	48	177	44
4211	Bozeman, MT	MSU 11	2	41.9	95.8	72	82.2	2.2	1	8.7	4.37	54.3	98	78.9	79	174	43
4212	Bozeman, MT	MSU 12	2	32.4	82.8	80	80.9	2.2	1	8.2	4.10	53.5	91	77.1	101	163	27
4213	Bozeman, MT	MSU 13	2	33.2	83.3	76	81.0	2.2	1	8.6	4.16	53.1	101	80.2	94	163	38
4214	Bozeman, MT	MSU 14	2	45.8	99.9	68	82.8	1.9	1	8.8	4.38	52.6	103	82.5	49	192	53
4215	Bozeman, MT	MSU 15	2	46.1	99.9	67	82.5	2.0	1	8.5	4.26	52.9	104	81.5	70	186	51
4216	Bozeman, MT	MSU 16	2	45.9	99.8	68	82.8	2.2	1	8.7	4.39	55.8	97	73.8	58	180	47
4217	Bozeman, MT	MSU 17	2	43.9	99	76	81.6	2.1	1	8.9	4.22	50.7	103	67.5	155	172	41

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4218	Bozeman, MT	MSU 18	2	43.7	95.7	74	82.4	2.1	1	9.0	4.32	52.2	107	67.6	147	178	44
4219	Bozeman, MT	MSU 19	2	42.5	96	75	82.5	2.3	1	9.4	4.43	50.8	100	69.4	154	182	44
4220	Bozeman, MT	MSU 20	2	32.7	83.8	74	80.7	2.5	1	8.8	4.22	52.3	87	67.3	163	157	24
4221	Bozeman, MT	MSU 21	2	32.9	82.7	83	80.4	2.6	1	8.6	4.10	52.8	87	66.8	169	156	24
4222		HARRINGTON MALT CHECK	2	39.6	96.5	75	82.3	2.9	1	11.4	5.17	48.8	104	83.3	90	219	59
4223	Bozeman, MT	MSU 22	2	33.2	83.8	79	80.5	2.5	1	8.7	4.17	50.6	88	65.5	178	150	24
4224	Bozeman, MT	MSU 23	2	46.2	99.9	74	82.1	2.4	1	9.2	4.34	51.2	98	67.9	132	161	40
4225	Bozeman, MT	MSU 24	2	46.3	99.9	75	82.5	2.4	1	9.2	4.26	49.6	114	71.4	150	161	41
4226	Bozeman, MT	MSU 25	2	45.9	99.9	70	82.5	2.4	1	9.1	4.34	50.6	112	68.3	151	172	41
4227	Bozeman, MT	MSU 26	2	42.4	95.6	71	82.0	2.2	1	9.4	4.36	49.4	132	74.0	59	183	54
4228	Bozeman, MT	MSU 27	2	43.4	95.4	69	82.0	2.2	1	9.3	4.68	52.4	130	79.7	49	201	60
4229	Bozeman, MT	MSU 28	2	44.1	95.4	70	81.8	2.1	1	9.3	4.62	53.6	132	78.4	53	195	60
4230	Bozeman, MT	MSU 29	2	33.4	84.6	73	80.3	2.2	1	9.1	4.14	50.0	121	75.0	74	182	41
4231	Bozeman, MT	MSU 30	2	33.3	83.6	74	80.5	2.2	1	9.1	4.17	49.6	114	73.8	66	182	38
4232	Bozeman, MT	MSU 31	2	33.9	84.7	71	80.5	2.2	1	9.1	4.39	51.5	114	76.3	68	189	38
4233	Bozeman, MT	MSU 32	2	46.1	99.9	70	82.1	2.2	1	9.4	4.52	53.0	116	78.2	39	211	57
4234	Bozeman, MT	MSU 33	2	46.7	99.9	72	81.9	2.1	1	9.6	4.71	53.2	118	79.9	39	209	57
4235	Bozeman, MT	MSU 34	2	47.1	99.9	71	82.2	2.4	1	9.6	4.63	52.6	122	77.6	49	211	60
4236	Bozeman, MT	1001	2	34.9	84.26	82	76.4	1.7	1	14.6	4.69	34.0	195	63.6	39	194	35
4237	Bozeman, MT	1002	2	33.2	72.2	82	76.3	2.2	1	14.6	5.60	39.6	239	93.0	19	258	31
4238	Bozeman, MT	1003	2	35.7	83.3	85	76.3	2.2	1	15.0	5.42	36.4	211	87.4	49	246	35
4239	Bozeman, MT	1004	2	34.5	80.8	77	74.6	1.8	1	14.2	3.80	27.0	163	65.9	187	137	16
4240	Bozeman, MT	1005	2	32.5	76.4	77	75.2	1.9	1	16.3	5.14	31.9	226	93.9	17	232	35
4241	Bozeman, MT	1006	2	33.1	64.8	79	73.2	2.0	1	15.5	3.89	25.4	182	61.8	426	142	16
4242	Bozeman, MT	1007	2	34.2	85.3	77	73.9	2.1	1	15.2	4.12	27.4	164	63.3	201	141	22
4243	Bozeman, MT	1008	2	39.0	93	76	77.8	2.4	1	14.2	5.03	36.3	180	49.0	21	210	39
4244	Bozeman, MT	1009	2	38.0	89.1	77	74.8	1.5	1	14.6	4.03	27.9	202	55.7	219	137	22
4245	Bozeman, MT	1010	2	34.1	92.4	84	76.0	1.9	1	14.7	4.92	34.3	208	76.7	91	212	40
4246	Bozeman, MT	1011	2	35.7	83.8	78	74.4	1.6	1	14.0	3.70	27.7	159	56.6	316	130	16
4247	Bozeman, MT	1012	2	37.1	84.3	83	73.5	1.7	1	14.6	3.97	27.9	183	53.0	307	134	16
4248	Bozeman, MT	1013	2	32.7	70.2	84	76.4	2.1	1	14.6	5.43	37.6	186	99.5	17	247	35
4249	Bozeman, MT	1014	2	35.3	91.4	80	74.8	2.2	1	15.0	4.15	28.3	84	64.9	216	152	17
4250	Bozeman, MT	1015	2	36.2	83.3	87	76.8	2.3	1	14.3	5.20	38.6	165	94.3	38	219	35
4251	Bozeman, MT	1016	2	39.6	92.2	76	75.9	1.6	1	14.2	4.18	31.4	186	62.0	273	148	26
4252	Bozeman, MT	1017	2	37.0	88.9	83	76.2	1.8	1	14.9	4.56	31.1	204	79.2	105	209	34
4253		HARRINGTON MALT CHECK	2	39.1	96.5	74	81.8	2.4	1	11.6	5.19	48.1	113	86.3	120	242	55
4254	Bozeman, MT	1020	2	36.7	88.6	78	75.3	1.5	1	14.7	3.85	27.7	189	67.0	203	147	19
4255	Bozeman, MT	1021	2	33.8	78.8	79	73.8	2.0	1	14.0	3.51	25.9	56	50.7	462	126	9
4256	Bozeman, MT	1022	2	31.2	74.1	77	76.4	2.4	1	16.2	5.89	37.1	268	94.1	47	262	31
4257	Bozeman, MT	1023	2	33.2	84.2	84	75.6	1.7	1	13.5	3.62	26.8	127	55.4	344	129	16
4258		HARRINGTON MALT CHECK	2	40.1	96.3	71	81.7	2.3	1	11.7	4.66	41.3	106	82.4	183	230	59
4259	Bozeman, MT	1025	2	38.3	93.1	79	78.3	2.2	1	13.6	5.02	37.8	171	76.4	50	238	46
4260	Bozeman, MT	1026	2	37.9	91	75	77.0	2.4	1	15.1	5.32	35.9	214	80.1	61	244	40

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4261	Bozeman, MT	1027	2	37.8	91.5	73	77.1	2.4	1	15.5	5.52	36.1	267	87.2	41	278	40
4262	Bozeman, MT	1028	2	37.9	91.7	81	76.3	1.4	1	13.6	3.56	28.1	152	55.0	422	132	21
4263	Bozeman, MT	1029	2	36.7	88.6	81	75.5	1.4	1	15.1	3.72	25.4	150	57.7	419	151	19
4264	Bozeman, MT	1030	2	36.4	90.3	76	75.3	1.5	1	14.6	3.76	26.3	135	62.3	229	144	21
4265		HARRINGTON MALT CHECK	2	38.9	95.6	75	82.4	2.5	1	11.6	4.67	41.9	108	81.4	108	239	60
4266	Bozeman, MT	1032	2	34.4	82.6	83	77.3	1.9	1	15.3	5.15	34.3	224	91.9	43	267	35
4267	Bozeman, MT	1033	2	33.4	87.1	77	78.1	2.5	1	14.4	4.92	35.0	168	70.9	39	241	42
4268	Bozeman, MT	1034	2	35.8	86.9	82	78.4	2.2	1	14.1	5.31	38.9	194	88.1	47	253	42
4269	Bozeman, MT	1035	2	36.0	90.4	75	76.1	1.6	1	13.8	3.86	28.2	144	58.4	286	139	21
4270		HARRINGTON MALT CHECK	2	38.4	93.1	73	81.9	2.2	1	10.9	4.88	45.6	108	80.0	95	241	59
4271	Bozeman, MT	1038	2	34.2	86.5	84	77.5	2.5	1	15.6	5.25	34.0	202	92.0	41	244	38
4272	Bozeman, MT	1040	2	35.1	86.7	77	77.1	2.4	1	15.4	5.93	38.8	197	81.4	42	273	34
4273		HARRINGTON MALT CHECK	2	39.5	95	75	82.2	2.0	1	11.4	4.95	44.9	121	87.5	116	245	63
4274	Bozeman, MT	1042	2	37.3	89.4	80	76.0	1.2	1	14.9	4.09	27.7	156	62.3	222	155	22
4275	Bozeman, MT	1043	2	34.5	84.4	77	76.8	2.0	1	14.5	5.82	43.2	200	87.8	44	267	36
4276	Bozeman, MT	1045	2	34.4	87	77	75.4	2.3	2	14.6	3.87	27.5	183	54.7	224	141	18
4277	Bozeman, MT	1046	2	37.1	93.2	75	76.4	2.0	2	13.3	3.64	28.4	158	57.6	339	131	25
4278	Bozeman, MT	1047	2	36.3	89.2	77	74.8	2.5	2	14.9	3.93	27.4	73	56.7	412	139	11
4279		HARRINGTON MALT CHECK	2	40.9	96.6	75	81.8	2.2	1	11.4	4.74	44.2	116	80.5	155	235	59
4280	Bozeman, MT	1050	2	38.1	89.3	73	77.5	2.1	1	15.0	5.78	40.9	212	64.5	44	238	41
4281	Bozeman, MT	1051	2	37.1	92.4	76	78.7	2.2	1	14.1	5.74	41.5	187	81.8	42	271	45
4282	Bozeman, MT	1052	2	38.3	92.6	79	75.7	1.5	1	13.8	3.99	29.3	194	54.1	201	147	23
4283	Bozeman, MT	1053	2	31.6	74.1	85	76.6	1.9	1	15.2	5.32	35.1	200	95.9	43	225	35
4284		HARRINGTON MALT CHECK	2	39.7	95.5	74	81.6	2.2	1	11.6	5.26	48.3	114	85.2	88	251	59
4285	Bozeman, MT	1054	2	34.7	85	81	76.9	2.0	1	15.7	6.72	43.4	292	99.1	42	302	36
4286	Bozeman, MT	1055	2	35.5	86.5	70	74.5	1.9	2	16.1	4.23	27.9	120	65.7	243	172	21
4287	Bozeman, MT	1056	2	32.6	83.8	81	77.8	1.8	1	14.7	5.63	39.5	189	83.6	71	251	31
4288	Bozeman, MT	1057	2	39.5	95	86	77.4	1.5	1	13.2	3.78	29.9	146	68.9	242	142	28
4289	Bozeman, MT	1058	2	34.4	83.8	89	78.3	1.8	1	15.0	5.10	34.8	217	57.2	57	229	39
4290	Bozeman, MT	1059	2	34.5	88.9	82	77.8	2.4	1	14.2	6.22	45.3	160	97.8	42	278	36
4291	Bozeman, MT	1060	2	36.2	90.7	72	76.4	1.5	1	13.4	3.84	30.1	155	64.7	307	152	26
4292	Bozeman, MT	1061	2	37.4	93.6	68	75.9	n.d.	3	13.9	3.96	29.2	168	54.7	445	148	19
4293	Bozeman, MT	1062	2	37.0	88.2	85	74.6	1.6	1	14.6	3.87	28.3	154	50.2	356	142	19
4294	Bozeman, MT	1064	2	35.3	82.2	77	75.4	1.7	1	14.3	4.07	28.5	151	45.0	148	149	19
4295	Bozeman, MT	1065	2	33.0	82.2	90	77.0	2.0	1	16.1	5.73	35.6	198	87.8	41	251	31
4296	Bozeman, MT	1066	2	35.2	87.4	81	77.3	2.2	1	16.0	5.69	35.9	232	88.6	51	276	34
4297	Bozeman, MT	1067	2	34.0	83.1	66	73.3	2.6	1	14.9	3.63	25.3	68	47.4	572	132	6
4298	Bozeman, MT	1068	2	34.7	86.3	79	76.0	1.8	1	14.2	4.58	34.1	154	69.9	267	199	31
4299		HARRINGTON MALT CHECK	2	39.9	96	74	82.1	2.4	1	11.5	5.29	48.4	113	77.3	145	247	55
4300	Bozeman, MT	1070	2	30.8	77.2	82	76.0	n.d.	3	15.1	6.68	44.7	233	93.2	43	296	31
4301	Bozeman, MT	1071	2	37.2	91.3	78	76.0	1.6	1	14.5	4.22	29.8	139	69.2	269	159	24
4302	Bozeman, MT	1072	2	32.4	78.8	90	77.2	2.2	1	15.0	5.10	34.5	180	91.0	47	235	35
4303	Bozeman, MT	1073	2	36.7	88.4	67	75.3	2.2	1	14.9	3.90	27.1	87	56.4	346	157	12

