

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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	Davis, CA	ALINA	6	40.9	96.1	60	74.8	1.4	1	12.6	3.96	33.4	124	45.5	510	123	30
2	Davis, CA	MISCAL=AZAF	2	47.0	93.9	50	76.8	1.8	1	12.5	5.27	43.2	113	59.2	157	169	45
3	Davis, CA	TAN 3	2	45.2	96.9	48	74.8	1.6	1	12.0	3.57	30.2	102	37.9	587	92	26
4	Davis, CA	CRAFT/MQ29	2	48.4	99.3	56	79.8	1.4	1	12.3	5.20	43.4	185	77.0	332	167	55
5	Davis, CA	CRAFT/MQ29	2	50.5	98.8	58	81.2	1.3	1	11.3	4.28	40.0	150	73.5	180	146	49
6	Davis, CA	ORCA//COORS/ND22202	2	59.7	98.9	45	78.2	1.9	1	13.4	5.55	41.5	91	70.3	605	212	45
7	Davis, CA	ORCA//COORS/ND22202	2	52.6	98.1	52	76.6	2.1	1	12.8	4.11	34.2	156	48.3	552	119	36
8	Davis, CA	ORCA//30IB299/ND22202	2	56.6	99.7	45	79.9	2.2	1	12.7	5.82	46.8	135	88.6	353	207	56
9	Davis, CA	ORCA//30IB299/ND22202	2	52.3	99.7	45	78.0	2.1	1	14.4	5.98	42.9	211	76.3	319	221	43
10	Davis, CA	ORCA//30IB299/ND22202	2	58.3	99.8	45	79.2	2.2	1	13.1	5.75	45.1	127	88.5	422	185	46
11	Davis, CA	29IB20//BSSA/ORCA	2	49.1	97.8	56	76.4	1.3	2	13.9	4.84	36.3	107	54.8	438	150	29
12	Davis, CA	29IB20//BSSA/ORCA	2	57.3	99.6	45	78.5	1.3	1	12.4	4.35	36.6	150	66.9	83	125	50
13	Davis, CA	29IB20//BSSA/ORCA	2	53.7	99.8	45	78.5	1.4	1	13.4	5.19	41.4	105	74.4	291	173	44
14	Davis, CA	29IB20//BSSA/ORCA	2	55.5	99.3	48	78.4	1.4	1	13.0	4.50	35.4	102	67.8	113	154	47
15	Davis, CA	29IB20//BSSA/ORCA	2	50.3	98.4	53	76.7	1.6	1	12.2	4.39	36.3	95	48.2	367	136	29
16	Davis, CA	29IB20//BSSA/ORCA	2	57.0	99.8	40	76.7	1.6	1	14.9	5.60	38.5	186	77.4	230	171	29
17	Davis, CA	29IB20//COORS/ND22202	2	58.8	99.5	48	76.5	1.2	1	12.6	4.28	34.5	119	56.3	523	117	36
18	Davis, CA	29IB20//COORS/ND22202	2	59.7	99.8	53	77.8	1.5	1	12.9	4.75	39.8	123	62.4	470	146	43
19	Davis, CA	29IB20//COORS/ND22202	2	49.0	99.3	50	77.2	1.7	1	15.4	6.06	41.2	181	70.9	85	197	43
20	Davis, CA	29IB20//COORS/ND22202	2	58.3	99.6	48	79.2	1.6	1	12.3	4.50	38.6	81	58.5	532	158	40
21	Davis, CA	29IB20//COORS/ND22202	2	52.1	99	52	75.9	1.6	1	14.0	4.83	36.1	115	62.7	548	170	30
22	Davis, CA	29IB20//MSEL/ORCA	2	55.3	99.6	39	76.6	1.8	1	14.6	5.50	38.1	122	66.8	485	192	38
23	Davis, CA	29IB20//MSEL/ORCA	2	55.9	99.4	43	78.4	1.5	1	13.1	4.61	36.8	164	61.6	360	143	42
24	Davis, CA	29IB20//MSEL/ORCA	2	52.7	97.8	46	78.2	1.8	1	12.4	5.08	42.1	177	61.1	296	170	52
25	Davis, CA	ORCA//MSEL/ND22202	2	57.2	99.3	40	78.1	1.7	1	13.2	4.51	34.5	149	73.9	541	153	42
26	Davis, CA	ORCA//MSEL/ND22202	2	47.2	96.9	50	77.4	1.4	1	13.0	4.01	32.4	148	68.2	506	128	34
27	Davis, CA	ORCA//MSEL/ND22202	2	60.7	99.8	45	79.0	2.5	1	13.9	6.09	45.2	139	93.6	628	233	40
28	Davis, CA	ORCA//MSEL/ND22202	2	51.1	98.5	51	79.8	2.5	1	14.1	6.48	47.8	155	105.5	199	258	38
29		HARRINGTON MALT CHECK		39.9	96.6	76	82.5	1.8	1	11.5	5.06	47.6	129	96.8	156	197	38
30	Davis, CA	ORCA//MSEL/ND22202	2	55.2	99	44	78.2	2.2	1	14.4	5.68	39.6	145	87.1	275	204	55
31	Davis, CA	ORCA//MSEL/ND22202	2	53.0	99.7	48	77.5	1.9	1	12.5	5.10	42.3	142	82.9	70	175	41
32	Davis, CA	ORCA//MSEL/ND22202	2	61.1	99.6	39	77.2	1.8	1	13.2	5.11	38.8	208	84.3	201	184	41
33	Davis, CA	ORCA//MSEL/ND22202	2	59.0	98.7	53	77.0	1.7	1	13.5	5.12	40.0	149	80.4	133	180	30
34	Davis, CA	ORCA//MSEL/ND22202	2	58.8	99.6	49	75.3	1.7	1	14.3	4.65	32.9	105	67.1	840	148	38
35	Davis, CA	ORCA//MSEL/ND22202	2	58.8	99.9	44	77.2	1.7	1	13.4	4.90	37.1	130	73.9	727	159	36
36	Davis, CA	ORCA//MSEL/ND22202	2	59.5	99.8	46	76.4	1.6	1	13.7	4.96	36.7	232	61.3	120	159	35
37	Davis, CA	ORCA//MSEL/ND22202	2	55.7	99.3	48	79.0	3.0	1	14.9	6.78	47.1	148	108.6	214	261	36
38	Davis, CA	ORCA//MSEL/ND22202	2	56.4	99.8	47	76.9	2.3	1	15.0	6.38	44.4	124	98.9	810	253	37
39	Davis, CA	ORCA//MSEL/ND22202	2	59.7	99.5	47	79.2	1.7	1	14.2	5.21	37.0	163	72.8	384	172	36
40	Davis, CA	ORCA//MSEL/ND22202	2	62.4	99.7	45	76.5	1.3	1	14.2	4.98	35.3	224	85.1	416	180	33
41	Davis, CA	ORCA//MSEL/ND22202	2	56.9	98.8	46	76.8	1.8	1	14.2	4.85	35.0	201	54.7	273	170	45
42	Davis, CA	ORCA//MSEL/ND22202	2	58.6	99.7	46	75.7	1.9	1	14.0	5.23	40.3	200	76.4	68	178	55
43	Davis, CA	ORCA//MSEL/ND22202	2	65.6	99.9	52	78.7	1.7	1	13.3	5.41	41.8	151	85.3	121	194	35
44	Davis, CA	ORCA//29IB20/ND22202	2	57.6	99.8	45	78.2	3.1	1	14.2	6.76	48.7	159	90.0	189	234	37
45	Davis, CA	ORCA//29IB20/ND22202	2	64.0	99.2	44	78.3	1.8	1	14.0	4.92	37.1	202	66.5	281	161	36
46	Davis, CA	ORCA//29IB20/ND22202	2	70.6	99.9	40	77.8	1.8	1	12.8	4.74	37.9	77	67.6	258	157	38
47	Davis, CA	ORCA//29IB20/ND22202	2	55.5	99.8	42	76.4	1.6	1	13.4	4.74	36.7	169	69.2	352	146	33
48	Davis, CA	ORCA//29IB20/ND22202	2	61.1	99.6	45	77.4	1.3	1	13.9	4.61	34.6	237	72.0	193	153	37
49	Davis, CA	ORCA//29IB20/ND22202	2	61.5	99.9	46	78.2	1.5	1	13.5	5.09	38.2	162	67.2	338	162	33

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50	Davis, CA	ORCA//29IB20/ND22202	2	65.2	99.7	43	77.1	1.4	1	13.9	4.48	33.1	215	68.5	160	147	67
51	Davis, CA	ORCA//29IB20/ND22202	2	60.0	99.8	44	80.1	1.8	1	12.0	5.34	45.7	146	95.9	84	204	58