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4304		HARRINGTON MALT CHECK	2	39.1	95.8	74	82.2	2.4	1	11.3	5.23	48.9	108	78.7	148	243	55
4305	Bozeman, MT	1075	2	35.7	90.3	91	75.7	1.5	1	13.9	3.96	28.8	126	61.1	492	144	21
4306	Bozeman, MT	1076	2	38.0	91.6	77	76.2	1.5	1	15.0	4.31	29.1	148	68.2	166	171	24
4307	Bozeman, MT	1077	2	36.6	88.2	80	75.9	2.9	1	15.5	5.65	36.6	190	77.2	60	266	34
4308	Bozeman, MT	1078	2	34.5	88.8	74	77.2	2.3	1	15.3	6.51	43.8	228	83.0	43	290	36
4309	Bozeman, MT	1079	2	38.9	95	74	77.1	1.4	1	14.4	4.16	29.1	174	68.8	164	160	26
4310	Bozeman, MT	1080	2	38.8	94.7	83	76.1	2.5	1	14.5	4.37	31.2	96	62.5	218	155	19
4311	Bozeman, MT	1081	2	32.7	80	82	77.5	2.1	1	14.0	5.84	42.0	247	93.5	47	270	36
4312	Bozeman, MT	1082	2	36.8	92.1	78	76.2	1.7	1	15.0	4.80	33.0	202	72.8	87	199	40
4313	Bozeman, MT	1083	2	35.5	87.7	78	77.0	2.0	1	15.2	6.27	42.3	271	91.5	42	273	36
4314		HARRINGTON MALT CHECK	2	40.1	96.8	73	82.1	2.1	1	11.7	5.25	48.6	132	90.6	80	260	64
4315		HARRINGTON MALT CHECK	2	39.5	96.1	73	82.5	2.2	1	11.1	5.14	46.6	125	94.2	67	267	67
4316	Bozeman, MT	1086	2	41.2	95.2	80	77.5	1.5	1	12.8	3.59	29.3	143	57.7	216	146	35
4317	Bozeman, MT	1089	2	40.1	92.7	84	76.5	1.3	1	13.7	3.61	27.0	108	51.9	411	159	22
4318	Bozeman, MT	1090	2	39.9	92.5	84	77.0	1.3	1	15.1	4.02	28.4	152	64.3	157	164	26
4319	Bozeman, MT	1091	2	38.9	92.2	75	77.5	1.5	1	13.3	3.64	28.0	148	57.8	150	145	28
4320	Bozeman, MT	1092	2	37.7	92	73	75.6	1.4	1	14.7	4.55	31.8	196	61.6	156	172	28
4321	Bozeman, MT	1093	2	32.7	80.4	76	78.0	1.9	1	15.0	5.40	38.1	199	94.8	43	257	35
4322	Bozeman, MT	1094	2	37.5	91.4	80	77.0	1.3	1	14.8	4.44	31.0	167	78.6	250	175	28
4323	Bozeman, MT	1095	2	38.8	92	82	76.7	1.4	1	13.1	3.76	29.5	145	64.2	451	131	28
4324	Bozeman, MT	1096	2	35.3	84	90	79.1	1.8	1	14.7	5.56	40.4	203	59.7	61	249	44
4325	Bozeman, MT	1097	2	35.8	89.1	81	76.6	1.5	1	13.6	3.84	28.4	112	54.8	365	141	16
4326	Bozeman, MT	1098	2	35.3	78.4	81	74.4	1.4	1	15.7	4.26	28.9	217	61.0	301	158	19
4327	Bozeman, MT	1099	2	37.3	85.2	82	76.9	1.4	1	14.0	4.01	29.3	181	70.6	245	154	22
4328		HARRINGTON MALT CHECK	2	39.6	96	76	82.9	2.1	1	11.6	5.22	46.6	116	87.5	100	218	64
4329	Bozeman, MT	1101	2	35.9	85.6	82	75.9	1.4	1	14.2	4.13	30.7	166	67.6	303	133	22
4330	Bozeman, MT	1102	2	37.3	82.7	81	75.1	1.4	1	14.8	3.92	27.8	175	63.7	352	149	16
4331	Bozeman, MT	1103	2	35.0	89.7	92	75.7	1.4	1	15.0	4.40	30.2	208	63.1	226	173	22
4332	Bozeman, MT	1104	2	37.5	90.8	87	78.8	2.1	1	14.6	6.06	42.9	206	85.2	41	259	42
4333	Bozeman, MT	1105	2	35.7	87.4	83	78.9	2.2	1	13.7	5.38	39.8	204	83.8	52	249	42
4334		HARRINGTON MALT CHECK	2	39.1	96.6	75	82.5	2.2	1	11.5	5.35	47.6	117	79.3	108	250	55
4335	Bozeman, MT	1108	2	35.7	83.5	86	75.0	1.3	1	14.6	4.27	29.8	209	63.6	317	173	19
4336	Bozeman, MT	1109	2	33.1	84.2	86	77.6	2.3	1	15.4	5.57	36.8	180	92.0	45	294	35
4337	Bozeman, MT	1110	2	34.3	86.7	79	75.2	2.0	1	15.9	4.48	28.7	92	59.9	234	183	22
4338	Bozeman, MT	1111	2	36.2	90.9	72	76.4	2.1	1	14.9	4.27	29.6	96	55.9	384	183	20
4339	Bozeman, MT	1112	2	35.5	88.9	72	76.0	1.4	1	15.0	4.34	29.8	169	62.9	266	165	22
4340	Bozeman, MT	1114	2	32.3	80.2	84	74.7	3.1	1	15.1	4.20	28.7	200	52.7	447	163	19
4341	Bozeman, MT	1115	2	36.3	84.4	80	77.9	2.4	1	14.3	6.47	45.6	177	86.7	65	297	33
4342	Bozeman, MT	1116	2	38.8	91.7	74	77.8	2.6	1	14.8	4.94	34.0	161	47.9	54	220	39
4343	Bozeman, MT	1117	2	33.6	83.8	81	78.0	1.7	1	15.6	5.90	38.0	194	74.8	65	257	35
4344	Bozeman, MT	1119	2	34.7	84.4	89	76.9	2.4	1	15.7	7.14	46.1	220	80.7	37	300	33
4345	Bozeman, MT	1120	2	40.7	96.5	79	79.1	2.3	1	14.2	6.84	48.4	240	92.4	36	309	41
4346		HARRINGTON MALT CHECK	2	39.4	96.6	74	82.8	1.9	1	12.0	5.27	47.9	124	81.4	90	253	62

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4347	Bozeman, MT	1121	2	37.0	88.6	79	78.1	2.2	1	14.9	5.56	37.4	215	45.5	52	220	39
4348	Bozeman, MT	1122	2	37.2	89	80	76.9	1.5	1	15.2	5.33	35.3	231	70.0	96	199	38
4349	Bozeman, MT	1123	2	36.3	88.3	79	76.8	1.8	1	15.3	6.47	42.9	259	85.3	33	270	36
4350	Bozeman, MT	1124	2	33.4	86.1	79	75.6	1.4	1	14.3	4.09	28.9	97	50.3	476	138	15
4351	Bozeman, MT	1125	2	37.9	89.4	73	75.9	2.7	2	13.9	3.80	28.8	166	54.3	427	140	18
4352	Bozeman, MT	1126	2	34.8	82.9	85	74.8	2.2	2	14.5	3.75	26.6	182	51.1	264	143	15
4353	Bozeman, MT	1127	2	35.3	88.4	80	77.3	2.4	1	15.8	5.74	37.0	216	86.2	39	284	34
4354	Bozeman, MT	1128	2	35.7	85.1	82	74.7	2.1	2	15.1	4.23	28.5	190	56.8	171	152	21
4355	Bozeman, MT	1129	2	37.0	91.6	83	78.2	2.2	1	14.5	5.56	38.5	202	95.3	42	246	44
4356	Bozeman, MT	1130	2	33.6	87.9	88	77.7	2.1	1	15.2	5.73	38.4	209	99.6	41	276	34
4357	Bozeman, MT	1131	2	33.2	68.8	83	74.3	1.8	1	13.7	3.57	26.6	110	46.9	525	131	10
4358		HARRINGTON MALT CHECK	2	40.7	96.2	75	82.2	2.0	1	11.3	4.68	43.2	125	91.2	85	218	69
4359	Bozeman, MT	1133	2	36.5	87.4	85	77.0	1.7	1	14.9	5.36	37.2	207	91.6	69	231	38
4360	Bozeman, MT	1134	2	37.7	82.5	89	77.9	1.8	1	14.3	4.79	35.7	197	102.0	145	237	31
4361	Bozeman, MT	1135	2	36.9	91.3	75	76.1	1.3	1	15.0	3.84	26.5	185	64.8	254	148	21
4362	Bozeman, MT	1136	2	34.2	78.4	87	76.1	1.8	1	15.4	5.23	35.1	255	84.5	58	228	35
4363	Bozeman, MT	1137	2	34.5	82.2	82	75.2	1.4	1	14.5	4.06	28.2	206	70.3	118	140	22
4364	Bozeman, MT	1139	2	38.3	89.8	77	77.6	2.0	1	14.9	4.84	34.4	204	80.9	37	212	40
4365		HARRINGTON MALT CHECK	2	39.4	95.6	75	82.3	2.3	1	11.5	4.59	42.5	106	85.4	71	231	64
4366	Bozeman, MT	1141	2	34.3	82.9	88	77.8	1.8	1	15.2	5.01	33.9	217	61.3	47	208	35
4367	Bozeman, MT	1142	2	39.8	93.1	79	77.3	2.8	1	14.9	6.56	44.5	209	83.9	39	257	40
4368	Bozeman, MT	1143	2	35.2	86.4	71	74.6	2.0	2	15.4	4.32	28.6	200	64.6	129	148	24
4369	Bozeman, MT	1144	2	40.4	91.3	83	76.0	1.6	1	13.8	4.02	29.5	182	64.9	386	137	28
4370	Bozeman, MT	1145	2	39.0	94.3	80	76.3	1.3	1	14.5	4.03	28.2	201	65.2	197	140	26
4371	Bozeman, MT	1146	2	38.9	92.3	77	77.6	2.6	1	15.3	5.27	36.3	190	47.7	42	202	39
4372	Bozeman, MT	1147	2	37.4	91.7	79	75.4	2.0	2	14.7	3.89	26.6	196	57.4	151	130	20
4373	Bozeman, MT	1148	2	36.6	87.1	82	74.9	1.5	1	16.0	5.09	32.5	210	72.9	107	202	34
4374	Bozeman, MT	1149	2	36.1	85.5	86	75.3	1.3	1	14.7	3.80	26.3	151	63.3	310	145	19
4375	Bozeman, MT	1151	2	35.1	82.1	81	75.4	2.2	1	15.5	6.24	41.1	251	87.2	39	247	33
4376	Bozeman, MT	1152	2	37.2	87.1	82	76.9	2.0	1	14.4	4.85	34.4	174	50.0	42	197	35
4377		HARRINGTON MALT CHECK	2	39.9	95.5	76	82.0	2.4	1	11.4	5.06	47.3	105	86.0	85	228	59
4378	Bozeman, MT	1154	2	34.5	79.5	81	75.3	2.5	1	15.4	6.21	40.8	271	86.6	39	251	33
4379		HARRINGTON MALT CHECK	2	39.9	97	76	81.6	2.3	1	11.5	4.60	43.5	113	88.3	88	214	64
4380	Bozeman, MT	1156	2	34.4	82	81	73.9	1.6	1	14.7	3.75	26.3	190	44.9	308	127	13
4381	Bozeman, MT	1157	2	37.4	91.1	75	74.7	2.0	2	15.5	3.81	25.5	119	62.1	272	131	17
4382	Bozeman, MT	1158	2	37.3	92.4	81	74.8	2.7	2	14.2	3.62	25.5	186	53.7	244	111	20
4383	Bozeman, MT	1159	2	37.7	90.8	82	76.2	1.6	1	13.2	3.45	27.2	165	51.4	195	116	26
4384	Bozeman, MT	1160	2	38.6	89.8	86	76.3	1.6	1	12.6	3.35	27.5	87	55.7	170	127	24
4385	Bozeman, MT	1161	2	29.4	66.4	82	75.1	2.5	1	16.7	6.36	39.2	291	95.5	51	285	28
4386	Bozeman, MT	1162	2	32.9	75.9	86	74.8	2.2	1	16.7	5.46	33.4	273	98.4	51	243	35
4387	Bozeman, MT	1163	2	32.4	69.3	71	71.8	2.2	2	15.9	3.59	22.8	82	48.7	422	130	5
4388	Bozeman, MT	1165	2	33.7	81.7	85	74.4	2.0	1	16.7	6.04	36.4	261	95.9	39	234	28
4389	Bozeman, MT	1166	2	30.6	72.6	89	75.1	2.0	1	17.1	5.61	33.4	240	100.1	40	226	31

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4390	Bozeman, MT	1167	2	33.7	76.8	79	73.7	1.5	1	15.6	3.82	24.5	199	46.6	223	134	13
4391	Bozeman, MT	1168	2	35.0	84.3	90	74.1	1.6	1	14.0	3.31	24.7	119	52.5	541	112	13
4392	Bozeman, MT	1169	2	32.3	78.9	97	73.1	1.5	1	15.7	4.32	28.0	241	69.5	276	153	19
4393	Bozeman, MT	1170	2	35.0	84.9	80	77.7	2.7	1	15.5	6.33	41.0	230	88.7	39	273	33
4394	Bozeman, MT	1171	2	31.9	57.2	83	71.3	1.8	2	15.9	3.58	22.9	133	41.7	552	122	12
4395	Bozeman, MT	1172	2	29.4	70.4	86	74.5	1.9	1	17.1	5.56	33.3	317	100.3	46	262	35
4396	Bozeman, MT	1173	2	32.9	78.3	82	74.4	2.1	1	16.7	5.90	35.7	274	100.0	43	258	31
4397	Bozeman, MT	1174	2	33.4	74.8	85	73.3	1.7	1	15.3	4.17	27.4	194	69.6	273	160	19
4398	Bozeman, MT	1176	2	33.7	83.2	79	75.0	1.5	1	15.7	4.20	28.0	228	60.8	92	165	26
4399	Bozeman, MT	1177	2	33.1	82.2	86	75.5	3.3	1	16.1	6.70	41.6	260	93.4	40	286	33
4400	Bozeman, MT	1178	2	36.8	87.9	81	76.0	1.3	1	15.2	4.51	30.0	199	74.2	74	162	33
4401	Bozeman, MT	1179	2	35.6	85.6	84	75.1	1.4	1	15.4	4.75	31.2	194	70.5	99	166	33
4402	Bozeman, MT	1180	2	36.6	83.7	84	74.7	1.4	1	16.2	4.52	28.8	185	66.9	115	152	26
4403	Bozeman, MT	1181	2	36.0	84.9	84	74.7	1.9	1	17.1	6.01	36.9	253	82.6	41	225	28
4404	Bozeman, MT	1182	2	30.4	49.3	88	75.0	1.9	1	16.2	5.29	33.2	229	100.9	44	243	35
4405	Bozeman, MT	1183	2	31.7	81.1	82	73.0	2.2	2	15.4	4.04	26.4	189	58.3	499	127	18
4406	Bozeman, MT	1184	2	34.1	83.2	86	74.7	1.4	1	15.0	4.50	30.1	231	75.5	207	177	23
4407	Bozeman, MT	1185	2	34.1	78.8	91	74.0	1.4	1	14.6	3.70	25.9	197	58.8	546	130	16
4408		HARRINGTON MALT CHECK	2	39.8	96.3	74	81.8	2.1	1	11.1	4.81	45.3	115	81.6	154	214	57
4409	Bozeman, MT	1186	2	35.6	89.3	78	75.1	2.3	2	14.0	3.53	25.7	163	53.5	401	120	18
4410	Bozeman, MT	1187	2	35.5	86.7	83	77.5	2.0	1	14.2	5.03	35.6	212	95.4	48	225	38
4411	Bozeman, MT	1189	2	36.5	78.1	73	75.1	1.9	1	14.4	4.40	31.3	184	77.1	94	168	30
4412	Bozeman, MT	1190	2	41.3	93.5	72	78.1	2.7	1	14.6	6.10	41.9	198	56.9	42	225	46
4413	Bozeman, MT	1191	2	32.3	76.2	78	76.3	2.1	1	14.4	5.27	36.8	243	90.6	46	241	35
4414	Bozeman, MT	1192	2	32.3	75.9	90	77.6	2.2	1	14.5	5.29	36.8	172	88.4	43	207	35
4415	Bozeman, MT	1193	2	40.1	95.5	71	79.5	2.5	1	12.4	5.02	41.0	139	68.1	40	205	66
4416	Bozeman, MT	1194	2	37.8	91.6	81	77.3	1.4	1	12.9	3.81	31.6	120	72.3	312	142	28
4417	Bozeman, MT	1195	2	34.5	83.4	79	78.4	2.0	1	13.4	5.38	40.4	208	93.2	39	254	49
4418	Bozeman, MT	1197	2	37.1	88.1	77	77.2	1.5	1	12.5	3.42	29.3	129	52.4	297	114	29
4419		HARRINGTON MALT CHECK	2	40.0	96.3	75	82.2	2.4	1	11.6	4.91	45.1	110	84.6	91	217	64
4420	Bozeman, MT	1199	2	36.3	90.9	73	76.5	1.5	1	13.0	3.69	29.4	151	65.1	121	133	29
4421	Bozeman, MT	1200	2	40.5	96.1	73	82.0	2.3	1	11.7	4.72	42.0	112	84.9	71	227	66
4422	Bozeman, MT	1201	2	33.0	91.8	81	78.4	2.2	1	14.0	5.41	41.0	193	87.3	43	249	49
4423	Bozeman, MT	1203	2	35.5	89.4	80	76.4	1.9	1	14.2	5.05	36.8	207	87.7	74	235	38
4424	Bozeman, MT	1204	2	39.6	90.2	82	78.4	2.0	1	13.7	4.98	37.9	208	84.3	42	242	46
4425	Bozeman, MT	1205	2	34.4	90.5	84	74.9	1.5	2	13.9	3.82	28.4	204	61.5	272	150	20
4426	Bozeman, MT	1206	2	38.4	92.8	79	77.4	1.4	1	13.8	3.93	29.7	149	69.7	202	168	23
4427	Bozeman, MT	1207	2	37.8	89.7	75	75.4	1.4	1	13.9	4.04	29.9	178	68.3	209	158	22
4428	Bozeman, MT	1208	2	39.3	96	72	82.1	2.3	1	11.2	4.85	45.3	105	78.9	175	239	57
4429	Bozeman, MT	1209	2	37.4	92	71	78.0	2.0	1	14.0	4.79	35.2	221	69.8	43	219	40
4430	Bozeman, MT	1210	2	38.4	95.2	66	76.7	2.0	2	14.2	3.74	27.8	207	63.1	212	134	22
4431	Bozeman, MT	1211	2	38.7	91.3	88	76.0	1.4	1	13.2	3.46	27.1	107	52.5	492	141	25
4432	Bozeman, MT	1212	2	35.6	91.7	84	78.2	2.3	1	12.9	4.42	36.9	150	66.2	78	181	52

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4433	Bozeman, MT	1213	2	39.3	96.5	76	82.1	2.2	1	11.2	5.11	47.1	131	90.2	79	223	62
4434	Bozeman, MT	1214	2	40.3	96.6	75	82.3	2.2	1	11.2	5.22	48.1	128	89.3	74	266	64
4435	Bozeman, MT	1215	2	38.3	93.9	80	76.3	n.d.	3	13.4	3.86	29.8	158	58.3	197	151	26
4436	Bozeman, MT	1216	2	37.4	94.9	87	78.8	3.1	1	13.6	6.11	46.1	208	93.5	41	303	42
4437	Bozeman, MT	1217	2	37.6	91.1	80	77.3	1.6	1	14.1	4.04	30.6	170	66.7	131	161	27
4438	Bozeman, MT	1218	2	33.9	85.6	88	77.5	2.1	1	14.2	5.53	40.3	247	85.9	70	274	43
4439		HARRINGTON MALT CHECK	2	39.8	96.5	74	82.3	2.4	1	11.7	5.25	47.4	121	88.8	68	237	62
4440	Bozeman, MT	1219	2	39.4	95	73	82.3	2.4	1	11.5	5.00	45.3	119	86.4	87	263	64
4441	Bozeman, MT	1220	2	34.3	84.1	80	76.1	1.7	1	12.9	4.08	31.8	153	62.3	453	159	29
4442	Bozeman, MT	1221	2	39.7	96.1	73	82.2	2.3	1	11.2	4.85	45.2	119	82.9	121	234	60
4443	Bozeman, MT	1222	2	39.0	94.9	76	78.5	2.4	1	14.6	6.01	42.1	219	91.4	42	289	44
4444	Bozeman, MT	1223	2	32.2	85.2	83	76.6	2.0	1	13.3	4.69	36.1	185	83.7	152	244	36
4445	Bozeman, MT	1225	2	37.7	89.1	82	77.1	1.7	1	13.4	3.77	29.3	162	70.1	326	148	24
4446	Bozeman, MT	1226	2	38.5	88.4	79	76.2	1.8	1	14.8	4.74	33.9	173	82.4	420	217	33
4447	Bozeman, MT	1227	2	39.9	95.7	72	81.6	2.1	1	11.4	4.91	45.0	118	88.8	142	235	60
4448	Bozeman, MT	1228	2	32.0	72.5	78	76.6	2.2	1	14.9	6.04	40.8	235	98.3	44	268	33
4449	Bozeman, MT	1230	2	38.1	93.8	74	76.5	1.7	1	14.7	4.59	32.4	176	70.4	188	181	33
4450	Bozeman, MT	1231	2	39.9	96.4	72	82.0	2.4	1	11.6	5.14	47.6	108	83.9	144	223	55
4451	Bozeman, MT	1232	2	39.1	95.8	73	82.1	2.4	1	11.3	5.18	47.9	110	81.8	133	226	55
4452	Bozeman, MT	1233	2	38.7	91.4	79	76.9	1.8	1	13.7	4.16	32.5	165	67.1	201	154	26
4453	Bozeman, MT	1234	2	36.1	89.2	81	78.9	2.0	1	13.9	5.44	40.7	209	96.6	58	261	47
4454	Bozeman, MT	1235	2	32.9	89.3	82	78.1	2.0	1	14.7	5.61	40.1	233	102.9	52	259	43
4455	Bozeman, MT	1236	2	39.8	95.9	73	82.0	2.3	1	11.6	5.22	46.7	121	86.9	182	241	60
4456	Bozeman, MT	1237	2	32.2	72.4	87	77.7	2.0	1	15.0	5.02	34.0	175	99.2	71	223	35
4457	Bozeman, MT	1238	2	39.7	95.7	75	81.6	2.4	1	11.7	4.83	43.8	113	84.0	158	228	57
4458	Bozeman, MT	1239	2	36.3	88.5	80	75.8	1.6	1	13.6	3.84	29.1	152	60.0	419	144	19
4459	Bozeman, MT	1240	2	35.5	93.6	72	75.3	1.8	1	15.1	4.24	29.5	121	67.9	301	168	24
4460	Bozeman, MT	1242	2	35.2	87.4	85	76.8	1.9	1	14.7	5.18	36.0	258	79.8	78	233	38
4461	Bozeman, MT	1243	2	35.1	89.2	85	77.1	2.4	1	15.1	5.83	39.3	178	89.3	58	258	34
4462	Bozeman, MT	1246	2	34.7	87.6	79	76.4	2.0	1	15.1	5.26	35.2	219	88.2	40	247	38
4463	Bozeman, MT	1247	2	34.8	89.7	81	76.6	1.6	1	13.4	3.92	29.9	151	46.8	220	126	21
4464	Bozeman, MT	1248	2	35.4	86	80	76.5	1.8	1	13.9	4.73	34.6	188	71.9	219	197	31
4465	Bozeman, MT	1249	2	36.7	87.5	82	76.0	1.8	1	13.7	4.66	34.9	187	64.9	221	196	31
4466	Bozeman, MT	1250	2	37.2	93	71	76.4	1.4	2	13.9	3.81	28.1	184	67.1	289	138	20
4467	Bozeman, MT	1251	2	36.0	88.2	85	79.0	2.7	1	14.7	4.02	28.8	204	71.2	517	147	26
4468	Bozeman, MT	1252	2	33.5	84.4	92	76.0	1.8	1	14.6	5.37	38.6	235	75.7	79	227	35
4469	Bozeman, MT	1253	2	37.1	91	79	78.6	2.2	1	14.1	5.54	41.0	172	97.6	63	252	49
4470		HARRINGTON MALT CHECK	2	40.0	96.5	76	81.4	2.2	1	11.3	5.01	45.9	116	98.9	114	222	60
4471	Bozeman, MT	1254	2	36.0	87.2	82	77.9	2.0	1	14.5	5.48	39.0	241	77.8	41	224	38
4472	Bozeman, MT	1255	2	37.6	93.1	83	76.4	1.5	1	14.8	4.52	31.1	200	76.5	155	169	28
4473	Bozeman, MT	1256	2	36.9	93.9	83	76.3	2.6	2	13.5	3.60	28.8	141	59.1	385	122	25
4474	Bozeman, MT	1257	2	33.4	88.6	83	78.3	2.9	1	13.6	6.39	49.3	206	105.8	40	282	35
4475	Bozeman, MT	1258	2	40.0	94.3	86	76.5	1.5	1	12.8	3.99	32.5	157	70.1	305	138	35

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4476	Bozeman, MT	1259	2	35.7	89.6	79	79.4	2.2	1	13.1	5.33	41.6	200	101.7	60	219	55
4477	Bozeman, MT	1260	2	32.8	75.5	88	77.5	1.9	1	14.5	4.90	35.3	206	116.1	41	197	35
4478	Bozeman, MT	1261	2	35.9	88.2	76	75.7	1.5	1	13.3	3.81	30.7	151	69.1	246	115	24
4479	Bozeman, MT	1262	2	35.3	90.1	85	75.3	1.6	1	13.2	3.40	27.0	151	57.0	444	111	26
4480	Bozeman, MT	1263	2	36.7	88.6	85	77.3	2.1	1	14.8	6.09	41.9	237	90.3	41	229	36
4481	Bozeman, MT	1264	2	34.6	85	87	76.0	1.4	1	14.1	3.87	28.6	188	59.5	164	135	19
4482	Bozeman, MT	1265	2	38.4	93.6	81	77.3	1.8	1	13.2	3.72	29.2	73	61.5	207	118	21
4483	Bozeman, MT	1266	2	37.1	88.9	77	77.4	1.6	1	12.8	3.38	28.5	134	53.2	331	110	29
4484	Bozeman, MT	1267	2	38.7	96.5	67	76.7	2.5	2	14.5	3.96	28.5	95	55.6	236	130	15
4485	Bozeman, MT	1268	2	38.0	94.5	79	77.1	2.0	1	13.6	4.02	30.0	154	63.1	156	130	24
4486	Bozeman, MT	1269	2	39.2	96.5	74	81.6	2.7	1	11.4	4.78	42.8	104	83.8	122	209	60
4487	Bozeman, MT	1270	2	38.8	92.1	80	77.1	1.4	1	14.1	3.90	28.6	147	59.2	182	122	23
4488	Bozeman, MT	1271	2	32.3	82.7	85	74.2	1.5	1	14.1	3.69	26.5	165	52.5	414	121	16
4489	Bozeman, MT	1272	2	36.2	88.4	84	74.6	1.4	1	14.5	3.86	27.1	175	54.9	322	134	19
4490	Bozeman, MT	1273	2	40.7	94.4	81	76.9	1.8	1	13.0	3.39	27.0	169	53.1	176	115	35
4491	Bozeman, MT	1274	2	39.8	95.6	74	82.1	2.4	1	11.5	4.69	42.6	99	50.5	126	218	56
4492	Bozeman, MT	1276	2	33.0	61.4	84	72.4	2.1	1	15.0	3.34	23.5	100	81.5	629	115	9
4493	Bozeman, MT	1277	2	38.5	94.1	84	77.4	1.9	1	13.3	3.88	31.0	101	37.5	181	141	18
4494	Bozeman, MT	1279	2	38.9	95.2	73	76.8	2.1	1	14.0	3.89	29.4	153	57.5	134	141	26
4495	Bozeman, MT	1281	2	37.9	95	82	76.2	2.5	2	13.1	3.32	27.2	85	57.9	388	109	18
4496	Bozeman, MT	1284	2	39.1	95.9	75	81.8	2.4	1	11.6	4.75	44.8	123	45.8	109	251	60
4497	Bozeman, MT	1285	2	36.7	93.7	78	77.4	1.5	1	12.7	3.49	29.8	98	80.6	120	148	27
4498	Bozeman, MT	1286	2	39.6	93.9	76	76.6	1.3	1	13.3	3.80	29.6	147	55.9	130	141	31
4499	Bozeman, MT	1289	2	39.6	89.3	82	76.0	1.7	1	13.6	3.73	28.0	148	56.4	340	162	21
4500	Bozeman, MT	1290	2	37.8	93.9	79	76.3	1.4	1	13.5	3.60	28.2	102	55.7	152	129	18
4501		HARRINGTON MALT CHECK	2	39.1	95.1	76	81.9	2.0	1	11.7	4.80	44.1	122	88.7	107	242	63
4502	Bozeman, MT	1291	2	36.7	90.1	83	78.7	2.2	1	13.6	5.10	39.6	172	92.6	44	237	44
4503	Bozeman, MT	1292	2	34.4	85.3	80	78.2	2.1	1	13.8	5.15	39.2	234	88.7	38	245	42
4504	Bozeman, MT	1293	2	34.8	73	80	73.5	2.1	1	14.4	3.29	23.8	112	38.8	559	129	6
4505	Bozeman, MT	1294	2	41.0	94.1	90	77.5	1.7	1	14.2	4.50	32.3	166	79.7	110	234	40
4506	Bozeman, MT	1295	2	37.2	91.1	83	77.0	1.7	1	14.2	4.61	33.9	229	74.6	45	233	40
4507	Bozeman, MT	1296	2	40.5	94.2	87	79.3	1.8	1	12.8	4.40	35.8	151	82.9	54	226	54
4508	Bozeman, MT	1297	2	36.7	85.9	76	76.2	1.2	1	14.6	3.96	28.6	218	51.9	119	144	22
4509	Bozeman, MT	1298	2	34.5	85.7	83	77.2	2.3	1	13.8	5.47	41.8	185	97.8	50	263	43
4510	Bozeman, MT	1299	2	35.2	86.2	91	76.5	1.7	1	14.7	4.85	33.8	242	74.3	65	213	38
4511	Bozeman, MT	1300	2	33.3	87.1	88	75.4	1.4	1	13.9	3.78	28.7	191	58.6	301	147	19
4512	Bozeman, MT	1301	2	36.8	92.1	79	76.9	1.4	1	13.3	3.14	24.7	138	47.2	411	110	23
4513	Bozeman, MT	1302	2	38.6	90.4	88	78.0	1.8	1	14.5	5.37	38.5	231	93.4	47	249	46
4514	Bozeman, MT	1303	2	36.2	88.2	86	75.8	1.4	1	13.4	3.53	26.7	90	55.1	229	126	17
4515	Bozeman, MT	1304	2	39.4	96.1	73	81.7	2.0	1	11.3	4.81	44.9	117	85.4	70	237	64
4516	Bozeman, MT	1305	2	39.7	96	74	81.6	2.0	1	11.8	5.04	44.9	111	87.5	80	244	64
4517	Bozeman, MT	1306	2	35.1	89.3	84	75.5	1.4	1	13.6	3.72	28.8	155	53.8	239	130	19
4518	Bozeman, MT	1307	2	39.9	95.6	74	82.1	2.0	1	11.2	4.55	41.0	115	87.0	95	239	64