52	Davis, CA	ORCA//29IB20/ND22202	2	62.3	99.8	54	80.2	2.9	1	12.6	5.95	49.6	120	86.7	77	220	46
53	Davis, CA	ORCA//29IB20/ND22202	2	62.8	99.7	47	77.8	2.4	1	13.7	5.97	44.1	147	74.4	75	205	58
54	Davis, CA	ORCA//29IB20/ND22202	2	58.9	99.5	44	79.8	2.0	1	12.3	5.67	47.7	143	97.1	59	208	36
55	Davis, CA	ORCA//29IB20/ND22202	2	64.0	99.8	44	76.8	3.3	1	15.5	7.01	45.3	135	96.4	182	248	38
56	Davis, CA	ORCA//29IB20/ND22202	2	61.5	99.5	38	77.1	3.8	1	14.7	7.42	51.3	193	73.3	60	248	40
57	Davis, CA	ORCA//29IB20/ND22202	2	54.6	99.7	53	77.9	3.8	1	13.3	7.04	54.4	101	83.2	98	256	36
58		HARRINGTON MALT CHECK		39.7	97.2	73	82.1	2.0	1	11.3	5.38	49.7	116	89.0	102	202	34
59	Davis, CA	29IB20/ORCA	2	67.4	99.9	45	77.5	3.0	1	15.1	6.72	45.9	137	93.7	158	247	47
60	Davis, CA	29IB20//ORCA/ND22202	2	63.0	99.6	44	75.4	1.7	1	14.6	5.70	39.2	146	77.1	639	204	48
61	Davis, CA	29IB20//ORCA/ND22202	2	60.8	99.4	54	78.1	1.6	1	12.3	4.66	39.5	131	69.5	291	152	31
62	Davis, CA	29IB20//ORCA/ND22202	2	55.4	99.7	51	80.5	2.2	1	11.3	5.45	49.7	79	86.1	337	214	42
63	Davis, CA	29IB20//ORCA/ND22202	2	60.4	99.8	43	77.7	2.8	1	13.7	7.06	51.4	133	88.5	191	260	46
64	Davis, CA	29IB20//ORCA/ND22202	2	63.6	99.9	45	79.3	3.4	1	13.5	7.16	51.9	148	82.8	81	265	29
65	Davis, CA	29IB20//ORCA/ND22202	2	50.7	99	44	77.0	1.5	1	11.9	4.67	40.0	195	74.2	101	155	45
66	Davis, CA	29IB20//ORCA/ND22202	2	53.4	95.1	47	77.7	1.7	1	11.7	4.17	36.2	98	47.1	178	137	44
67	Davis, CA	29IB20//ORCA/ND22202	2	64.8	99.7	47	78.4	2.2	1	12.0	5.49	47.8	67	70.9	464	203	33
68	Davis, CA	29IB20//ORCA/ND22202	2	66.6	99.9	42	77.8	2.1	1	12.2	5.21	45.4	65	69.1	542	190	26
69	Davis, CA	29IB20//ORCA/ND22202	2	61.1	99.6	52	76.3	1.5	1	13.8	4.60	35.4	144	58.8	277	139	55
70	Davis, CA	29IB20//ORCA/ND22202	2	54.7	96.4	45	77.4	1.7	1	11.8	3.96	34.8	91	46.0	187	127	51
71	Davis, CA	29IB20//ORCA/ND22202	2	58.6	99.4	55	80.0	1.7	1	11.5	4.99	46.9	104	69.0	287	189	37
72	Davis, CA	29IB20//ORCA/ND22202	2	53.0	99	52	81.3	2.2	1	11.7	5.56	49.4	62	84.8	375	219	30
73	Davis, CA	29IB20//ORCA/ND22202	2	49.9	99	43	79.5	1.2	1	13.8	4.68	34.2	111	69.8	511	154	33
74	Davis, CA	29IB20//ORCA/ND22202	2	50.4	93.6	50	77.4	1.6	1	12.6	3.97	33.7	102	45.7	198	128	53
75	Davis, CA	29IB20//ORCA/ND22202	2	57.7	99.5	51	75.8	1.3	1	13.7	4.81	35.5	128	59.6	515	164	33
76	Davis, CA	29IB20//ORCA/ND22202	2	54.0	98.9	54	80.2	1.9	1	12.2	5.41	46.9	82	85.4	463	211	26
77	Davis, CA	29IB20//ORCA/ND22202	2	56.5	98.5	57	77.1	1.4	1	13.8	4.58	34.2	139	64.8	458	139	36
78	Davis, CA	29IB20//ORCA/ND22202	2	65.1	99.8	49	74.6	1.5	1	14.4	4.97	34.9	96	62.8	410	157	40
79	Davis, CA	29IB20//ORCA/ND22202	2	54.0	98.8	46	77.6	1.6	1	12.7	4.74	38.6	94	65.9	192	167	40
80	Davis, CA	29IB20//ORCA/ND22202	2	58.0	99.5	46	77.8	1.5	1	12.7	4.50	37.0	117	55.8	455	142	50
81	Davis, CA	29IB20//ORCA/ND22202	2	61.3	99.9	50	77.6	1.7	1	12.9	4.66	36.6	117	59.9	397	160	43
82	Davis, CA	29IB20//ORCA/ND22202	2	52.3	99.2	45	78.1	2.1	1	12.3	5.35	45.1	74	73.1	349	213	51
83	Davis, CA	29IB20//ORCA/ND22202	2	60.1	99.8	52	77.8	1.5	1	12.9	4.98	39.6	124	67.9	466	177	50
84	Davis, CA	29IB20//ORCA/ND22202	2	54.2	98.4	51	79.8	2.5	1	12.1	5.89	49.3	116	84.6	120	239	43
85	Davis, CA	ORCA//MSEL/ND22202	2	53.9	99.6	45	78.4	1.6	1	14.1	5.82	41.4	173	92.4	52	215	36
86	Davis, CA	ORCA//MSEL/ND22202	2	62.0	99.5	39	76.6	1.7	1	14.4	5.58	40.2	228	85.5	194	221	33
87		LACEY MALT CHECK	6	34.2	91.5	55	79.6	2.1	1	12.9	5.69	46.2	150	74.6	101	223	38
88	Davis, CA	29IB20//COORS/ND22202	2	52.3	99.6	47	76.8	1.9	1	14.0	5.39	39.7	149	64.8	436	190	33
89	Davis, CA	29IB20//COORS/ND22202	2	52.7	99.6	43	76.8	1.7	1	14.2	5.16	37.5	109	66.1	141	168	35
90	Davis, CA	29IB20//COORS/ND22202	2	47.1	96.4	48	74.4	1.7	1	15.1	5.56	37.5	149	63.9	300	199	22
91	Davis, CA	29IB20//MSEL/ORCA	2	63.9	99.7	44	76.2	1.5	1	14.5	4.78	33.2	192	62.7	667	161	29
92	Davis, CA	29IB20//MSEL/ORCA	2	59.4	99.6	38	75.8	1.5	1	14.1	5.30	38.5	104	70.3	749	197	33
93	Davis, CA	29IB20//MSEL/ORCA	2	61.0	99.2	36	75.8	1.3	1	13.7	4.09	30.9	80	54.9	1083	141	33
94	Davis, CA	29IB20//MSEL/ORCA	2	49.7	98.6	40	76.1	1.3	1	12.8	3.99	32.2	75	52.3	594	141	34
95	Davis, CA	29IB20//MSEL/ORCA	2	55.9	99.6	46	77.8	1.3	1	13.7	4.57	34.2	179	62.2	424	160	42
96	Davis, CA	29IB20//MSEL/ORCA	2	54.2	99.4	50	77.2	1.4	1	13.6	4.81	36.0	130	54.8	844	178	39
97	Davis, CA	29IB20//MSEL/ORCA	2	62.9	99.9	45	76.0	2.1	1	15.3	5.66	37.3	125	55.2	251	204	34
98	Davis, CA	29IB20//MSEL/ORCA	2	54.7	99.2	43	78.0	1.5	1	13.9	5.14	38.1	222	75.4	269	199	43

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99	Davis, CA	29IB20//MSEL/ORCA	2	58.0	97.3	46	76.5	1.5	1	12.8	4.06	34.0	142	58.6	417	152	30
100	Davis, CA	29IB20//MSEL/ORCA	2	52.1	99.8	53	75.8	1.4	1	15.4	5.83	38.2	125	77.1	289	205	40
101	Davis, CA	29IB20//MSEL/ORCA	2	56.0	96.6	48	77.8	1.7	1	13.7	5.25	41.0	138	66.8	364	211	38
102	Davis, CA	29IB20//MSEL/ORCA	2	55.4	97.6	38	75.1	1.4	1	14.0	4.52	32.5	116	61.2	900	146	50
103	Davis, CA	29IB20//MSEL/ORCA	2	58.8	99.5	49	78.5	1.3	1	12.5	4.49	37.5	99	63.5	170	144	37
104	Davis, CA	29IB20//MSEL/ORCA	2	55.0	98.7	49	76.4	1.4	1	13.4	4.63	36.0	140	51.7	523	163	30
105	Davis, CA	29IB20//MSEL/ORCA	2	52.9	98.3	48	79.4	1.4	1	12.0	4.44	37.8	123	66.6	278	165	43
106	Davis, CA	29IB20//MSEL/ORCA	2	54.0	98.6	48	77.0	1.9	1	12.9	4.58	35.9	113	48.6	343	155	38
107	Davis, CA	29IB20//MSEL/ORCA	2	58.2	98.2	45	75.8	1.5	1	14.6	4.72	33.8	103	54.5	461	172	33
108	Davis, CA	29IB20//MSEL/ORCA	2	58.2	99.8	39	77.4	1.5	1	14.1	5.57	41.0	155	68.5	198	212	33
109	Davis, CA	29IB20//MSEL/ORCA	2	57.1	99.5	41	77.0	1.3	1	14.5	5.25	38.5	141	66.4	389	195	29
110	Davis, CA	29IB20//MSEL/ORCA	2	52.1	99.6	49	77.1	1.4	1	13.6	4.70	35.6	138	60.1	741	170	29
111	Davis, CA	29IB20//MSEL/ORCA	2	51.6	98.2	50	76.7	1.2	1	13.9	4.77	35.5	182	78.6	402	163	36
112	Davis, CA	29IB20//MSEL/ORCA	2	63.0	99.8	46	75.6	1.2	1	14.4	4.33	31.5	139	62.4	900	128	38
113	Davis, CA	29IB20//MSEL/ORCA	2	62.8	99.8	37	76.3	1.3	1	14.5	4.39	30.7	190	61.8	514	131	33
114	Davis, CA	29IB20//MSEL/ORCA	2	59.1	99.7	43	74.8	1.4	1	15.2	5.54	36.8	149	70.8	847	189	50
115	Davis, CA	ORCA//MSEL/ND22202	2	55.3	99.1	41	76.2	1.6	1	14.6	5.58	39.2	179	73.3	154	211	50
116		HARRINGTON MALT CHECK	2	40.6	97.6	77	82.3	1.7	1	11.4	5.37	49.7	130	95.5	117	210	44
117	Davis, CA	ORCA//MSEL/ND22202	2	57.0	99.2	47	75.7	1.4	1	15.2	4.94	33.1	256	80.8	398	155	58
118	Davis, CA	ORCA//MSEL/ND22202	2	56.3	98.7	47	77.4	1.7	1	13.1	5.18	40.3	159	86.6	73	177	41
119	Davis, CA	Z11801210/C7862	2	51.1	99.6	46	74.7	1.9	1	13.8	5.38	41.0	198	80.4	57	194	33
120	Davis, CA	29IB20//ORCA/ND22202	2	66.7	99.8	52	79.2	1.7	1	10.6	4.41	43.7	108	62.5	164	149	36
121	Davis, CA	29IB20//ORCA/ND22202	2	54.0	99.5	52	80.0	1.6	1	13.1	5.82	46.0	265	110.2	58	219	33
122	Davis, CA	29IB20//MSEL/ORCA	2	56.9	99.9	37	77.5	1.2	1	14.6	5.37	38.5	202	81.3	143	206	33
123	Davis, CA	29IB20//MSEL/ORCA	2	56.1	99.4	41	77.5	1.1	1	13.8	5.03	38.1	194	81.4	228	171	37
124	Davis, CA	29IB20//MSEL/ORCA	2	55.8	99.3	43	76.1	1.0	1	12.7	3.84	31.1	155	67.3	567	116	38
125	Davis, CA	29IB20//MSEL/ORCA	2	57.0	98.1	43	75.4	1.2	1	15.3	5.34	35.4	169	81.3	584	169	30
126	Davis, CA	ORCA//COORS/ND22202	2	56.4	98.9	47	76.5	1.1	1	14.9	4.55	31.5	187	60.3	359	141	26
127	Davis, CA	ORCA//COORS/ND22202	2	59.5	99	44	78.4	1.1	1	14.0	4.82	35.0	213	87.8	587	162	38
128	Davis, CA	ORCA//COORS/ND22202	2	50.2	98.1	50	76.1	1.2	1	13.2	4.66	35.7	152	79.5	290	164	40
129	Davis, CA	ORCA//COORS/ND22202	2	53.8	99.6	41	76.3	1.3	1	14.4	4.88	35.6	115	67.5	309	155	42
130	Davis, CA	ORCA//COORS/ND22202	2	54.7	98.8	43	76.2	1.2	1	13.6	4.69	34.9	99	68.8	508	151	33
131	Davis, CA	ORCA//COORS/ND22202	2	55.5	99.4	40	77.7	1.4	1	13.1	4.67	37.8	105	71.1	129	145	41
132	Davis, CA	ORCA//COORS/ND22202	2	54.7	98.9	55	77.9	1.3	1	13.6	4.98	37.3	224	96.4	69	163	33
133	Davis, CA	ORCA//COORS/ND22202	2	57.7	99.1	46	78.6	1.2	1	13.8	5.10	38.4	165	96.7	272	203	33
134	Davis, CA	29IB20//COORS/ND22202	2	52.5	98.1	41	75.8	1.3	1	14.8	5.04	36.0	156	85.7	575	166	36
135	Davis, CA	29IB20//COORS/ND22202	2	54.9	99.1	49	77.0	1.3	1	13.3	4.74	36.8	186	67.1	109	155	33
136	Davis, CA	29IB20//COORS/ND22202	2	52.2	98.5	45	77.2	1.2	1	13.9	4.91	36.9	154	88.4	383	159	35
137	Davis, CA	29IB20//COORS/ND22202	2	54.2	98.2	50	75.5	1.2	1	14.1	4.82	35.0	171	72.6	410	165	39
138	Davis, CA	29IB20//COORS/ND22202	2	55.7	99.7	43	76.8	1.3	1	14.2	4.91	34.7	144	82.5	143	166	30
139	Davis, CA	29IB20//COORS/ND22202	2	63.7	99.6	51	78.3	1.2	1	13.6	4.37	34.1	135	68.4	279	141	30
140	Davis, CA	29IB20//COORS/ND22202	2	63.6	99.8	42	78.2	1.6	1	13.1	4.66	35.7	88	64.8	535	161	39
141	Davis, CA	29IB20//COORS/ND22202	2	52.0	98.7	50	76.6	1.9	1	14.4	5.99	42.1	131	75.3	314	211	47
142	Davis, CA	29IB20//COORS/ND22202	2	55.6	99.3	42	75.4	1.6	1	14.5	4.99	34.4	101	62.0	474	155	33
143	Davis, CA	29IB20//COORS/ND22202	2	58.3	99.2	39	75.7	1.5	1	15.0	4.98	34.4	101	58.6	500	153	39
144	Davis, CA	29IB20//COORS/ND22202	2	58.9	99.6	51	77.6	1.0	1	12.7	4.37	34.5	185	70.4	194	141	64
145		HARRINGTON MALT CHECK	2	40.1	97.2	75	82.5	1.4	1	11.7	5.20	48.4	136	95.2	143	200	60
146	Davis, CA	29IB20//COORS/ND22202	2	57.6	99.8	50	79.1	1.1	1	12.3	4.64	38.1	205	76.6	285	150	47
147	Davis, CA	29IB20//COORS/ND22202	2	58.8	99.2	49	76.2	1.1	1	13.6	4.63	34.9	145	71.4	410	145	33

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
148	Davis, CA	29IB20/COORS/ND22202	2	62.3	99.9	50	77.9	1.1	1	12.5	4.36	37.2	137	63.7	695	135	39
149	Davis, CA	BUTTA 12-96	2	49.2	99.7	37	78.8	1.6	1	12.8	5.13	40.3	227	83.0	43	190	62
150	Buffalo County, W	Berg Newdale	2	30.9	60.7	23	77.1	8.1	1	13.2	8.20	62.2	69	98.3	40	324	26
151	Buffalo County, W	Berg Stellar	6	31.2	82.1	36	77.8	4.9	1	12.5	7.28	58.5	110	90.9	183	288	37
152	Buffalo County, W	Berg Scarlett	2	27.5	68.7	22	78.0	6.9	1	13.7	8.03	59.6	96	117.4	69	317	25
153	Buffalo County, W	Berg Pinnacle	2	35.4	85.5	22	78.3	4.3	1	12.0	6.40	54.0	62	100.8	128	250	34
154	Buffalo County, W	Coch Stellar	6	27.8	77	39	78.5	6.1	1	12.5	7.21	58.7	83	81.2	115	288	41