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4519	Bozeman, MT	1308	2	35.4	86.8	92	78.7	2.2	1	14.3	5.13	36.9	194	60.8	43	257	42
4520	Bozeman, MT	1309	2	32.7	66.5	82	73.2	1.9	1	14.1	3.60	25.8	109	36.4	507	105	6
4521	Bozeman, MT	1310	2	37.9	91.7	86	77.2	2.0	1	14.7	4.86	34.2	173	68.6	62	215	40
4522	Bozeman, MT	1311	2	40.1	95.7	74	81.4	2.0	1	11.5	4.68	42.7	117	85.8	80	246	66
4523	Bozeman, MT	1312	2	39.0	92.6	80	75.4	1.4	1	14.6	4.49	31.9	219	59.9	153	169	30
4524	Bozeman, MT	1313	2	34.2	88.7	86	77.0	2.0	1	13.6	5.74	42.5	201	94.3	46	252	39
4525	Bozeman, MT	1314	2	32.1	77	83	77.2	2.0	1	14.8	5.72	40.4	251	84.8	49	256	36
4526	Bozeman, MT	1316	2	37.6	90.2	81	76.6	1.3	1	14.5	4.32	30.9	204	69.6	171	177	24
4527	Bozeman, MT	1317	2	36.4	92	80	76.1	2.3	2	13.9	4.12	29.7	95	63.9	216	164	16
4528	Bozeman, MT	1318	2	32.4	85.2	74	74.0	2.6	2	15.4	3.96	27.0	155	47.2	368	138	15
4529	Bozeman, MT	1319	2	35.1	89.8	92	78.2	1.9	1	14.3	6.07	42.3	227	91.3	44	254	40
4530	Bozeman, MT	1321	2	36.1	85.7	88	75.9	1.3	1	13.9	4.15	30.4	171	59.9	306	172	22
4531	Bozeman, MT	1323	2	38.7	93.1	87	76.5	1.6	1	12.1	4.01	33.4	157	66.5	197	144	36
4532		HARRINGTON MALT CHECK	2	39.0	96.4	74	81.3	2.4	1	11.2	5.00	46.5	110	81.8	133	252	60
4533	Bozeman, MT	1324	2	38.9	92.7	79	77.0	1.4	1	13.2	4.06	31.7	200	55.2	102	161	34
4534	Bozeman, MT	1325	2	37.3	92.6	80	82.1	2.5	1	12.9	4.86	39.9	111	84.3	125	259	53
4535	Bozeman, MT	1326	2	39.9	95.7	76	78.5	1.8	1	11.2	4.08	38.9	159	60.3	84	186	50
4536	Bozeman, MT	1327	2	30.7	80.5	86	77.5	2.2	1	14.2	6.50	46.1	241	94.2	48	310	33
4537	Bozeman, MT	1328	2	39.0	93.6	82	78.2	1.9	1	12.8	4.40	35.0	146	75.0	146	178	47
4538	Bozeman, MT	1331	2	31.2	81.9	88	74.6	1.7	1	13.3	3.96	30.8	199	59.4	527	146	21
4539	Bozeman, MT	1332	2	37.2	91.3	82	76.1	n.d.	3	12.5	3.81	30.5	166	59.9	372	131	29
4540	Bozeman, MT	1333	2	34.3	87.7	87	76.2	1.9	1	13.0	3.45	27.3	132	49.4	340	119	21
4541	Bozeman, MT	1334	2	37.4	91.4	83	76.9	1.5	1	13.7	4.23	31.4	196	68.5	265	154	24
4542	Bozeman, MT	1335	2	37.3	88.8	83	77.3	2.1	1	13.9	5.62	41.0	193	71.8	68	231	39
4543	Bozeman, MT	1336	2	39.6	96.4	75	81.7	2.5	1	11.7	4.62	40.1	120	83.0	114	208	60
4544	Bozeman, MT	1338	2	37.5	88.9	81	76.3	1.5	1	13.3	3.92	30.0	172	69.4	274	153	24
4545	Bozeman, MT	1339	2	39.2	92.4	88	77.5	1.7	1	13.3	4.34	33.6	156	64.6	114	182	37
4546	Bozeman, MT	1341	2	32.8	88.1	82	77.2	2.2	1	14.4	6.42	45.2	231	83.8	44	278	36
4547	Bozeman, MT	1342	2	37.8	92.2	82	77.4	1.6	1	12.7	4.02	32.2	156	69.5	204	141	34
4548	Bozeman, MT	1343	2	38.1	88.9	88	75.4	1.5	1	13.6	3.96	30.3	183	55.5	347	138	21
4549	Bozeman, MT	1344	2	36.4	88.8	89	77.7	1.8	1	13.6	5.13	39.0	247	89.1	53	244	38
4550	Bozeman, MT	1345	2	38.2	92.9	79	76.8	1.5	1	12.8	3.58	28.9	180	59.7	342	131	33
4551	Bozeman, MT	1346	2	32.9	77	95	78.8	1.8	1	13.9	4.97	37.6	185	96.7	43	225	39
4552	Bozeman, MT	1347	2	32.6	89.3	83	73.7	2.8	2	14.7	3.83	27.6	173	49.1	244	141	15
4553	Bozeman, MT	1348	2	36.8	88.3	86	78.9	2.1	1	13.5	5.34	39.5	177	93.6	50	227	42
4554	Bozeman, MT	1349	2	37.6	94	83	78.6	1.9	1	14.5	5.33	38.9	223	83.9	42	235	44
4555	Bozeman, MT	1350	2	40.3	96.3	75	82.1	2.3	1	11.7	4.94	44.5	117	88.2	85	233	66
4556	Bozeman, MT	1351	2	32.8	84.8	88	77.9	1.8	1	14.5	4.65	32.7	181	77.8	74	229	35
4557	Bozeman, MT	1352	2	40.1	96.4	74	81.8	2.2	1	11.7	5.03	46.0	115	82.7	143	220	62
4558	Bozeman, MT	1354	2	36.2	85.7	82	77.0	2.1	1	15.2	6.54	43.2	242	88.8	43	272	36
4559	Bozeman, MT	1355	2	38.5	88.1	92	76.6	1.9	1	15.1	5.42	36.8	191	74.6	89	249	40
4560	Bozeman, MT	1356	2	35.5	83.7	84	74.9	1.6	1	14.2	3.73	26.2	195	57.5	272	145	16
4561	Bozeman, MT	1357	2	35.2	90.6	87	77.3	2.0	1	15.2	6.08	41.6	237	90.2	59	274	38

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4562	Bozeman, MT	1358	2	34.3	84.6	92	76.3	1.8	1	13.5	3.55	27.9	151	43.7	364	138	18
4563		HARRINGTON MALT CHECK	2	39.6	96.2	75	82.4	2.4	1	11.6	5.55	49.0	116	84.0	119	236	55
4564	Bozeman, MT	1359	2	36.4	83.6	84	76.4	1.4	1	14.5	4.25	30.3	178	69.1	293	167	19
4565	Bozeman, MT	1360	2	39.3	95.9	75	82.1	2.3	1	11.6	5.04	44.2	119	87.0	99	237	64
4566	Bozeman, MT	1361	2	31.3	80	91	74.4	1.5	1	14.8	4.44	30.2	199	71.0	435	173	23
4567	Bozeman, MT	1362	2	34.4	78.2	90	78.0	1.9	1	14.7	5.63	39.7	223	67.5	111	241	31
4568	Bozeman, MT	1363	2	36.4	86.5	87	77.7	2.1	1	13.6	5.58	43.9	174	92.8	24	228	43
4569	Bozeman, MT	1364	2	35.3	82.6	86	74.5	1.9	1	14.2	4.12	29.1	187	62.5	370	165	19
4570	Bozeman, MT	1365	2	33.6	79.4	84	77.4	2.3	1	14.6	5.56	40.3	242	94.6	20	256	40
4571	Bozeman, MT	1366	2	39.3	95.3	74	82.0	2.3	1	11.4	5.50	50.7	114	86.9	98	241	59
4572	Bozeman, MT	1367	2	36.8	89.5	75	75.2	2.2	1	15.3	4.38	29.7	129	64.2	232	163	22
4573	Bozeman, MT	1368	2	39.4	87.9	88	79.6	2.1	1	13.7	6.19	46.2	195	101.9	82	265	45
4574	Bozeman, MT	1369	2	35.1	85.8	83	74.7	1.4	1	15.1	4.61	31.1	232	74.0	267	184	29
4575	Bozeman, MT	1370	2	33.7	82.6	81	77.9	1.9	1	15.2	5.91	39.1	255	90.0	34	245	31
4576	Bozeman, MT	1372	2	31.2	85.5	84	77.4	2.5	1	15.3	5.60	38.0	202	93.5	23	252	38
4577	Bozeman, MT	1373	2	34.9	83.6	90	77.8	2.1	1	13.9	5.65	42.8	157	90.6	236	241	29
4578	Bozeman, MT	1374	2	35.1	85.7	84	78.9	2.5	1	13.7	5.51	40.8	165	75.2	28	233	47
4579	Bozeman, MT	1375	2	39.1	94.9	73	82.3	2.3	1	11.6	5.58	50.5	113	87.6	106	244	55
4580	Bozeman, MT	1377	2	33.9	83.3	91	76.0	1.5	1	14.0	4.29	31.6	190	65.0	149	164	22
4581	Bozeman, MT	1378	2	40.3	94.6	76	78.7	2.5	1	13.8	5.33	38.9	191	50.2	21	226	48
4582	Bozeman, MT	1379	2	37.4	91.9	70	76.7	2.7	2	13.8	4.49	34.7	167	58.2	372	158	27
4583	Bozeman, MT	1380	2	40.6	91	82	78.0	2.2	1	14.4	5.93	41.2	211	84.2	21	260	45
4584	Bozeman, MT	1381	2	36.0	90.6	83	75.7	2.3	2	14.2	3.95	29.6	146	53.8	454	138	20
4585	Bozeman, MT	1382	2	33.1	84.4	86	76.1	1.6	1	13.9	4.17	31.4	123	59.6	268	144	19
4586	Bozeman, MT	1383	2	35.2	88.2	83	75.4	1.8	1	13.4	3.96	30.2	158	57.1	492	127	24
4587	Bozeman, MT	1384	2	32.7	83.6	93	78.0	2.2	1	14.3	5.22	37.0	220	95.1	40	234	35
4588	Bozeman, MT	2001	2	34.1	83.1	85	78.6	2.4	1	13.4	6.03	46.3	170	94.9	40	248	42
4589	Bozeman, MT	2002	2	37.5	92.7	87	78.9	2.4	1	13.6	5.67	42.8	188	81.7	75	243	45
4590	Bozeman, MT	2003	2	35.1	90.5	82	78.0	2.5	1	14.7	7.27	49.3	205	92.8	21	285	33
4591	Bozeman, MT	2004	2	38.9	92.4	87	77.6	2.4	1	14.5	5.58	39.2	184	83.3	22	249	42
4592	Bozeman, MT	2005	2	38.0	94.4	79	77.0	1.8	1	12.5	3.77	31.7	152	60.1	241	133	31
4593	Bozeman, MT	2006	2	38.1	96.8	68	76.9	2.6	1	14.2	4.29	30.7	112	69.3	263	173	23
4594		HARRINGTON MALT CHECK	2	39.7	95.7	72	82.0	2.3	1	11.8	4.92	45.1	113	83.9	84	233	64
4595	Bozeman, MT	2007	2	34.4	87.5	87	78.8	2.7	1	14.1	7.41	53.1	192	90.7	24	275	35
4596	Bozeman, MT	2008	2	37.9	94	88	80.0	2.2	1	13.6	5.08	38.5	161	60.5	115	222	43
4597	Bozeman, MT	2009	2	36.8	92.2	81	76.8	1.5	1	14.1	4.36	32.3	156	66.0	248	158	24
4598	Bozeman, MT	2010	2	37.0	89.8	81	76.1	1.8	1	13.1	3.64	29.1	136	52.2	251	117	24
4599	Bozeman, MT	2011	2	32.6	79	85	76.8	3.0	1	14.3	5.47	39.9	189	88.9	38	269	35
4600	Bozeman, MT	2012	2	33.2	75.5	81	74.5	2.3	1	14.4	4.05	29.3	148	60.2	350	149	19
4601	Bozeman, MT	2013	2	35.1	88.1	87	77.8	2.3	1	13.4	5.44	40.9	185	91.2	56	232	48
4602	Bozeman, MT	2014	2	33.6	88.8	89	78.1	2.6	1	13.7	5.64	42.4	152	98.0	40	258	43
4603	Bozeman, MT	2015	2	35.9	87.3	84	76.2	1.6	1	14.5	3.86	28.2	127	64.8	232	138	19
4604	Bozeman, MT	2016	2	31.4	73.3	92	75.0	1.9	1	14.6	4.74	32.7	139	80.5	264	197	28