155	Buffalo County, W	Coch Pinnacle	2	34.7	90.8	24	81.2	5.4	1	10.3	6.00	60.1	58	75.8	256	233	37
156	Buffalo County, W	Coch Stellar	6	30.2	88.5	31	80.6	4.8	1	10.8	6.19	57.9	72	89.3	246	257	38
157	Buffalo County, W	Coch Newdale	2	28.7	66.6	28	78.9	8.3	1	11.6	7.38	61.0	85	103.0	58	306	35
158	Buffalo County, W	Waum Stellar	6	29.7	75.1	24	75.4	5.1	1	16.5	7.39	45.1	218	101.7	72	336	38
159	Buffalo County, W	Waum Pinnacle	2	33.7	84.8	16	76.5	4.3	1	14.7	7.21	51.2	128	104.3	99	267	28
160	Buffalo County, W	Waum Scarlett	2	30.9	85	15	77.2	5.6	1	16.6	7.42	45.0	127	107.5	82	300	36
161	Buffalo County, W	Waum Newdale	2	29.4	63.5	23	75.4	8.2	1	18.5	7.39	41.2	110	99.0	41	359	30
162	Corvallis, OR	OBELT-11 1	6	36.5	87.5	53	79.3	3.7	2	10.2	4.22	45.1	91	62.1	365	149	38
163	Corvallis, OR	OBELT-11 2	6	33.9	84.2	59	78.2	3.3	2	8.6	3.44	42.1	67	44.8	623	109	32
164	Corvallis, OR	OBELT-11 3	6	34.7	86.5	52	79.3	3.3	2	10.2	4.39	45.0	101	65.6	400	174	38
165	Corvallis, OR	OBELT-11 4	6	33.0	76.9	59	79.3	1.9	1	10.1	4.10	41.5	84	53.5	449	150	32
166	Corvallis, OR	OBELT-11 5	6	31.8	81.2	62	80.5	3.4	2	8.6	4.03	48.7	87	49.6	318	160	29
167	Corvallis, OR	OBELT-11 6	6	28.9	78.4	42	80.4	2.4	1	9.4	4.92	55.7	121	91.8	152	212	44
168	Corvallis, OR	OBELT-11 7	6	26.0	55	53	78.5	2.1	1	10.7	4.66	47.8	128	67.9	112	205	37
169	Corvallis, OR	OBELT-11 8	6	30.3	84.8	40	81.1	2.2	1	9.2	4.77	56.9	110	92.3	137	201	41
170	Corvallis, OR	OBELT-11 9	6	29.9	84.1	42	80.3	2.3	1	9.5	4.84	55.5	120	88.7	160	203	46
171	Corvallis, OR	OBELT-11 10	6	31.6	85.4	43	80.7	2.2	1	9.1	4.71	54.4	108	86.6	163	197	39
172	Corvallis, OR	OBELT-11 11	6	31.3	86.3	42	80.8	2.3	1	9.7	4.75	54.0	109	85.3	212	210	38
173	Corvallis, OR	OBELT-11 12	6	31.9	87.7	40	80.5	2.4	1	9.9	4.87	52.3	110	84.7	192	213	41
174		LACEY MALT CHECK	6	35.5	94.3	51	79.8	2.2	1	12.1	5.39	46.3	150	73.8	75	205	70
175	Corvallis, OR	OBELT-11 13	6	32.6	81.8	48	79.1	3.3	2	9.3	4.05	46.9	90	58.0	216	166	38
176	Corvallis, OR	OBELT-11 14	6	31.9	86.9	57	80.6	4.2	2	8.6	4.28	52.4	103	53.4	194	155	32
177	Corvallis, OR	OBELT-11 15	6	40.4	91.6	50	76.5	3.8	2	9.5	3.58	40.1	68	41.2	730	111	20
178	Corvallis, OR	OBELT-11 16	6	37.0	93.2	48	80.1	3.0	2	9.1	3.66	44.5	77	49.6	339	132	35
179	Corvallis, OR	OBELT-11 17	6	33.2	92	43	80.6	2.9	2	8.6	3.80	45.4	92	56.8	145	132	41
180	Corvallis, OR	OBELT-11 18	6	32.5	89.2	46	79.7	3.1	2	8.4	3.62	47.3	69	54.5	133	135	36
181	Corvallis, OR	OBELT-11 19	6	33.4	91.4	50	79.0	3.4	2	8.9	3.58	45.5	80	48.8	395	127	35
182	Corvallis, OR	OBELT-11 20	6	34.7	87.5	46	79.8	2.8	2	8.1	3.34	45.9	72	54.3	145	123	41
183	Corvallis, OR	OBELT-11 21	6	30.5	76.2	55	79.8	2.4	2	7.7	3.38	45.3	69	48.4	257	121	32
184	Corvallis, OR	OBELT-11 22	6	28.3	80	51	79.9	2.3	2	9.3	4.33	47.4	89	67.9	187	180	30
185	Corvallis, OR	OBELT-11 23	6	33.7	85.8	60	79.5	3.0	2	7.8	3.60	48.5	74	43.9	243	121	30
186	Corvallis, OR	OBELT-11 24	6	37.5	86.8	57	78.1	2.3	2	8.4	3.77	47.1	65	42.0	519	136	24
187	Corvallis, OR	OBELT-11 25	6	33.7	85.8	50	79.6	3.2	2	8.6	3.74	45.5	68	52.0	250	138	38
188	Corvallis, OR	OBELT-11 26	6	28.8	70.6	49	78.4	2.8	2	8.7	3.71	47.6	78	51.0	251	135	22
189	Corvallis, OR	OBELT-11 27	6	33.6	90.3	46	79.5	n.d.	3	8.1	3.81	48.2	69	50.2	352	143	32
190	Corvallis, OR	OBELT-11 30	2	36.5	95.2	40	81.9	2.0	1	9.8	4.87	57.7	104	82.3	284	183	43
191	Corvallis, OR	OBADV-11 1	6	40.3	97.8	42	78.4	n.d.	3	9.5	3.48	38.0	84	27.0	928	99	22
192	Corvallis, OR	OBADV-11 2	6	31.8	89.4	54	78.5	2.0	1	9.0	3.59	41.8	69	39.1	661	119	23
193	Corvallis, OR	OBADV-11 3	6	34.2	93.3	43	75.9	n.d.	3	10.8	3.44	32.3	82	31.8	1155	97	15
194	Corvallis, OR	OBADV-11 4	6	32.4	81.2	49	77.8	2.2	1	9.9	4.05	42.9	72	48.5	342	124	30
195	Corvallis, OR	OBADV-11 5	6	31.5	67.7	54	74.5	2.1	1	11.0	3.97	36.8	83	36.7	522	126	11
196	Corvallis, OR	OBADV-11 6	6	35.0	90.7	45	75.9	n.d.	3	9.4	3.04	33.3	72	22.5	816	77	15

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
197	Corvallis, OR	OBADV-11 7	6	33.2	83.2	44	76.0	n.d.	3	9.5	3.65	40.2	79	33.4	659	114	15
198	Corvallis, OR	OBADV-11 8	6	37.5	94.9	36	77.0	n.d.	3	11.0	3.71	34.3	90	29.0	395	103	15
199	Corvallis, OR	OBADV-11 9	6	33.1	83.1	49	74.8	n.d.	3	10.5	3.30	31.4	66	25.2	1050	86	15
200	Corvallis, OR	OBADV-11 10	6	32.8	81.8	29	76.7	n.d.	3	10.3	4.23	41.6	93	39.8	384	146	15
201	Corvallis, OR	OBADV-11 11	6	26.2	44.2	47	73.2	2.5	2	10.0	4.17	44.0	93	39.2	532	145	11
202	Corvallis, OR	OBADV-11 12	6	33.0	79.4	43	75.4	n.d.	3	9.8	3.83	40.2	76	38.2	912	120	13
203		LACEY MALT CHECK	6	32.6	90.3	56	79.6	2.0	1	12.5	5.56	46.4	144	66.4	85	205	70
204	Corvallis, OR	OBADV-11 13	6	35.6	89.2	41	77.0	n.d.	3	9.8	3.86	41.0	104	33.8	452	122	15
205	Corvallis, OR	OBADV-11 14	6	32.4	89.4	55	76.5	n.d.	3	9.4	3.26	36.7	61	26.0	961	90	15
206	Corvallis, OR	OBADV-11 15	6	34.2	88.3	50	79.3	n.d.	3	9.4	3.56	38.2	76	39.1	532	105	25
207	Corvallis, OR	OBADV-11 16	6	30.4	63.7	51	74.9	n.d.	3	10.1	3.61	36.0	89	30.5	316	95	9
208	Corvallis, OR	OBADV-11 17	6	29.2	83.1	46	75.8	n.d.	3	10.4	3.79	36.6	85	27.1	712	118	12
209	Corvallis, OR	OBADV-11 18	6	35.2	95.4	32	75.9	n.d.	3	10.6	4.12	39.2	121	32.0	397	128	19
210	Corvallis, OR	OBADV-11 19	6	35.3	94.8	42	77.3	n.d.	3	10.2	3.42	35.8	87	30.3	739	92	15
211	Corvallis, OR	OBADV-11 20	6	35.2	94.9	39	78.6	n.d.	3	11.5	4.23	38.9	110	40.0	515	139	31
212	Corvallis, OR	OBADV-11 21	6	39.7	94.3	48	78.9	n.d.	3	9.6	3.63	39.6	61	31.1	300	99	22
213	Corvallis, OR	OBADV-11 22	6	32.4	82	42	76.2	3.5	2	10.0	4.11	43.4	79	40.8	213	136	25
214	Corvallis, OR	OBADV-11 23	6	31.6	94.3	36	77.1	2.6	2	11.5	4.15	38.2	106	40.1	275	131	19
215	Corvallis, OR	OBADV-11 24	6	36.6	94.2	43	78.6	n.d.	3	9.8	3.54	37.3	82	33.8	577	99	22
216	Corvallis, OR	OBADV-11 25	6	34.9	88.9	55	79.7	n.d.	3	8.6	3.48	41.2	64	32.3	254	95	25
217	Corvallis, OR	OBADV-11 26	6	36.2	89.9	54	76.0	n.d.	3	9.6	3.50	37.0	65	27.4	772	96	15
218	Corvallis, OR	OBADV-11 27	6	29.0	78.7	39	74.0	n.d.	3	10.5	3.51	34.3	94	26.6	843	96	10
219	Corvallis, OR	OBADV-11 28	6	35.0	93.2	49	77.5	3.2	2	9.8	3.31	34.7	82	27.4	928	87	16
220	Corvallis, OR	OBADV-11 29	6	25.4	60.1	46	75.7	n.d.	3	9.8	3.54	36.3	92	27.2	889	93	5
221	Corvallis, OR	OBADV-11 30	6	31.4	81.3	45	74.4	3.2	2	10.0	3.53	36.7	75	30.6	522	98	15
222	Corvallis, OR	OBADV-11 31	6	27.5	88.3	46	76.7	n.d.	3	10.3	3.50	35.6	75	25.1	554	99	10
223	Corvallis, OR	OBADV-11 32	6	35.6	91	44	73.9	n.d.	3	11.1	3.18	29.6	81	26.8	1146	88	15
224	Corvallis, OR	OBADV-11 33	6	34.0	90.2	56	79.5	2.6	2	9.9	4.24	47.2	87	56.6	372	148	33
225	Corvallis, OR	OBADV-11 34	6	24.7	54.4	50	78.0	1.9	1	9.8	4.51	46.3	139	60.5	71	178	34
226	Corvallis, OR	OBADV-11 35	6	22.3	38.1	36	71.9	n.d.	3	11.4	4.14	37.5	101	43.7	246	148	9
227	Corvallis, OR	OBADV-11 36	6	35.5	91.9	56	79.7	2.1	2	8.5	3.39	41.0	61	42.8	372	108	30
228	Corvallis, OR	OBPYT 1	6	34.8	91.3	42	77.9	n.d.	3	8.6	3.42	44.0	79	43.9	109	109	35
229	Corvallis, OR	OBPYT 2	6	31.1	91.3	41	77.6	4.1	2	9.8	4.35	45.9	95	51.6	253	143	27
230	Corvallis, OR	OBPYT 3	6	30.3	83.9	55	79.9	3.4	2	8.5	3.99	50.8	67	52.3	204	144	32
231	Corvallis, OR	OBPYT 4	6	30.1	93.2	43	79.9	2.1	1	8.6	3.89	50.3	66	42.7	280	141	30
232		LACEY MALT CHECK	6	33.4	90.8	59	79.9	2.1	1	12.9	5.65	45.7	124	62.2	69	215	67
233	Corvallis, OR	OBPYT 5	6	31.4	89.1	54	79.1	3.4	2	8.1	3.27	43.4	70	46.8	95	113	41
234	Corvallis, OR	OBPYT 6	6	33.6	95.6	39	78.1	n.d.	3	10.3	4.28	42.6	106	65.7	279	151	31
235	Corvallis, OR	OBPYT 7	6	34.6	90.3	40	78.2	n.d.	3	9.4	3.57	39.2	84	38.7	350	121	22
236	Corvallis, OR	OBPYT 8	6	35.3	93.8	56	77.3	n.d.	3	8.0	3.13	40.7	60	33.5	308	89	15
237	Corvallis, OR	OBPYT 9	6	33.0	93.5	44	78.2	4.7	2	8.9	3.11	37.1	68	33.3	857	89	23
238	Corvallis, OR	OBPYT 10	6	32.4	88	45	80.1	3.3	2	8.3	4.02	48.7	75	68.4	47	153	40
239	Corvallis, OR	OBPYT 11	6	37.2	94.9	38	81.2	4.3	2	7.7	3.63	48.3	74	58.5	44	130	40
240	Corvallis, OR	OBPYT 12	6	27.3	84.9	52	80.6	1.7	1	7.9	3.49	47.6	71	57.4	140	137	32
241	Corvallis, OR	OBPYT 13	6	39.9	97.9	42	82.3	n.d.	3	8.3	3.80	48.7	78	50.6	166	133	35
242	Corvallis, OR	OBPYT 14	6	30.6	90.9	59	80.6	3.1	2	7.7	3.17	42.5	65	38.2	174	94	30
243	Corvallis, OR	OBPYT 15	6	34.7	90.1	55	80.3	2.3	1	7.0	2.95	42.8	51	38.5	120	96	39
244	Corvallis, OR	OBPYT 16	6	36.1	96	41	77.5	n.d.	3	8.5	3.29	40.1	68	41.2	522	103	19
245	Corvallis, OR	OBPYT 17	6	39.0	97.3	37	77.2	n.d.	3	10.0	3.40	36.0	83	38.5	287	112	15

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
246	Corvallis, OR	OBPYT 18	6	34.0	89.6	57	78.1	n.d.	3	8.0	3.15	40.1	55	35.4	442	96	19
247	Corvallis, OR	OBPYT 19	6	39.8	97	36	80.0	n.d.	3	9.1	4.15	48.3	88	47.8	105	145	36
248	Corvallis, OR	OBPYT 20	6	33.8	87.6	49	81.2	n.d.	3	7.8	3.63	49.2	69	46.7	132	128	32
249	Corvallis, OR	OBPYT 21	6	37.8	96.8	38	82.5	n.d.	3	8.3	3.56	45.2	76	49.3	181	124	34
250	Corvallis, OR	OBPYT 22	6	29.4	89.2	60	81.0	1.8	1	8.6	3.66	46.5	79	42.0	104	126	40
251	Corvallis, OR	OBPYT 23	6	33.2	91.6	47	79.3	1.7	1	10.1	3.89	41.1	71	47.8	231	143	31
252	Corvallis, OR	OBPYT 24	6	32.7	86.7	54	78.0	n.d.	3	8.4	3.60	43.8	61	40.1	799	117	28
253	Corvallis, OR	OBPYT 25	6	36.0	97.3	51	79.3	3.6	2	7.6	2.93	41.7	47	33.5	573	96	26
254	Corvallis, OR	OBPYT 26	6	31.8	94.7	43	78.6	2.7	2	9.8	3.96	42.0	82	40.8	529	137	26
255	Corvallis, OR	OBPYT 27	6	32.1	89	42	74.9	n.d.	3	10.5	3.22	32.4	82	32.7	955	96	15
256	Corvallis, OR	OBPYT 28	6	29.0	75	42	77.6	1.9	1	10.5	4.09	41.0	101	59.2	551	155	19
257	Corvallis, OR	OBPYT 29	6	38.1	93.6	47	79.0	1.8	1	9.4	3.96	43.6	89	59.5	147	147	39
258	Corvallis, OR	OBPYT 30	6	31.5	81.8	63	77.9	1.7	1	9.7	3.64	38.7	97	57.9	164	125	30
259	Corvallis, OR	OBPYT 31	6	33.0	91.1	36	79.4	2.1	1	10.3	4.52	45.2	114	72.5	222	172	39
260	Corvallis, OR	OBPYT 32	6	27.7	71.2	42	75.7	3.0	2	10.5	3.99	38.2	101	53.3	357	144	13
261	Corvallis, OR	OBPYT 33	6	40.1	97	35	76.2	n.d.	3	9.8	3.49	38.0	88	45.3	1008	109	19
262	Corvallis, OR	OBPYT 34	6	33.0	87.8	55	79.3	2.1	1	9.2	3.99	44.0	89	55.6	132	127	42
263		LACEY MALT CHECK	6	35.6	93.2	52	80.0	2.2	2	12.7	5.60	46.0	148	72.5	82	218	69