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4605	Bozeman, MT	2017	2	35.1	90.9	91	79.4	2.5	1	13.8	5.36	40.2	172	82.2	119	234	45
4606	Bozeman, MT	2018	2	36.6	91.5	90	76.8	2.6	1	14.4	5.64	39.4	233	73.9	49	243	36
4607	Bozeman, MT	2019	2	36.7	90.2	87	79.2	2.9	1	14.8	5.52	38.5	204	101.5	84	284	44
4608	Bozeman, MT	2020	2	31.9	82.2	86	75.0	1.6	1	14.0	3.42	24.7	114	52.2	326	125	13
4609	Bozeman, MT	2023	2	36.2	90.5	85	77.4	1.8	1	12.9	3.76	29.5	157	59.9	241	148	31
4610	Bozeman, MT	2024	2	37.2	90.1	84	77.3	1.6	1	13.5	3.57	28.5	145	60.8	316	127	26
4611	Bozeman, MT	2025	2	39.2	95.4	86	78.0	1.7	1	13.6	4.30	32.2	158	67.6	226	145	26
4612	Bozeman, MT	2026	2	39.8	96.4	71	78.9	2.8	1	14.8	5.36	37.2	175	53.9	71	216	46
4613	Bozeman, MT	2027	2	39.4	91.4	77	79.1	2.9	1	13.0	4.72	36.6	172	72.4	53	232	56
4614	Bozeman, MT	2028	2	31.8	83.4	88	78.3	2.5	1	13.4	5.29	41.2	191	91.1	66	235	49
4615	Bozeman, MT	2029	2	37.0	87.3	88	77.3	1.7	1	14.8	3.97	27.9	153	68.7	166	162	19
4616	Bozeman, MT	2030	2	33.1	87	92	75.1	1.4	1	14.2	3.41	24.3	191	56.5	249	133	19
4617	Bozeman, MT	2031	2	38.6	93.5	84	77.7	1.7	1	12.8	3.53	27.7	149	61.2	288	126	33
4618	Bozeman, MT	2032	2	34.2	74.9	80	74.7	1.9	1	13.6	3.53	26.2	95	36.5	578	129	2
4619	Bozeman, MT	2033	2	33.6	87.4	91	77.3	2.6	1	15.1	5.99	40.2	153	97.9	96	256	39
4620	Bozeman, MT	2034	2	34.2	84.1	77	77.9	2.4	1	15.1	5.73	38.3	204	71.1	43	227	31
4621	Bozeman, MT	2035	2	33.5	84.8	90	75.4	1.5	1	14.2	3.54	25.1	160	60.0	339	139	16
4622	Bozeman, MT	2036	2	38.4	90.8	83	77.6	2.3	1	14.9	5.15	34.7	200	71.8	73	242	42
4623	Bozeman, MT	2037	2	34.9	89.8	84	75.8	2.9	2	14.8	3.90	26.7	82	55.0	345	142	11
4624	Bozeman, MT	2038	2	33.3	82.6	86	74.2	1.8	1	14.3	3.56	26.0	155	58.4	505	142	16
4625		HARRINGTON MALT CHECK	2	39.4	96	75	82.3	2.4	1	11.3	5.00	45.2	119	86.2	93	235	64
4626	Bozeman, MT	2039	2	30.8	70.4	84	74.1	1.7	1	15.5	3.79	25.3	159	61.5	251	148	16
4627	Bozeman, MT	2040	2	33.9	87.9	81	74.8	1.7	1	15.1	3.99	26.5	200	59.3	394	156	19
4628	Bozeman, MT	2041	2	33.4	84.8	84	77.1	2.3	1	14.8	5.11	36.3	165	93.6	90	260	35
4629	Bozeman, MT	2042	2	36.6	89.4	87	75.8	1.7	1	14.1	3.68	27.0	140	58.6	459	149	19
4630	Bozeman, MT	2044	2	33.6	86.4	78	75.7	1.8	1	14.6	4.04	28.5	155	57.8	145	153	25
4631	Bozeman, MT	2045	2	36.3	92.2	87	78.3	2.7	1	14.3	5.67	39.8	157	71.8	76	234	40
4632	Bozeman, MT	2046	2	37.2	87.8	97	78.9	2.1	1	13.2	4.94	37.9	160	84.0	178	195	40
4633	Bozeman, MT	2047	2	31.5	77.9	94	74.9	1.9	1	14.1	3.67	27.3	136	47.6	375	129	13
4634	Bozeman, MT	2048	2	35.9	91.9	78	76.4	n.d.	3	13.3	3.23	24.7	137	52.6	544	111	24
4635	Bozeman, MT	2049	2	37.2	91.9	97	76.4	1.6	1	14.8	3.63	25.1	105	51.7	526	135	18
4636	Bozeman, MT	2050	2	33.1	83.7	93	75.7	1.6	1	13.9	4.26	31.1	187	65.5	147	153	22
4637	Bozeman, MT	2051	2	37.7	93.8	84	76.6	1.9	1	14.7	4.49	31.1	185	68.0	187	173	28
4638	Bozeman, MT	2052	2	37.1	90.2	88	76.7	2.5	1	14.4	5.45	38.1	239	86.0	42	255	40
4639	Bozeman, MT	2053	2	34.9	91	86	77.0	2.4	1	15.3	5.85	38.3	210	84.7	46	241	36
4640	Bozeman, MT	2054	2	33.3	84.6	90	77.5	2.3	1	14.1	5.11	36.3	206	88.6	50	244	35
4641	Bozeman, MT	2055	2	34.9	90.8	87	76.8	1.7	1	13.7	3.90	29.4	106	59.7	329	144	18
4642	Bozeman, MT	2056	2	37.5	94.3	91	78.5	2.6	1	13.4	5.78	41.8	178	75.5	100	251	50
4643	Bozeman, MT	2057	2	35.9	92.4	90	77.4	2.3	1	14.8	5.33	37.5	187	85.2	47	257	40
4644	Bozeman, MT	2058	2	38.5	92	94	77.7	1.5	1	13.2	3.71	29.6	138	62.0	214	140	28
4645	Bozeman, MT	2059	2	36.3	89.9	89	75.8	1.6	1	13.4	3.91	30.1	165	48.8	326	138	21
4646	Bozeman, MT	2060	2	39.4	94.1	81	79.7	2.7	1	12.9	5.42	43.5	172	66.3	44	220	64
4647	Bozeman, MT	2061	2	35.9	92.8	88	77.4	2.2	1	14.6	5.47	38.8	183	80.5	57	264	40

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4648	Bozeman, MT	2062	2	37.2	92.5	95	77.5	1.9	1	12.1	3.93	33.2	142	67.0	228	148	31
4649	Bozeman, MT	2063	2	35.8	92.4	86	75.9	2.4	2	13.4	3.97	30.4	150	56.1	264	120	25
4650	Bozeman, MT	2064	2	37.9	93.9	87	79.6	2.5	1	13.6	5.33	39.5	183	75.7	72	206	47
4651	Bozeman, MT	2065	2	36.3	92.1	89	76.6	1.7	1	14.8	4.49	31.0	179	71.5	244	156	28
4652	Bozeman, MT	2066	2	33.3	83.4	93	76.0	2.1	1	15.1	5.02	33.6	232	72.4	102	181	29
4653	Bozeman, MT	2067	2	35.7	87.8	83	76.5	1.7	1	13.8	4.25	31.1	192	55.8	187	139	22
4654	Bozeman, MT	2068	2	38.7	93.2	79	77.7	2.8	1	14.6	4.90	34.3	143	56.1	57	199	42
4655	Bozeman, MT	2069	2	33.9	84.3	90	77.8	3.0	1	13.9	5.53	40.5	186	73.9	42	260	40
4656		HARRINGTON MALT CHECK	2	40.3	96	76	82.4	2.4	1	11.0	4.91	45.7	109	88.8	93	214	61
4657	Bozeman, MT	2070	2	35.6	84.4	98	79.0	2.1	1	13.7	5.18	38.6	197	99.8	117	229	35
4658	Bozeman, MT	2071	2	38.4	92.7	87	76.9	1.6	1	14.2	3.70	27.6	135	72.0	209	122	23
4659	Bozeman, MT	2072	2	36.7	90.3	83	75.7	2.5	2	14.4	4.22	30.7	180	62.4	293	140	23
4660	Bozeman, MT	2073	2	36.3	89.6	90	79.0	2.4	1	14.4	5.35	38.9	165	84.7	100	233	42
4661	Bozeman, MT	2074	2	37.1	92.7	90	77.3	2.6	1	15.1	5.53	38.1	238	76.9	48	258	40
4662	Bozeman, MT	2075	2	31.3	87.7	90	72.7	n.d.	3	15.6	3.96	26.3	180	53.4	314	132	17
4663	Bozeman, MT	2076	2	35.2	86.5	88	78.1	2.9	1	15.4	5.26	34.9	168	75.3	67	226	42
4664	Bozeman, MT	2077	2	32.7	72.9	86	74.6	2.5	2	14.5	3.84	27.5	162	62.3	311	143	15
4665	Bozeman, MT	2078	2	36.1	87.4	90	75.8	1.6	1	14.0	3.98	29.5	166	67.8	269	131	19
4666	Bozeman, MT	2079	2	29.3	72.5	93	75.5	2.8	1	15.9	5.95	38.1	227	93.8	50	250	31
4667	Bozeman, MT	2080	2	34.4	87.6	84	77.7	3.0	2	15.4	5.37	36.2	174	64.0	43	190	37
4668	Bozeman, MT	2081	2	39.5	96	84	77.6	2.7	2	14.3	5.65	39.6	191	70.8	100	216	33
4669	Bozeman, MT	2082	2	36.4	91.4	87	78.1	2.7	2	13.8	5.12	37.8	202	87.5	67	216	43
4670	Bozeman, MT	2083	2	36.9	92.6	81	76.9	1.7	2	13.3	3.61	28.5	149	65.0	324	124	25
4671	Bozeman, MT	2084	2	38.2	93.7	89	77.7	1.5	1	14.0	3.86	28.1	157	68.2	216	151	23
4672	Bozeman, MT	2085	2	39.3	92.8	90	77.2	1.6	1	13.2	3.69	28.6	165	68.3	165	140	28
4673	Bozeman, MT	2086	2	35.8	91.6	87	78.4	2.5	1	14.0	5.06	37.4	155	85.0	46	248	44
4674	Bozeman, MT	2087	2	38.0	93	81	77.2	1.7	1	13.4	4.07	31.0	177	45.3	180	153	28
4675	Bozeman, MT	2088	2	39.2	95.7	88	78.3	1.8	1	12.7	3.77	31.2	154	59.2	183	158	37
4676	Bozeman, MT	2089	2	37.6	96.2	75	76.9	2.2	1	14.5	4.12	28.6	120	62.9	166	182	24
4677	Bozeman, MT	2090	2	32.3	84.9	94	78.2	3.0	1	14.6	5.75	38.2	207	94.3	42	262	35
4678	Bozeman, MT	2091	2	34.4	90.4	92	78.4	2.4	1	14.7	5.56	39.3	213	96.6	46	260	44
4679	Bozeman, MT	2092	2	38.3	95	89	77.8	1.6	1	13.3	3.94	30.6	142	70.4	174	148	28
4680	Bozeman, MT	2093	2	35.9	92.2	85	78.0	2.5	1	14.9	5.05	36.4	157	52.6	55	214	44
4681	Bozeman, MT	2095	2	36.8	92.9	80	77.3	3.5	2	12.8	3.74	31.5	154	61.7	540	146	30
4682	Bozeman, MT	2096	2	38.7	93.9	89	78.7	2.4	1	14.6	5.80	41.5	213	91.9	62	282	47
4683	Bozeman, MT	2097	2	36.9	90.4	85	80.3	2.5	1	13.0	4.60	36.1	158	70.3	55	221	52
4684	Bozeman, MT	2098	2	32.5	70.2	85	74.5	1.9	1	14.3	3.55	25.6	111	44.9	641	158	10
4685	Bozeman, MT	2099	2	37.6	92.9	88	77.9	1.7	1	13.0	3.49	28.9	146	58.6	278	105	31
4686	Bozeman, MT	2100	2	38.5	92.7	91	78.3	1.5	1	13.3	3.99	31.2	170	71.8	257	143	32
4687		HARRINGTON MALT CHECK	2	39.8	95.9	74	83.0	2.3	1	11.5	4.94	44.8	116	96.0	123	205	60
4688	Bozeman, MT	2101	2	38.3	93.5	90	77.2	1.6	2	13.2	3.83	29.1	119	55.7	430	132	24
4689	Bozeman, MT	2102	2	32.3	85.9	88	75.3	1.7	1	14.0	4.38	31.4	207	68.7	272	139	22
4690	Bozeman, MT	2103	2	36.9	88.9	78	76.8	2.4	2	14.4	4.00	27.9	95	65.7	281	138	14

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4691	Bozeman, MT	2104	2	33.7	87.6	84	78.2	2.4	1	14.6	5.52	38.0	212	85.9	45	189	40
4692	Bozeman, MT	2106	2	39.1	92.6	85	78.1	1.7	1	14.3	4.65	34.8	168	72.6	200	137	34
4693	Bozeman, MT	2107	2	39.9	94.1	92	77.7	2.8	1	14.4	6.00	44.4	183	81.0	139	228	39
4694	Bozeman, MT	2108	2	36.2	89.3	86	76.4	1.4	1	14.6	4.26	30.2	185	75.5	204	147	22
4695	Bozeman, MT	2109	2	36.4	89.1	78	78.3	2.5	1	14.7	5.44	39.0	198	48.5	56	194	39
4696	Bozeman, MT	2110	2	36.3	88.8	92	77.2	1.6	1	14.6	4.49	31.4	158	74.6	251	154	26
4697	Bozeman, MT	2111	2	33.5	89.3	96	77.1	2.1	1	14.1	4.97	35.8	199	74.7	167	164	26
4698	Bozeman, MT	2112	2	32.7	88.2	92	77.0	1.8	1	13.0	4.13	32.8	154	64.6	494	149	32
4699	Bozeman, MT	2113	2	37.9	93.6	86	77.5	1.7	1	14.3	4.78	35.1	196	72.9	225	165	28
4700	Bozeman, MT	2114	2	31.1	77.4	85	77.3	2.6	1	14.9	6.42	43.7	264	96.6	52	236	33
4701	Bozeman, MT	2115	2	34.6	86.2	87	76.6	1.9	1	13.0	3.75	29.1	145	57.5	361	133	24
4702	Bozeman, MT	2116	2	36.3	92.7	77	77.2	3.6	2	13.7	4.04	30.0	151	57.2	504	155	23
4703	Bozeman, MT	2117	2	31.0	75.5	96	77.5	2.5	1	14.9	5.24	36.9	156	96.0	51	243	35
4704	Bozeman, MT	2118	2	33.4	86.9	96	75.5	1.8	1	15.6	4.43	29.7	208	77.5	192	196	31
4705	Bozeman, MT	2119	2	36.2	91.5	82	77.8	2.3	1	14.9	5.86	39.6	240	92.9	45	304	36
4706	Bozeman, MT	2120	2	32.4	84.5	88	79.0	2.0	1	14.2	4.73	33.8	184	87.1	106	257	35
4707	Bozeman, MT	2121	2	33.7	84.6	96	79.1	2.2	1	14.3	5.16	37.3	205	66.4	131	260	35
4708	Bozeman, MT	2122	2	36.9	89.9	88	76.7	1.6	1	12.8	3.61	28.3	92	61.6	281	149	22
4709	Bozeman, MT	2123	2	32.8	73.4	92	77.7	2.3	1	14.2	5.35	39.2	189	98.2	69	291	35
4710	Bozeman, MT	2124	2	37.9	94.2	76	76.6	2.4	1	15.9	4.47	28.7	126	72.6	246	185	31
4711	Bozeman, MT	2126	2	35.9	87.5	80	78.2	2.3	1	15.6	5.35	36.4	178	62.9	56	193	42
4712	Bozeman, MT	2127	2	35.5	89.8	94	78.6	2.4	1	15.4	5.28	35.3	194	84.9	52	241	42
4713	Bozeman, MT	2128	2	34.9	91	86	79.2	2.7	1	13.2	5.07	39.1	160	78.1	42	239	49
4714	Bozeman, MT	2129	2	36.1	91	83	76.2	2.7	1	14.7	3.91	26.7	162	61.5	354	158	21
4715	Bozeman, MT	2130	2	34.4	88.9	86	76.7	1.5	1	15.1	3.89	26.6	189	65.7	236	160	19
4716	Bozeman, MT	2131	2	34.8	89.1	79	77.4	1.5	1	12.9	3.84	30.1	152	59.8	465	131	29
4717	Bozeman, MT	2132	2	36.8	90.8	76	76.5	2.1	1	15.1	3.49	24.0	194	53.8	302	128	21
4718		HARRINGTON MALT CHECK	2	39.6	95.8	76	82.3	2.1	1	12.0	4.90	42.5	110	87.9	103	262	60
4719	Bozeman, MT	2133	2	34.1	82.9	80	76.5	2.1	1	13.1	4.07	31.5	143	44.7	206	139	21
4720	Bozeman, MT	2134	2	37.0	91.6	82	76.4	1.7	1	13.3	3.24	24.7	120	43.8	598	97	20
4721	Bozeman, MT	2135	2	35.2	88.2	85	77.5	2.4	1	14.9	5.71	39.2	187	85.0	61	279	34
4722	Bozeman, MT	2136	2	36.7	90	87	76.9	1.6	1	13.7	3.75	27.5	138	64.4	272	148	21
4723	Bozeman, MT	2137	2	33.3	86.7	95	77.4	2.8	1	13.7	6.04	45.6	181	88.2	39	249	36
4724	Bozeman, MT	2139	2	35.3	88.8	87	75.2	1.6	1	14.1	3.70	26.6	212	63.2	178	155	19
4725	Bozeman, MT	2140	2	36.1	89.1	81	79.3	2.9	1	13.8	5.68	41.3	174	46.9	44	254	40
4726	Bozeman, MT	2141	2	37.8	93.4	79	78.3	1.6	1	13.2	3.49	27.4	148	47.8	268	140	27
4727	Bozeman, MT	2142	2	35.1	87.7	92	79.7	2.0	1	14.5	5.09	36.9	164	54.7	71	188	43
4728	Bozeman, MT	2144	2	39.3	93.5	88	77.1	1.7	1	13.4	3.86	29.5	160	55.6	368	163	28
4729	Bozeman, MT	2145	2	36.2	92.9	86	76.9	1.5	1	13.9	3.71	26.9	136	68.5	195	151	21
4730	Bozeman, MT	2147	2	36.0	92.3	84	77.2	2.9	2	13.5	4.14	31.6	72	60.8	198	131	16
4731	Bozeman, MT	2148	2	34.7	87.6	86	79.5	3.1	1	13.7	5.60	42.2	132	68.3	40	241	46
4732	Bozeman, MT	2149	2	36.8	87.4	95	79.4	2.0	1	14.9	4.81	33.5	148	92.7	163	195	35
4733	Bozeman, MT	2150	2	32.5	82.3	87	76.4	1.7	1	14.6	4.05	29.8	172	64.3	139	163	22

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4734	Bozeman, MT	2151	2	32.2	73.1	93	77.7	2.6	1	13.6	5.70	42.5	148	85.3	54	245	36
4735	Bozeman, MT	2152	2	42.0	95.9	79	79.1	3.8	1	14.4	6.10	43.1	140	51.4	69	252	47
4736	Bozeman, MT	2153	2	35.8	91.9	84	76.6	1.5	1	14.6	4.09	29.2	160	62.3	199	133	24
4737	Bozeman, MT	2154	2	33.7	89.7	83	78.9	2.6	1	15.0	5.39	37.3	151	72.9	42	237	42
4738	Bozeman, MT	2155	2	39.6	92.9	79	78.6	3.0	1	13.8	5.11	37.1	166	64.4	46	210	46
4739	Bozeman, MT	2156	2	36.0	90.1	88	78.6	2.5	1	14.4	5.48	39.6	142	71.2	46	230	44
4740	Bozeman, MT	2157	2	38.9	94.8	73	76.3	n.d.	3	15.3	4.42	29.9	107	63.7	287	155	25
4741	Bozeman, MT	2158	2	38.1	90.8	83	77.4	1.5	1	13.3	3.75	29.6	82	57.3	234	133	21
4742	Bozeman, MT	2159	2	37.2	92	83	78.9	2.5	1	14.9	5.58	39.1	166	69.0	54	230	44
4743	Bozeman, MT	2160	2	35.0	95.1	82	77.3	n.d.	3	13.6	4.15	30.6	156	54.0	309	125	22
4744	Bozeman, MT	2161	2	34.7	84.5	85	77.2	1.9	1	13.6	4.09	30.6	137	46.1	280	131	16
4745	Bozeman, MT	2162	2	34.4	89.8	79	76.8	n.d.	3	14.8	4.30	31.1	98	62.2	297	143	13
4746	Bozeman, MT	2163	2	31.3	71.9	93	77.2	2.4	1	14.7	5.27	37.5	176	91.0	41	201	35
4747	Bozeman, MT	2164	2	29.7	80.4	87	77.3	2.5	1	15.1	6.05	40.8	231	88.9	47	279	33
4748	Bozeman, MT	2165	2	32.8	80.8	83	76.3	2.1	1	14.3	4.80	35.3	196	70.0	219	196	28
4749		HARRINGTON MALT CHECK	2	39.7	95.4	75	82.5	2.8	1	11.7	5.30	47.7	106	90.2	67	238	59
4750	Bozeman, MT	2166	2	33.8	82.8	88	76.4	2.2	1	15.3	5.42	35.9	252	69.9	86	216	35
4751	Bozeman, MT	2167	2	34.9	85.4	90	74.8	n.d.	3	13.8	3.88	29.1	175	52.3	330	125	17
4752	Bozeman, MT	2168	2	33.8	83.3	90	77.0	2.2	1	15.0	5.63	38.3	232	82.6	110	241	27
4753	Bozeman, MT	2169	2	35.3	90.9	84	76.1	1.6	1	15.3	4.64	31.0	222	70.8	162	172	28
4754	Bozeman, MT	2170	2	33.8	83.6	85	77.4	2.4	1	14.3	5.56	39.4	196	88.4	65	249	35
4755	Bozeman, MT	2171	2	34.9	87.6	83	75.2	1.6	1	14.5	4.09	28.6	216	67.4	190	145	22
4756	Bozeman, MT	2172	2	33.9	85.4	88	78.5	3.1	1	15.5	6.42	42.2	235	87.6	29	267	40
4757	Bozeman, MT	2173	2	36.7	89.2	79	77.4	2.9	2	14.8	5.68	38.6	229	72.5	23	211	33
4758	Bozeman, MT	2174	2	37.1	86.3	84	76.0	1.8	1	14.0	4.01	28.7	131	63.8	237	131	22
4759	Bozeman, MT	2175	2	36.5	92.7	77	76.0	n.d.	3	14.0	4.06	29.3	189	61.0	269	133	22
4760	Bozeman, MT	2176	2	37.8	90.8	79	76.1	1.5	1	14.9	4.27	30.2	211	62.8	284	135	24
4761	Bozeman, MT	2177	2	34.7	86.6	86	75.4	1.7	1	13.8	4.15	30.5	197	59.8	258	117	22
4762	Bozeman, MT	2178	2	31.0	82.5	86	76.9	2.3	1	14.9	5.82	40.8	241	92.4	33	212	36
4763	Bozeman, MT	2179	2	35.9	83	91	74.6	1.6	1	14.2	3.68	26.5	120	53.9	523	132	16
4764	Bozeman, MT	2180	2	30.5	78.1	89	76.8	2.0	1	15.5	5.17	34.7	213	83.6	105	214	31
4765	Bozeman, MT	2181	2	34.2	86.5	89	77.4	2.4	1	15.2	4.77	31.5	200	73.9	119	172	29
4766	Bozeman, MT	2182	2	31.7	84.7	80	75.6	2.4	2	15.1	4.26	28.7	221	63.4	273	144	18
4767	Bozeman, MT	2183	2	31.6	76	87	76.4	2.4	1	15.4	5.08	33.2	198	96.8	82	244	35
4768	Bozeman, MT	2184	2	33.4	86.2	82	75.6	2.4	2	14.3	4.01	28.1	178	59.9	408	115	21
4769	Bozeman, MT	2185	2	35.8	92	73	77.1	n.d.	3	13.8	3.99	30.4	170	54.8	545	146	19
4770	Bozeman, MT	2186	2	36.4	89	84	77.0	1.6	1	14.0	4.33	31.1	170	75.4	216	175	22
4771	Bozeman, MT	2187	2	35.4	90.9	83	76.9	2.6	2	13.3	3.78	29.4	158	53.2	397	138	25
4772	Bozeman, MT	2188	2	33.4	82.3	87	76.8	1.9	1	14.0	4.44	32.9	213	78.2	449	187	26
4773	Bozeman, MT	2189	2	31.4	86.4	86	78.7	3.8	2	15.0	5.65	39.9	211	90.6	37	258	37
4774	Bozeman, MT	2190	2	35.0	85.5	81	77.8	1.9	1	14.6	4.55	33.4	167	82.8	134	200	34
4775	Bozeman, MT	2192	2	32.1	85.4	88	79.0	2.5	1	14.8	5.13	37.1	193	93.3	37	257	42
4776	Bozeman, MT	2193	2	40.0	96.4	79	78.3	2.9	1	14.0	5.53	39.6	223	91.0	39	302	46

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4777	Bozeman, MT	2194	2	37.6	93.5	79	78.4	2.9	1	14.6	5.94	41.8	236	103.7	28	329	45
4778	Bozeman, MT	2195	2	41.5	95.7	68	80.1	3.8	2	13.1	5.34	41.0	146	62.7	84	289	60
4779	Bozeman, MT	2196	2	39.8	94.7	69	79.8	4.0	2	14.0	4.23	32.4	152	71.8	45	281	44
4780		HARRINGTON MALT CHECK	2	39.6	96	74	82.8	2.4	1	11.9	4.94	43.3	122	95.7	124	263	63
4781	Bozeman, MT	2197	2	38.0	94.2	73	80.2	3.4	1	13.7	5.57	41.1	137	75.8	88	299	54
4782	Bozeman, MT	2198	2	35.6	89.9	69	79.0	1.6	1	12.5	4.01	32.8	138	72.8	407	170	36
4783	Bozeman, MT	2199	2	39.9	97.3	69	77.7	2.3	2	14.5	4.44	31.3	98	72.0	261	186	25
4784	Bozeman, MT	2200	2	35.8	91.7	80	77.1	1.6	1	14.0	4.26	32.2	144	74.1	360	193	29
4785	Bozeman, MT	2201	2	31.3	80.6	86	77.7	2.8	1	15.3	5.44	35.6	180	92.0	52	265	35
4786	Bozeman, MT	2202	2	37.7	80.6	75	77.7	1.6	1	13.9	4.35	33.5	144	77.8	305	190	22
4787	Bozeman, MT	2203	2	33.2	92.7	76	76.5	2.7	2	13.6	4.03	30.3	159	62.8	395	159	23
4788	Bozeman, MT	2204	2	32.9	88	74	78.0	3.2	1	15.3	5.84	39.3	178	89.8	35	319	38
4789	Bozeman, MT	2205	2	37.1	87.5	78	78.8	3.0	1	14.8	5.96	40.2	198	112.8	37	330	43
4790	Bozeman, MT	2206	2	31.9	90.9	75	78.2	2.8	1	15.6	5.73	38.0	231	115.2	47	324	40
4791	Bozeman, MT	2207	2	37.2	86.8	71	78.2	3.4	2	15.2	5.65	37.7	188	77.4	43	298	37
4792	Bozeman, MT	2208	2	37.7	92	76	77.4	2.9	1	14.5	5.28	36.6	219	100.9	52	287	40
4793	Bozeman, MT	2209	2	39.1	91.7	71	78.5	1.7	1	12.6	3.94	32.1	149	71.9	282	167	37
4794	Bozeman, MT	2210	2	35.1	93.3	63	76.2	2.8	2	14.1	3.84	28.8	78	59.7	414	150	13
4795	Bozeman, MT	2211	2	36.8	88	79	76.6	1.6	1	14.0	4.24	31.3	202	74.5	307	142	22
4796	Bozeman, MT	2212	2	31.9	91.5	69	75.5	3.1	2	13.8	3.88	28.1	155	52.9	465	152	20
4797	Bozeman, MT	2213	2	36.8	87	85	77.6	1.7	1	14.2	4.50	31.7	157	75.7	258	200	31
4798	Bozeman, MT	2214	2	34.2	91.8	80	75.5	1.8	1	14.6	4.42	30.8	189	80.9	307	185	31
4799	Bozeman, MT	2215	2	30.9	83.5	79	75.5	1.8	1	14.6	4.25	29.8	188	68.1	489	178	19
4800	Bozeman, MT	2216	2	33.7	79.8	81	77.7	3.8	1	14.9	6.11	42.1	205	103.7	38	330	33
4801	Bozeman, MT	2217	2	32.8	88.3	83	78.4	2.9	1	13.8	6.38	47.4	185	84.0	89	273	35
4802	Bozeman, MT	2218	2	41.8	92.8	83	79.4	3.4	1	13.6	6.44	49.8	177	78.6	79	249	44
4803	Bozeman, MT	2219	2	37.5	94.4	73	77.7	3.5	2	13.9	4.82	35.1	111	63.3	197	172	24
4804	Bozeman, MT	2220	2	37.4	93.6	83	79.3	4.0	1	14.4	6.80	48.3	184	78.3	79	264	37
4805	Bozeman, MT	2222	2	38.0	94.7	71	76.9	2.0	1	14.3	4.36	32.4	182	48.7	222	152	23
4806	Bozeman, MT	2223	2	37.2	90.5	72	77.8	2.3	1	14.2	4.20	30.6	77	71.0	341	147	17
4807	Bozeman, MT	2224	2	39.8	94.5	73	78.6	1.7	1	13.2	4.09	33.0	138	64.9	159	143	35
4808	Bozeman, MT	2225	2	32.0	95.4	71	78.5	3.0	1	14.1	6.67	49.6	210	97.8	60	255	37
4809	Bozeman, MT	2226	2	38.4	81.5	74	76.8	1.7	1	13.7	3.79	28.6	127	53.0	316	129	18
4810	Bozeman, MT	2227	2	39.3	90.3	69	78.6	1.6	1	14.8	4.44	32.1	135	66.8	214	152	34
4811		HARRINGTON MALT CHECK	2	39.8	95.8	72	83.6	2.4	1	11.8	5.03	45.1	115	89.1	72	227	64
4812	Bozeman, MT	2229	2	36.5	95.8	69	76.7	1.5	1	15.3	4.52	29.6	164	62.8	334	176	28
4813	Bozeman, MT	2230	2	30.5	92.5	80	77.4	1.4	1	14.8	4.26	30.3	145	65.0	380	161	24
4814	Bozeman, MT	2231	2	37.0	89	79	77.4	2.9	1	14.8	6.03	43.0	154	96.0	50	243	36
4815	Bozeman, MT	2233	2	32.8	73.4	75	74.9	1.4	1	14.9	3.80	26.2	153	59.1	641	138	16
4816	Bozeman, MT	2234	2	32.3	83.1	71	75.4	1.4	1	14.8	4.25	28.8	159	67.6	398	152	19
4817	Bozeman, MT	2235	2	32.9	85.7	75	75.3	2.2	1	15.5	4.27	27.9	176	60.2	424	147	22
4818	Bozeman, MT	2236	2	34.9	76.2	77	78.2	4.3	1	14.0	6.91	51.3	162	86.0	48	290	32
4819	Bozeman, MT	2237	2	38.8	89.1	81	78.0	2.8	1	14.9	5.80	39.0	166	70.1	65	242	40