264	Corvallis, OR	OBPYT 35	6	23.1	42	35	72.6	n.d.	3	11.2	4.23	38.8	109	45.4	267	162	9
265	Corvallis, OR	OBPYT 36	6	27.4	71.4	51	79.5	2.4	1	9.7	4.44	48.2	108	60.0	78	192	34
266	Corvallis, OR	OBPYT-2 6	6	34.1	95.3	44	79.1	2.3	1	11.2	5.26	49.5	110	71.8	79	221	53
267	Corvallis, OR	OBPYT-2 10	6	29.6	87.7	46	79.1	2.6	1	9.3	4.37	50.4	113	65.7	90	177	38
268	Pendleton, OR	OBELT-11 1	6	35.3	93.4	74	79.0	n.d.	3	10.1	3.84	38.8	88	53.1	200	126	29
269	Pendleton, OR	OBELT-11 2	6	34.2	88.6	73	77.5	1.9	2	11.1	3.69	33.7	94	40.4	546	105	20
270	Pendleton, OR	OBELT-11 3	6	35.1	96	72	80.4	n.d.	3	10.3	4.17	41.0	88	57.6	103	136	39
271	Pendleton, OR	OBELT-11 4	6	34.6	91.8	81	82.2	1.7	1	9.1	3.82	43.1	93	51.6	55	116	46
272	Pendleton, OR	OBELT-11 5	6	31.0	87	79	81.2	n.d.	3	9.3	3.91	44.4	99	47.4	85	130	40
273	Pendleton, OR	OBELT-11 6	6	31.0	89.2	62	80.8	2.0	1	9.5	4.82	52.3	110	79.1	63	186	43
274	Pendleton, OR	OBELT-11 7	6	27.7	75.9	73	80.8	n.d.	3	8.7	3.84	45.3	109	44.7	49	135	34
275	Pendleton, OR	OBELT-11 8	6	30.3	88.9	62	81.4	1.9	1	9.1	4.64	53.1	105	79.2	64	173	40
276	Pendleton, OR	OBELT-11 9	6	31.2	93.1	60	82.0	2.0	1	8.9	4.39	52.2	95	79.6	52	164	40
277	Pendleton, OR	OBELT-11 10	6	28.2	73.7	68	79.2	1.8	1	9.9	4.68	49.4	120	78.3	75	167	36
278	Pendleton, OR	OBELT-11 11	6	31.4	90.9	61	81.1	1.9	1	9.7	4.55	47.0	108	76.1	105	165	40
279	Pendleton, OR	OBELT-11 12	6	32.4	94.8	57	82.2	1.9	1	8.8	4.42	53.2	87	79.4	57	169	41
280	Pendleton, OR	OBELT-11 13	6	32.9	94.8	74	81.4	n.d.	3	8.0	3.63	49.1	69	53.4	53	127	39
281	Pendleton, OR	OBELT-11 14	6	31.6	93.8	78	81.9	n.d.	3	8.0	3.79	52.0	100	46.4	42	121	35
282	Pendleton, OR	OBELT-11 15	6	36.7	93.5	75	79.1	n.d.	3	8.3	3.36	44.8	75	41.9	174	101	34
283	Pendleton, OR	OBELT-11 16	6	37.2	96.6	75	81.3	n.d.	3	8.0	3.49	47.3	76	46.4	140	112	32
284	Pendleton, OR	OBELT-11 17	6	32.3	94.4	69	81.4	n.d.	3	8.1	3.50	44.7	90	46.9	67	113	41
285	Pendleton, OR	OBELT-11 18	6	33.4	97.3	64	81.1	n.d.	3	7.8	3.36	44.7	74	44.2	58	104	41
286	Pendleton, OR	OBELT-11 19	6	33.8	97	68	79.5	n.d.	3	8.6	3.37	39.7	90	43.9	162	103	32
287	Pendleton, OR	OBELT-11 20	6	34.2	95.5	63	81.3	2.4	1	7.8	3.43	48.5	70	53.8	40	116	41
288	Pendleton, OR	OBELT-11 21	6	33.1	89.6	76	80.8	1.8	1	8.0	3.35	44.4	81	46.8	91	104	43
289	Pendleton, OR	OBELT-11 22	6	30.5	87.2	62	82.1	n.d.	3	8.3	3.85	47.3	89	56.7	43	142	38
290	Pendleton, OR	OBELT-11 23	6	34.2	96.4	78	80.8	2.2	2	7.5	3.31	46.5	86	40.2	60	91	42
291	Pendleton, OR	OBELT-11 24	6	40.4	97.8	74	80.8	1.6	1	7.6	3.41	48.5	72	45.2	91	108	38
292		LACEY MALT CHECK	6	35.0	93.6	55	79.6	2.0	1	12.4	5.66	47.2	142	76.2	77	206	65
293	Pendleton, OR	OBELT-11 25	6	34.5	96.6	67	81.1	n.d.	3	7.9	3.41	48.3	76	49.4	51	112	36
294	Pendleton, OR	OBELT-11 26	6	31.8	91.3	72	81.0	n.d.	3	8.1	3.45	46.0	83	49.5	45	110	40

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
295	Pendleton, OR	OBELT-11 27	6	33.7	95.4	63	80.4	n.d.	3	8.2	3.43	43.5	70	43.7	156	111	37
296	Pendleton, OR	OBELT-11 30	2	36.9	92	67	81.7	2.0	1	10.5	4.66	47.7	113	88.9	132	177	43
297	Pendleton, OR	OBADV-11 1	6	37.0	96.4	65	78.2	n.d.	3	9.9	3.28	34.1	93	27.9	386	87	19
298	Pendleton, OR	OBADV-11 2	6	35.2	97.6	74	79.0	2.1	2	9.9	3.17	33.3	84	38.6	468	95	26
299	Pendleton, OR	OBADV-11 3	6	36.1	99.7	64	78.4	2.3	2	10.2	3.27	32.5	94	38.0	588	100	23
300	Pendleton, OR	OBADV-11 4	6	34.6	93.6	77	79.5	1.6	1	9.1	3.42	37.9	110	44.6	131	102	34
301	Pendleton, OR	OBADV-11 5	6	34.2	84.2	72	76.8	2.0	1	10.0	3.62	37.3	100	38.1	318	125	17
302	Pendleton, OR	OBADV-11 6	6	32.3	91.1	70	76.7	n.d.	3	8.7	2.97	36.6	69	24.2	648	79	15
303	Pendleton, OR	OBADV-11 7	6	32.5	89.3	66	77.9	n.d.	3	9.4	3.37	38.7	95	35.5	521	116	19
304	Pendleton, OR	OBADV-11 8	6	37.5	97.4	58	79.2	n.d.	3	9.4	3.42	38.9	76	28.8	526	109	25
305	Pendleton, OR	OBADV-11 9	6	36.0	93.9	71	77.0	n.d.	3	10.8	3.39	33.1	89	30.6	684	106	15
306	Pendleton, OR	OBADV-11 10	6	32.2	88.3	52	77.4	2.9	2	10.4	3.91	38.0	99	38.5	415	152	16
307	Pendleton, OR	OBADV-11 11	6	30.0	84.8	63	76.3	n.d.	3	9.4	3.38	38.9	76	33.5	717	124	14
308	Pendleton, OR	OBADV-11 12	6	34.0	90.8	64	77.0	2.6	2	9.6	3.50	38.7	88	39.7	703	133	16
309	Pendleton, OR	OBADV-11 13	6	35.9	95.1	64	78.0	3.0	2	9.7	3.73	40.9	90	38.1	503	137	20
310	Pendleton, OR	OBADV-11 14	6	35.6	95.8	70	79.9	2.4	2	9.6	3.44	39.3	71	34.5	362	120	26
311	Pendleton, OR	OBADV-11 15	6	37.0	96	69	80.4	1.7	1	9.7	3.45	36.8	83	39.7	520	112	27
312	Pendleton, OR	OBADV-11 16	6	34.9	88.3	64	77.1	n.d.	3	10.2	3.55	36.6	100	32.0	381	108	15
313	Pendleton, OR	OBADV-11 17	6	30.2	86.9	62	75.6	n.d.	3	12.2	3.95	33.7	96	29.0	555	133	19
314	Pendleton, OR	OBADV-11 18	6	35.4	91.1	53	75.1	n.d.	3	11.4	3.65	34.7	113	29.2	569	118	15
315	Pendleton, OR	OBADV-11 19	6	34.3	94.1	63	77.5	n.d.	3	10.0	3.32	35.7	99	32.9	532	101	15
316	Pendleton, OR	OBADV-11 20	6	35.6	96.2	66	80.0	n.d.	3	10.2	3.94	40.6	101	38.6	402	144	25
317	Pendleton, OR	OBADV-11 21	6	39.5	97.6	70	79.3	n.d.	3	9.8	3.41	37.5	68	31.9	476	110	25
318	Pendleton, OR	OBADV-11 22	6	36.0	94.9	64	78.7	n.d.	3	9.2	3.91	44.2	82	41.5	231	145	31