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4820	Bozeman, MT	2238	2	34.9	91.8	75	77.8	3.8	1	15.4	6.96	46.5	187	79.8	42	298	38
4821	Bozeman, MT	2239	2	35.1	87.7	77	77.7	1.6	1	14.2	4.09	29.2	140	62.4	292	151	22
4822		HARRINGTON MALT CHECK	2	39.3	95.9	72	82.4	2.2	1	11.3	4.98	44.3	107	83.7	109	216	60
4823	Bozeman, MT	2241	2	39.0	86.7	85	79.3	1.9	1	14.2	4.97	36.9	165	86.7	93	207	44
4824	Bozeman, MT	2242	2	32.4	87.8	78	77.3	2.5	1	14.1	5.70	41.3	184	85.4	64	230	39
4825	Bozeman, MT	2243	2	34.2	82.8	82	80.1	2.6	1	13.6	5.90	45.4	208	71.0	64	248	43
4826	Bozeman, MT	2244	2	39.8	91.4	75	78.0	3.4	1	14.5	6.87	47.7	232	85.3	40	293	39
4827	Bozeman, MT	2245	2	35.8	90.8	72	77.2	1.4	1	14.4	4.33	30.3	169	66.3	297	157	24
4828	Bozeman, MT	2246	2	34.3	85.5	75	77.9	2.7	1	13.4	5.96	45.7	190	98.4	68	242	44
4829	Bozeman, MT	2247	2	38.1	94	69	79.9	3.1	1	14.1	5.58	41.4	176	50.9	85	218	54
4830	Bozeman, MT	2248	2	39.4	94.5	70	79.7	2.5	1	13.8	5.10	37.6	154	48.7	64	202	46
4831	Bozeman, MT	2249	2	36.8	90.7	87	77.9	2.0	1	13.0	5.67	45.8	221	80.1	74	241	46
4832	Bozeman, MT	2250	2	36.4	91.2	79	76.9	1.5	1	13.1	3.52	27.3	141	49.8	410	111	23
4833	Bozeman, MT	2251	2	31.7	87.6	81	78.4	2.8	1	13.1	6.28	48.8	219	92.9	49	273	40
4834	Bozeman, MT	2252	2	37.8	92.9	75	78.8	1.9	1	12.8	4.03	32.2	156	64.4	162	151	38
4835	Bozeman, MT	2253	2	38.9	95.1	83	76.4	1.6	1	13.5	4.00	29.7	180	56.4	455	136	31
4836	Bozeman, MT	2254	2	39.3	94.7	78	79.6	3.5	1	13.1	6.24	48.4	153	79.9	57	251	47
4837	Bozeman, MT	2255	2	39.2	90.4	85	78.8	2.8	1	12.9	5.74	44.7	125	76.6	48	238	57
4838	Bozeman, MT	2256	2	39.4	94.6	74	77.8	2.6	1	14.2	6.29	45.3	177	79.3	46	258	40
4839	Bozeman, MT	2257	2	33.3	87.5	84	78.2	2.6	1	14.4	5.82	40.4	154	73.6	50	234	43
4840	Bozeman, MT	2258	2	36.5	91.3	78	77.4	2.1	1	13.5	4.32	32.6	130	58.9	217	154	24
4841	Bozeman, MT	2259	2	36.3	89.6	65	75.7	3.2	2	14.1	3.62	26.1	68	50.7	412	129	11
4842		HARRINGTON MALT CHECK	2	39.2	95.9	75	82.2	2.5	1	11.4	5.06	46.1	98	84.7	106	226	56
4843	Bozeman, MT	2260	2	38.5	95.2	78	77.3	3.3	2	13.8	4.09	30.9	71	63.0	340	146	18
4844	Bozeman, MT	2261	2	39.3	94.8	77	76.0	1.6	1	13.8	4.03	29.4	160	65.8	296	136	26
4845	Bozeman, MT	2262	2	37.6	93.7	81	79.9	3.4	1	13.3	5.90	44.7	133	75.4	61	243	53
4846	Bozeman, MT	2263	2	37.2	96.3	72	77.9	1.7	1	14.0	4.47	32.7	152	56.6	168	161	28
4847	Bozeman, MT	2264	2	35.2	92.9	77	77.8	3.7	1	14.1	7.05	50.2	178	94.5	24	332	33
4848	Bozeman, MT	2265	2	39.7	86.9	84	75.1	2.2	2	14.1	4.97	37.6	175	57.5	201	193	32
4849	Bozeman, MT	2266	2	37.5	93	78	76.7	n.d.	3	13.8	4.73	34.3	81	62.8	234	182	22
4850	Bozeman, MT	2267	2	38.5	95.7	76	78.4	4.3	1	14.1	6.79	49.2	145	76.8	32	279	39
4851	Bozeman, MT	2268	2	35.9	93.5	76	77.6	1.9	2	13.2	3.93	30.7	77	47.6	343	144	15
4852	Bozeman, MT	2269	2	38.2	93.2	83	79.4	2.4	1	13.0	5.24	41.5	121	76.2	118	246	55
4853	Bozeman, MT	2270	2	37.5	95.3	72	77.7	2.7	2	13.6	4.71	35.9	87	54.2	258	184	23
4854	Bozeman, MT	2271	2	38.7	95.5	79	78.9	1.6	1	12.4	3.56	29.1	98	48.7	372	136	27
4855	Bozeman, MT	2273	2	34.5	87.8	81	79.2	3.5	1	13.6	6.25	46.9	165	73.9	25	313	40
4856	Bozeman, MT	2274	2	39.5	94.2	80	78.1	2.2	1	13.7	5.25	38.3	152	65.9	95	242	46
4857	Bozeman, MT	2275	2	38.8	95.3	75	77.1	2.3	2	14.1	4.29	31.1	110	55.5	238	167	22
4858	Bozeman, MT	2276	2	37.4	88.5	85	75.9	1.8	2	13.8	4.29	31.8	146	50.3	391	163	21
4859	Bozeman, MT	2277	2	41.2	97.2	73	78.5	2.5	2	13.3	4.94	39.7	149	52.0	65	161	47
4860	Bozeman, MT	2278	2	37.6	94.2	77	80.5	3.5	2	12.9	5.81	48.3	111	55.5	35	269	49
4861	Bozeman, MT	2279	2	38.8	96.8	75	79.5	3.2	2	13.7	6.37	49.5	181	71.9	43	312	41
4862	Bozeman, MT	2280	2	34.1	86	85	79.0	2.6	1	13.7	5.60	43.5	149	77.3	26	233	47

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4863	Bozeman, MT	2281	2	35.5	91.8	78	81.0	3.1	2	13.9	6.19	46.5	143	66.0	25	255	44
4864	Bozeman, MT	2282	2	39.4	95.9	74	79.1	1.7	2	13.6	4.94	38.6	144	64.2	82	194	45
4865	Bozeman, MT	2283	2	37.6	93.5	80	75.2	2.6	1	13.4	5.42	41.8	153	68.1	27	236	50
4866	Bozeman, MT	2284	2	34.3	91	76	77.9	4.0	1	13.4	6.35	48.9	118	78.3	22	311	35
4867	Bozeman, MT	2285	2	39.3	94.6	77	79.5	1.8	2	12.9	4.09	32.5	126	56.1	144	162	45
4868	Bozeman, MT	2286	2	37.3	94.6	79	79.3	1.5	2	13.7	4.28	31.7	121	57.9	260	161	27
4869	Bozeman, MT	2287	2	32.5	91.3	73	78.9	3.8	1	12.5	6.71	56.3	136	82.8	27	329	47
4870	Bozeman, MT	2288	2	36.2	93.8	76	78.7	2.1	2	13.1	4.23	34.0	64	57.4	167	162	25
4871	Bozeman, MT	2289	2	32.3	82.5	78	80.4	n.d.	3	13.0	3.75	29.1	61	56.3	333	144	19
4872	Bozeman, MT	2290	2	37.5	93	75	79.3	3.1	2	12.5	5.53	45.0	134	61.6	30	245	58
4873		HARRINGTON MALT CHECK	2	39.5	96	75	82.6	2.5	1	11.5	5.09	47.4	121	90.3	80	212	62
4874	Bozeman, MT	2291	2	35.9	93.9	83	79.6	2.2	1	13.8	5.32	39.3	198	79.2	57	222	47
4875	Bozeman, MT	2292	2	34.1	75.3	76	75.8	2.3	2	13.3	3.85	29.5	114	46.2	482	143	14
4876	Bozeman, MT	2293	2	37.0	94.5	83	78.6	2.1	1	13.4	4.98	38.5	185	78.1	129	174	40
4877	Bozeman, MT	2294	2	33.6	90.7	79	77.5	3.1	2	13.5	5.90	45.0	186	85.0	30	275	40
4878	Bozeman, MT	2295	2	36.8	95.9	74	79.8	n.d.	3	12.6	4.49	37.3	83	66.0	209	175	36
4879	Bozeman, MT	2296	2	37.5	92.8	84	80.7	3.2	2	12.9	5.40	44.3	163	59.2	71	208	61
4880	Bozeman, MT	2297	2	34.7	91.1	82	75.9	2.8	2	14.1	3.99	28.2	157	51.3	348	133	20
4881	Bozeman, MT	2298	2	36.1	91.6	77	77.8	2.1	2	13.5	4.14	31.6	181	59.4	98	132	30
4882	Bozeman, MT	2299	2	35.6	87	82	75.7	1.7	1	14.7	4.31	30.2	198	58.9	280	155	22
4883	Bozeman, MT	2300	2	31.3	86.7	83	76.0	2.0	1	13.9	3.75	27.2	163	53.3	488	126	19
4884	Bozeman, MT	2304	2	37.5	90.4	85	75.8	2.7	2	14.1	4.17	30.2	155	63.1	281	159	23
4885	Bozeman, MT	2305	2	30.7	78	89	77.5	2.3	1	15.7	5.35	34.3	232	106.9	40	265	35
4886	Bozeman, MT	2306	2	32.9	84.8	80	78.5	2.8	1	13.8	5.36	38.8	219	102.2	53	281	39
4887	Bozeman, MT	2307	2	34.8	83.1	79	75.5	1.6	1	14.0	4.04	29.0	198	71.9	391	163	19
4888	Bozeman, MT	2308	2	35.0	87.8	73	75.5	1.8	1	13.9	4.08	30.0	165	72.3	329	152	22
4889	Bozeman, MT	2309	2	39.4	91	84	77.1	3.5	2	14.8	4.87	33.8	166	87.2	97	263	41
4890	Bozeman, MT	2310	2	36.2	91.9	75	79.0	2.7	1	14.3	4.60	32.5	174	57.2	89	172	39
4891	Bozeman, MT	2311	2	32.7	87.2	86	76.2	1.7	1	14.1	4.24	30.6	188	88.4	351	166	22
4892	Bozeman, MT	2312	2	37.1	91.3	88	76.8	1.4	1	13.1	3.78	29.1	113	62.9	601	97	23
4893	Bozeman, MT	2313	2	35.1	89.5	86	76.3	1.8	1	14.7	4.38	30.0	211	80.7	137	220	30
4894	Bozeman, MT	2314	2	35.1	89	81	76.9	1.7	1	13.1	4.09	32.2	145	74.2	477	177	27
4895	Bozeman, MT	2315	2	36.3	86.1	90	79.1	2.1	1	13.5	4.61	34.4	174	104.3	186	238	35
4896	Bozeman, MT	2316	2	35.8	90.8	82	77.6	1.5	1	13.6	3.91	30.5	164	79.8	294	153	21
4897	Bozeman, MT	2317	2	31.8	87	82	78.3	2.3	1	13.5	4.73	35.2	205	108.6	69	251	42
4898	Bozeman, MT	2318	2	36.1	87.3	80	78.4	2.7	1	13.5	4.66	35.6	159	99.1	57	203	47
4899	Bozeman, MT	2319	2	37.1	92.3	83	76.5	1.4	1	14.1	4.20	31.1	202	81.9	273	187	27
4900	Bozeman, MT	2320	2	35.5	87.9	84	76.0	1.4	1	13.8	3.76	27.4	166	61.4	476	104	19
4901	Bozeman, MT	2321	2	37.8	92	83	76.9	1.4	1	14.5	4.11	30.2	162	67.0	358	176	24
4902	Bozeman, MT	2322	2	36.5	90.4	78	76.5	1.4	1	14.4	4.10	29.1	209	65.5	293	154	24
4903	Bozeman, MT	2323	2	37.7	95.7	70	77.3	2.7	2	14.4	4.24	30.4	109	63.0	345	183	23
4904		HARRINGTON MALT CHECK	2	39.9	96.2	74	81.3	2.3	1	11.6	4.58	42.6	117	86.1	143	238	60
4905	Bozeman, MT	2324	2	37.0	91	75	77.0	1.9	2	13.1	3.60	28.2	136	47.8	424	127	22

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4906	Bozeman, MT	2325	2	38.1	93.2	78	76.6	1.6	1	14.3	4.14	29.7	212	61.1	329	161	26
4907	Bozeman, MT	2326	2	32.5	86.3	74	77.8	3.7	1	15.3	5.26	35.1	215	83.7	40	318	38
4908	Bozeman, MT	2327	2	37.2	92.1	79	77.3	1.5	1	13.9	4.14	30.0	167	69.0	252	157	24
4909	Bozeman, MT	2328	2	37.8	93.2	80	78.2	1.6	1	12.7	3.93	31.0	180	67.9	439	144	35
4910	Bozeman, MT	2330	2	38.6	93.7	83	77.8	2.3	1	14.8	4.81	32.9	232	76.8	54	247	42
4911	Bozeman, MT	2331	2	32.7	86.3	83	76.1	1.7	1	14.3	4.20	30.0	211	65.3	394	165	22
4912	Bozeman, MT	2332	2	36.7	94.4	65	76.7	2.7	2	13.9	3.97	29.0	184	57.8	439	164	20
4913	Bozeman, MT	2333	2	37.0	93.5	73	77.5	2.7	2	14.3	4.29	30.2	182	70.3	200	183	26
4914	Bozeman, MT	2334	2	39.9	96	77	77.9	1.7	1	14.0	4.38	32.6	172	90.9	168	178	26
4915	Bozeman, MT	2335	2	38.7	95.2	76	78.6	2.5	1	13.9	4.64	33.8	173	59.1	38	219	46
4916	Bozeman, MT	2336	2	41.2	97.7	71	78.6	1.8	1	12.6	3.97	32.6	157	66.6	89	155	46
4917	Bozeman, MT	2337	2	35.5	90.8	83	77.9	2.5	1	13.8	4.61	34.3	189	88.0	65	246	40
4918	Bozeman, MT	2338	2	38.7	95.6	80	77.1	2.4	1	14.8	4.85	33.4	211	81.0	30	262	42
4919	Bozeman, MT	2339	2	37.4	94.2	77	78.3	1.5	1	13.9	4.25	31.9	183	68.4	270	169	28
4920	Bozeman, MT	2340	2	34.0	85.4	84	76.7	1.8	1	14.3	4.26	30.3	190	63.3	157	177	22
4921	Bozeman, MT	2341	2	35.3	92.8	78	78.8	2.9	1	14.3	6.11	43.6	208	89.0	33	292	42
4922	Bozeman, MT	2342	2	37.9	91.9	76	77.7	1.8	1	14.5	4.32	31.1	153	72.4	299	161	24
4923	Bozeman, MT	2343	2	35.9	92.8	76	77.7	2.2	1	14.0	5.00	37.4	176	82.3	142	210	36
4924	Bozeman, MT	2344	2	33.5	88.6	84	77.8	2.5	1	13.4	5.67	42.6	215	80.8	77	240	44
4925	Bozeman, MT	2345	2	34.0	92.3	80	74.8	n.d.	3	14.0	3.91	28.5	165	55.9	275	144	19
4926	Bozeman, MT	2346	2	33.3	87.7	76	79.0	2.9	1	12.8	5.73	45.2	187	87.8	64	242	53
4927	Bozeman, MT	2347	2	33.1	85.6	77	77.8	3.6	1	13.9	6.70	49.4	197	81.8	52	271	31
4928	Bozeman, MT	2348	2	33.0	89.1	76	78.2	3.3	1	13.1	5.91	45.7	150	78.7	44	233	48
4929	Bozeman, MT	2349	2	34.4	89.4	76	78.4	3.0	1	13.5	6.30	47.0	150	58.9	66	222	40
4930	Bozeman, MT	2350	2	36.2	91.8	78	77.6	3.2	1	14.5	5.33	37.5	176	76.1	76	258	40
4931	Bozeman, MT	2351	2	35.4	89.9	86	79.6	2.5	1	13.4	5.48	40.8	169	61.2	83	225	55
4932	Bozeman, MT	2352	2	39.1	95.3	76	78.0	1.8	1	13.8	4.35	32.2	148	69.4	304	161	26
4933	Bozeman, MT	2353	2	34.9	88.3	79	76.0	2.0	1	13.3	3.80	28.8	144	66.9	459	141	24
4934	Bozeman, MT	2354	2	33.4	90.5	80	77.7	3.4	1	14.6	6.34	44.4	211	100.2	66	279	38
4935		HARRINGTON MALT CHECK	2	39.7	96.7	72	81.6	2.6	1	11.4	5.06	45.2	112	88.0	185	222	57
4936	Bozeman, MT	2355	2	36.9	92.1	77	77.4	2.7	1	14.7	5.72	39.1	195	77.4	74	236	36
4937	Bozeman, MT	2356	2	36.3	87.1	75	76.3	2.9	1	15.2	6.17	40.9	193	80.4	72	267	36
4938	Bozeman, MT	2357	2	31.7	76.2	84	77.4	3.0	1	14.9	5.50	36.9	169	92.5	54	234	35
4939	Bozeman, MT	2358	2	33.3	87.7	75	78.3	3.1	1	13.8	5.12	37.8	173	71.0	59	212	42
4940	Bozeman, MT	2359	2	36.0	90.6	77	76.3	1.9	1	15.3	4.63	31.5	202	79.5	193	173	28
4941	Bozeman, MT	2360	2	36.1	88.5	76	76.6	2.1	1	14.0	4.00	29.0	160	65.6	265	144	19
4942	Bozeman, MT	2361	2	36.7	91.6	73	78.3	3.0	1	14.5	5.43	38.0	174	46.0	81	218	41
4943	Bozeman, MT	2362	2	35.5	88.2	73	76.4	2.1	1	14.7	4.43	31.0	220	59.6	156	157	26
4944	Bozeman, MT	2363	2	33.7	86.8	79	75.4	2.0	1	14.0	3.64	26.7	142	51.5	470	123	19
4945	Bozeman, MT	2364	2	34.5	85.9	75	78.3	3.3	1	14.6	6.18	42.3	184	91.7	65	275	40
4946	Bozeman, MT	2365	2	32.5	85.2	78	74.8	2.6	2	15.3	4.05	27.1	182	56.6	459	142	21
4947	Bozeman, MT	2366	2	33.0	85.2	80	76.0	2.3	1	14.1	4.31	31.1	170	51.0	209	168	22
4948	Bozeman, MT	2367	2	34.0	81.4	91	77.9	2.4	1	14.4	5.38	39.2	209	104.8	158	247	28

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
4949	Bozeman, MT	2368	2	32.2	78.8	79	77.2	3.5	1	14.8	6.46	45.6	232	101.9	50	306	33
4950	Bozeman, MT	2369	2	36.1	91.3	82	77.3	1.9	1	13.6	4.23	32.0	172	82.5	204	165	24
4951	Bozeman, MT	2370	2	34.5	84.7	77	75.1	1.8	1	14.7	4.16	29.3	189	71.5	270	166	19
4952	Bozeman, MT	2371	2	29.5	76.4	81	72.9	2.3	1	15.0	4.29	29.3	220	71.6	470	165	19
4953	Bozeman, MT	2372	2	35.5	83.8	76	75.3	2.0	1	14.3	4.26	30.3	193	69.6	379	165	19
4954	Bozeman, MT	2373	2	30.9	78.5	79	74.2	2.0	1	14.9	4.19	28.5	170	61.2	431	145	19
4955	Bozeman, MT	2374	2	30.5	68.7	90	75.1	2.9	1	16.0	5.93	39.4	219	57.9	61	256	31
4956	Bozeman, MT	2375	2	31.4	68.6	62	72.8	2.9	2	15.6	3.90	25.1	83	62.7	390	149	8
4957	Bozeman, MT	2376	2	35.5	88.2	80	75.8	1.7	1	14.7	4.27	29.5	170	78.2	117	161	25
4958	Bozeman, MT	2377	2	36.8	90.5	78	78.5	3.1	1	12.8	5.92	48.0	155	105.6	29	264	50
4959	Bozeman, MT	2379	2	38.1	91.1	83	76.1	1.8	1	13.3	3.74	28.7	107	59.0	434	155	25
4960	Bozeman, MT	2380	2	32.2	81.7	81	78.1	2.8	1	14.3	6.06	42.4	187	85.9	38	269	37
4961	Bozeman, MT	2381	2	29.7	79.5	89	77.1	3.1	1	15.6	6.19	39.8	220	102.6	25	275	28
4962	Bozeman, MT	2382	2	32.6	77.6	82	74.0	1.9	1	15.0	4.30	28.9	188	67.3	273	159	19
4963	Bozeman, MT	2383	2	34.6	82.5	86	75.0	1.7	1	15.1	4.42	30.5	179	82.5	261	189	26
4964	Bozeman, MT	2384	2	30.9	77.3	80	74.1	2.0	1	14.4	4.20	29.9	161	68.3	342	142	19
4996	Bozeman, MT	1024	2	37.8	89.7	80	76.5	1.5	1	14.5	4.39	30.8	155	75.4	283	131	22
4997		HARRINGTON MALT CHECK	2	39.0	96.7	73	82.3	2.4	1	11.4	5.46	47.9	104	95.1	119	214	55
4998	Bozeman, MT	1031	2	35.6	82.2	80	75.5	1.9	1	15.4	5.52	36.5	208	75.3	45	179	30
4999	Bozeman, MT	1036	2	31.1	71.1	79	73.3	1.8	2	14.8	3.97	27.2	151	55.3	421	94	15
5000	Bozeman, MT	1041	2	37.4	92.6	74	75.8	1.7	1	15.3	4.59	30.5	132	65.2	177	123	28
5001	Bozeman, MT	1049	2	37.0	90	80	75.8	1.7	2	13.3	3.59	27.5	152	49.0	310	99	22
5002	Bozeman, MT	1069	2	37.2	88.9	83	75.7	1.4	1	14.8	4.26	29.0	161	64.6	371	117	22
5003	Bozeman, MT	1074	2	31.6	82.7	79	76.7	2.1	1	16.3	6.05	38.6	242	108.1	50	211	28
5004	Bozeman, MT	1085	2	36.6	90.1	86	78.0	2.1	1	15.0	6.02	40.4	218	88.0	45	195	42
5005	Bozeman, MT	1100	2	33.1	83.8	87	76.7	2.4	1	15.0	5.99	41.1	208	93.1	62	210	36
5006	Bozeman, MT	1106	2	34.8	79.8	75	76.6	2.1	1	15.8	5.69	37.0	191	61.2	45	197	31
5007	Bozeman, MT	1132	2	35.1	84.7	87	73.8	1.5	1	15.2	4.04	27.3	189	57.5	397	111	19
5008	Bozeman, MT	1138	2	34.7	89	86	77.7	1.8	1	14.3	5.43	38.5	185	79.9	52	193	38
5009	Bozeman, MT	1140	2	36.2	88.6	82	74.6	2.1	2	14.7	4.27	29.9	191	57.6	297	127	21
5010	Bozeman, MT	1198	2	37.9	94.7	81	78.3	2.3	1	13.6	5.84	44.1	176	82.5	45	209	45
5011	Bozeman, MT	1200	2	41.2	95.7	73	78.5	2.2	1	13.6	5.32	39.8	177	57.4	49	179	43
5012	Bozeman, MT	1208	2	35.4	84.4	83	77.6	2.0	1	13.8	5.82	42.4	226	92.4	44	209	36
5013	Bozeman, MT	1213	2	38.3	91.7	83	77.2	1.4	1	12.9	4.15	33.1	175	76.3	185	126	36
5014	Bozeman, MT	1214	2	40.5	93.4	88	77.2	1.5	1	12.1	3.76	31.2	132	54.3	172	106	35
5015	Bozeman, MT	1219	2	37.5	91.4	72	75.6	1.7	2	14.0	4.35	31.1	142	64.9	215	124	23
5016	Bozeman, MT	1221	2	36.7	89.8	77	76.6	2.2	1	14.6	6.57	45.2	229	94.1	44	242	36
5017	Bozeman, MT	1227	2	32.2	82	76	73.6	1.7	1	14.7	4.48	31.2	210	69.3	294	142	23
5018	Bozeman, MT	1231	2	37.7	91.6	83	76.8	1.3	1	14.8	4.36	31.3	156	69.9	218	134	24
5019	Bozeman, MT	1232	2	35.0	85.3	70	73.6	2.3	2	14.6	3.66	26.2	70	55.9	506	110	11
5020	Bozeman, MT	1236	2	34.8	83.8	89	76.7	2.1	1	14.7	5.57	38.5	181	57.3	70	216	35
5021	Bozeman, MT	1238	2	32.0	83.9	87	77.3	2.3	1	15.0	4.65	31.5	201	95.0	48	262	35
5022	Bozeman, MT	1269	2	35.3	94	83	74.2	2.9	2	14.1	3.91	28.8	171	54.2	220	155	20

2014CY Breeders' Submissions

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
5023	Bozeman, MT	1274	2	41.5	95.9	76	78.5	3.1	1	13.3	4.63	35.0	183	45.9	50	246	50
5024	Bozeman, MT	1278	2	36.5	92	79	75.4	1.9	1	12.6	3.43	29.4	155	51.8	500	131	31
5025	Bozeman, MT	1284	2	36.9	92.7	82	78.1	2.0	1	12.3	3.44	28.0	79	71.0	118	168	31
5026	Bozeman, MT	1304	2	32.4	84.4	88	77.1	2.1	1	15.4	4.63	30.4	241	94.8	47	271	35
5027	Bozeman, MT	1305	2	35.2	75	76	74.5	1.8	1	14.5	3.86	27.6	186	66.6	272	179	16
5028		HARRINGTON MALT CHECK	2	40.1	96	72	82.0	2.3	1	11.6	4.60	43.1	122	96.7	82	249	69
5029	Bozeman, MT	1307	2	32.4	88	78	77.3	2.1	1	15.7	6.09	41.1	268	110.4	45	228	36
5030	Bozeman, MT	1311	2	35.9	79.7	84	73.6	2.0	1	15.0	4.79	32.5	219	59.4	368	126	23
5031	Bozeman, MT	1326	2	38.8	92.7	87	76.5	1.6	1	14.5	3.98	28.6	165	67.8	274	174	23
5032	Bozeman, MT	1336	2	34.2	87.9	88	77.4	2.3	1	14.1	4.82	35.2	161	101.6	48	234	38
5033	Bozeman, MT	1350	2	36.9	91.3	81	76.5	1.9	1	13.5	3.95	29.6	157	71.0	103	146	29
5034	Bozeman, MT	1352	2	37.0	88.4	77	77.4	2.6	1	13.5	4.34	32.9	201	70.2	54	154	34
5035	Bozeman, MT	1360	2	36.2	93.9	76	75.9	2.9	2	15.0	4.02	28.5	106	63.8	266	117	20
5036	Bozeman, MT	1366	2	41.2	91.7	87	75.5	1.6	1	14.0	3.62	26.8	113	48.6	626	107	19
5037	Bozeman, MT	1375	2	36.0	87.4	81	76.1	1.9	1	13.8	3.99	30.0	187	71.2	245	112	19
5038	Bozeman, MT	2232	3	36.8	94.2	76	77.1	2.8	1	15.2	4.92	33.5	182	84.8	94	192	39