319	Pendleton, OR	OBADV-11 23	6	30.2	90.5	61	77.3	n.d.	3	10.7	3.75	38.5	89	38.0	249	132	14
320	Pendleton, OR	OBADV-11 24	6	36.3	96.2	68	79.3	n.d.	3	10.0	3.41	37.0	76	34.1	415	108	25
321		LACEY MALT CHECK	6	35.3	94.1	49	79.8	2.5	1	13.2	5.53	43.9	130	66.1	142	221	63
322	Pendleton, OR	OBADV-11 25	6	35.9	90	70	80.0	n.d.	3	9.5	3.51	40.2	79	37.3	366	111	25
323	Pendleton, OR	OBADV-11 26	6	38.5	97.2	73	77.7	n.d.	3	9.0	3.17	38.3	65	30.7	525	100	19
324	Pendleton, OR	OBADV-11 27	6	30.8	82.7	66	76.2	n.d.	3	9.7	3.16	35.5	81	30.3	711	99	14
325	Pendleton, OR	OBADV-11 28	6	34.5	91.3	57	75.7	2.7	2	12.8	3.44	28.4	105	31.8	1040	101	21
326	Pendleton, OR	OBADV-11 29	6	28.5	70.9	66	75.9	n.d.	3	10.2	3.03	31.4	85	30.3	1193	87	7
327	Pendleton, OR	OBADV-11 30	6	31.4	79.7	61	71.7	2.7	2	13.6	3.63	28.5	88	26.1	789	114	13
328	Pendleton, OR	OBADV-11 31	6	28.2	89.1	64	75.8	3.3	2	11.6	3.42	31.4	115	32.7	651	107	18
329	Pendleton, OR	OBADV-11 32	6	36.0	92.5	71	76.0	2.3	2	12.1	3.48	30.5	95	29.5	1010	112	21
330	Pendleton, OR	OBADV-11 33	6	36.1	94.5	68	79.0	2.5	2	11.6	4.19	39.4	114	56.5	358	165	38
331	Pendleton, OR	OBADV-11 34	6	28.4	77.4	68	80.0	3.0	2	10.7	3.98	40.1	155	51.1	158	159	38
332	Pendleton, OR	OBADV-11 35	6	27.1	72.4	53	75.2	3.6	2	11.8	3.93	35.2	102	45.0	141	141	18
333	Pendleton, OR	OBADV-11 36	6	36.4	95.9	75	79.3	2.1	2	9.6	3.14	34.3	99	39.4	99	98	33
334	Hermiston, OR	OBELT-11 1	6	37.9	96.9	80	80.2	2.9	2	10.5	4.03	41.0	108	49.7	385	146	30
335	Hermiston, OR	OBELT-11 2	6	39.3	93.1	84	79.8	2.0	1	9.4	3.27	37.3	90	38.6	530	102	27
336	Hermiston, OR	OBELT-11 3	6	37.5	95.3	75	81.2	1.7	1	11.2	3.82	36.7	86	42.7	373	124	31
337	Hermiston, OR	OBELT-11 4	6	37.9	92.7	80	80.3	2.7	2	10.9	4.48	41.3	123	59.0	256	166	37
338	Hermiston, OR	OBELT-11 5	6	34.3	89.6	86	80.9	n.d.	3	10.5	4.02	40.2	103	46.3	294	140	29
339	Hermiston, OR	OBELT-11 6	6	31.2	86.5	65	82.3	1.8	1	10.4	4.71	48.5	127	80.6	181	203	42
340	Hermiston, OR	OBELT-11 7	6	34.2	93.4	74	81.7	n.d.	3	10.7	4.50	44.9	115	53.1	75	187	44
341	Hermiston, OR	OBELT-11 8	6	30.5	84.6	57	81.6	2.3	1	10.3	4.55	48.1	116	77.4	199	193	36
342	Hermiston, OR	OBELT-11 9	6	31.0	86.2	60	81.5	2.1	1	9.8	4.50	48.9	118	77.8	190	185	33
343	Hermiston, OR	OBELT-11 10	6	30.1	81.9	49	81.4	2.0	1	9.5	4.49	49.9	126	83.3	176	188	37

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
344	Hermiston, OR	OBELT-11 11	6	32.0	87.7	55	81.4	2.3	1	10.2	4.55	47.3	122	81.3	208	191	40
345	Hermiston, OR	OBELT-11 12	6	31.0	86.6	63	82.1	1.7	1	10.1	4.64	50.0	136	86.8	160	201	45
346	Hermiston, OR	OBELT-11 13	6	35.1	91.5	77	81.5	n.d.	3	10.0	4.07	44.9	111	68.4	91	158	44
347	Hermiston, OR	OBELT-11 14	6	32.5	89.1	81	82.8	n.d.	3	8.9	3.96	47.4	129	50.5	66	134	43
348	Hermiston, OR	OBELT-11 15	6	41.8	96	73	78.9	n.d.	3	10.1	3.52	36.6	102	44.6	515	120	26
349	Hermiston, OR	OBELT-11 16	6	42.7	97.5	82	82.0	2.9	2	9.8	3.85	43.1	88	49.0	489	139	35
350		LACEY MALT CHECK	6	35.2	93.4	54	80.0	2.3	1	12.6	5.59	47.3	138	72.9	96	215	62
351	Hermiston, OR	OBELT-11 17	6	37.0	95.4	68	81.8	2.5	2	9.5	3.87	44.2	105	52.3	144	139	41
352	Hermiston, OR	OBELT-11 18	6	38.7	96	73	81.7	2.7	2	9.2	3.61	41.9	91	51.5	173	128	33
353	Hermiston, OR	OBELT-11 19	6	37.7	95.9	72	80.4	n.d.	3	10.0	3.75	40.9	104	49.1	317	127	29
354	Hermiston, OR	OBELT-11 20	6	37.9	94.3	71	82.1	1.9	1	8.9	3.62	45.7	87	54.3	127	134	42
355	Hermiston, OR	OBELT-11 21	6	36.5	88.3	77	80.4	1.5	1	10.5	3.54	35.7	103	47.9	368	117	31
356	Hermiston, OR	OBELT-11 22	6	34.0	92.3	65	82.2	1.8	1	10.3	4.55	48.7	117	70.3	83	183	41
357	Hermiston, OR	OBELT-11 23	6	36.1	92.4	84	80.6	1.5	1	9.1	3.47	39.9	108	42.7	264	109	31
358	Hermiston, OR	OBELT-11 24	6	43.4	96.3	79	80.3	1.5	1	9.0	3.59	41.0	89	39.3	676	124	27
359	Hermiston, OR	OBELT-11 25	6	39.8	97.5	72	81.8	2.8	2	9.2	3.77	42.4	82	47.3	209	137	35
360	Hermiston, OR	OBELT-11 26	6	35.9	95.1	74	81.7	1.8	1	10.0	4.07	43.5	100	57.1	120	151	46
361	Hermiston, OR	OBELT-11 27	6	37.7	96.9	65	81.1	n.d.	3	9.0	3.58	40.1	85	46.9	371	129	29
362	Hermiston, OR	OBELT-11 30	2	44.6	98.1	66	83.5	1.6	1	10.9	5.09	49.3	129	84.4	204	211	53
363	Hermiston, OR	OBADV-11 1	6	41.6	97.6	66	78.0	3.7	2	11.6	3.59	33.4	102	31.0	401	93	25
364	Hermiston, OR	OBADV-11 2	6	37.5	96.7	79	80.0	2.1	2	9.1	3.55	39.7	74	39.7	521	103	26
365	Hermiston, OR	OBADV-11 3	6	41.3	98.6	62	78.4	2.0	2	11.1	3.62	34.5	89	34.5	628	98	23
366	Hermiston, OR	OBADV-11 4	6	37.7	93.3	81	79.2	1.5	2	10.4	3.83	37.0	107	42.5	294	92	30
367	Hermiston, OR	OBADV-11 5	6	37.4	89.2	83	78.1	2.7	2	9.9	3.71	38.4	85	34.5	341	90	20
368	Hermiston, OR	OBADV-11 6	6	36.5	95.1	74	77.1	4.1	2	9.9	3.18	33.1	82	22.3	648	65	16
369	Hermiston, OR	OBADV-11 7	6	36.6	95.9	73	77.9	3.2	2	11.0	3.81	36.8	110	33.1	444	92	20
370	Hermiston, OR	OBADV-11 8	6	41.8	98.1	63	77.4	3.6	2	11.3	3.73	35.0	85	26.5	636	79	16
371	Hermiston, OR	OBADV-11 9	6	39.6	93.8	82	77.7	2.8	2	10.4	3.38	33.6	89	27.2	658	65	20
372	Hermiston, OR	OBADV-11 10	6	34.5	93.6	55	76.6	2.8	2	11.7	4.57	39.5	117	36.7	359	121	21
373	Hermiston, OR	OBADV-11 11	6	33.3	89.8	68	77.9	3.0	2	9.7	3.86	43.7	110	36.5	321	103	25
374	Hermiston, OR	OBADV-11 12	6	38.1	96.8	67	76.2	2.0	2	12.0	4.04	34.3	114	40.3	635	177	25
375	Hermiston, OR	OBADV-11 13	6	38.6	94.9	66	77.6	2.8	2	11.1	4.18	38.7	126	37.0	432	162	20
376	Hermiston, OR	OBADV-11 14	6	35.9	93.3	78	79.4	2.7	2	10.2	3.70	37.2	76	32.3	464	133	26
377	Hermiston, OR	OBADV-11 15	6	39.5	96.8	75	79.6	2.1	2	11.2	3.67	34.9	73	35.0	712	124	26
378	Hermiston, OR	OBADV-11 16	6	34.9	82.8	77	75.2	3.9	2	11.5	3.70	32.2	75	27.8	683	109	21
379		LACEY MALT CHECK	6	33.6	91.5	53	79.9	3.0	1	12.9	6.11	50.7	128	65.6	91	262	55
380	Hermiston, OR	OBADV-11 17	6	32.6	86.5	73	78.4	3.6	2	10.4	3.98	39.9	82	31.5	282	136	23
381	Hermiston, OR	OBADV-11 18	6	37.5	92.9	60	74.3	3.2	2	12.1	4.02	34.1	131	29.8	636	127	25
382	Hermiston, OR	OBADV-11 19	6	38.2	96.2	70	77.9	2.8	2	10.9	3.50	34.0	93	32.0	593	106	20
383	Hermiston, OR	OBADV-11 20	6	36.1	94	80	78.5	3.2	2	10.8	4.09	39.5	120	34.1	383	141	27
384	Hermiston, OR	OBADV-11 21	6	41.9	96.6	71	77.3	n.d.	3	10.8	3.32	32.3	77	27.6	766	97	15
385	Hermiston, OR	OBADV-11 22	6	36.5	88.1	71	76.8	3.5	2	11.9	4.05	36.0	97	36.9	522	142	21
386	Hermiston, OR	OBADV-11 23	6	34.1	94.1	69	76.2	3.0	2	12.9	4.05	32.8	117	37.2	278	131	21
387	Hermiston, OR	OBADV-11 24	6	38.4	97.2	77	78.6	n.d.	3	11.5	3.67	32.4	87	32.1	444	103	22
388	Hermiston, OR	OBADV-11 25	6	38.9	92.7	78	81.0	n.d.	3	8.4	3.36	40.3	70	30.2	357	92	25
389	Hermiston, OR	OBADV-11 26	6	38.8	93.2	76	77.1	n.d.	3	9.9	3.34	33.8	77	28.0	696	94	15
390	Hermiston, OR	OBADV-11 27	6	36.2	93.4	71	77.4	n.d.	3	9.7	3.21	34.5	98	26.2	914	92	15
391	Hermiston, OR	OBADV-11 28	6	40.6	96.7	71	78.7	2.7	2	10.1	3.17	32.6	89	29.2	968	88	23
392	Hermiston, OR	OBADV-11 29	6	34.4	88.7	75	77.3	n.d.	3	9.5	3.11	33.7	77	26.0	1103	88	15

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
393	Hermiston, OR	OBADV-11 30	6	37.5	88.8	78	75.6	2.7	2	10.3	3.36	33.3	87	31.4	454	97	16
394	Hermiston, OR	OBADV-11 31	6	30.8	88	83	77.9	n.d.	3	9.3	3.36	37.1	76	24.0	405	90	18
395	Hermiston, OR	OBADV-11 32	6	42.0	95.2	78	76.5	2.2	2	11.6	3.45	30.7	100	27.3	1145	99	21
396	Hermiston, OR	OBADV-11 33	6	39.3	96.6	82	79.9	2.9	2	10.6	4.04	40.6	100	50.6	500	137	33
397	Hermiston, OR	OBADV-11 34	6	34.8	93.3	73	81.5	1.8	1	10.3	4.44	46.9	124	53.9	67	177	50
398	Hermiston, OR	OBADV-11 35	6	31.3	82.9	65	76.7	3.3	2	10.5	4.02	40.1	86	40.4	456	133	19
399	Hermiston, OR	OBADV-11 36	6	40.4	94.4	87	81.0	1.6	1	8.4	3.43	41.8	82	40.8	360	104	31
400	Hermiston, OR	OBPYT 1	6	38.8	90.8	76	77.6	n.d.	3	9.6	3.48	38.1	87	38.5	444	102	15
401	Hermiston, OR	OBPYT 2	6	37.2	97.8	68	80.2	2.6	2	10.7	4.63	45.5	139	55.0	103	162	49
402	Hermiston, OR	OBPYT 3	6	31.7	69.3	85	76.3	n.d.	3	10.9	4.21	39.6	125	46.3	226	142	17
403	Hermiston, OR	OBPYT 4	6	36.3	94.4	72	80.0	1.6	1	10.8	4.38	41.3	97	57.0	209	149	34
404	Hermiston, OR	OBPYT 9	6	33.2	73.6	97	75.4	1.4	1	12.7	4.22	34.1	140	49.3	91	129	35
405	Hermiston, OR	OBPYT 10	6	39.1	89.1	82	77.0	1.6	1	11.7	3.95	34.3	99	43.3	317	123	26
406	Hermiston, OR	OBPYT 11	6	43.5	97.3	66	80.8	2.7	2	11.3	4.12	38.6	100	61.3	242	147	33
407	Hermiston, OR	OBPYT 12	6	32.7	89.7	73	80.9	1.4	1	10.3	3.71	37.2	113	56.6	173	127	34
408		LACEY MALT CHECK	6	32.7	90.2	53	80.4	2.0	1	12.7	5.73	45.5	144	71.0	70	215	66
409	Hermiston, OR	OBPYT 13	6	43.6	98	65	80.0	2.7	1	12.3	4.10	33.5	118	51.5	393	127	39
410	Hermiston, OR	OBPYT 14	6	38.0	95.5	77	80.0	2.1	1	10.7	3.43	34.0	88	40.9	351	98	31
411	Hermiston, OR	OBPYT 15	6	41.5	93.2	84	77.9	3.2	2	12.0	3.87	32.9	101	42.8	333	121	29
412	Hermiston, OR	OBPYT 16	6	43.0	98.9	80	78.9	3.1	2	11.4	4.03	36.2	125	46.8	148	130	34
413	Hermiston, OR	OBPYT 21	6	39.0	95	86	77.7	2.5	2	11.6	3.57	32.1	71	33.3	682	98	25
414	Hermiston, OR	OBPYT 22	6	43.1	96.3	86	76.6	3.3	2	12.4	3.87	31.1	85	40.7	335	120	25
415	Hermiston, OR	OBPYT 23	6	35.6	95.6	75	78.9	1.5	1	12.2	3.96	33.4	87	49.9	367	131	33
416	Hermiston, OR	OBPYT 24	6	37.8	93.6	77	78.9	1.7	1	9.7	3.58	38.3	68	38.3	683	111	24
417	Hermiston, OR	OBPYT 25	6	39.2	94.3	77	79.2	2.5	2	8.5	2.94	36.1	55	30.9	455	76	26
418	Hermiston, OR	OBPYT 26	6	33.0	90	66	79.5	3.0	2	9.7	3.58	39.3	81	41.5	401	112	30
419	Hermiston, OR	OBPYT 27	6	38.7	86.4	89	74.6	3.8	2	11.5	3.43	31.8	95	31.4	369	86	16
420	Hermiston, OR	OBPYT 28	6	35.6	85.3	78	77.5	3.6	2	10.8	3.37	32.5	107	36.5	410	87	16
421	Hermiston, OR	OBPYT 33	6	39.0	92.1	88	78.0	1.7	1	10.2	3.48	35.2	93	36.8	622	99	21
422	Hermiston, OR	OBPYT 34	6	33.0	74.9	88	75.2	3.2	2	10.8	3.60	34.5	87	33.8	260	95	14
423	Hermiston, OR	OBPYT 35	6	29.4	80.3	60	75.8	3.3	2	10.6	3.80	35.9	95	42.2	454	127	17
424	Hermiston, OR	OBPYT 36	6	33.4	93.6	72	81.7	2.8	2	10.4	4.27	42.5	133	56.4	98	169	49
425	Hermiston, OR	AMBA DS 1	6	38.9	92.9	88	78.5	2.7	2	11.3	4.05	36.6	104	50.5	283	131	30
426	Hermiston, OR	AMBA DS 2	6	33.6	85.5	78	80.3	1.6	1	10.3	4.57	46.2	139	84.7	70	182	50
427	Hermiston, OR	AMBA DS 3	6	32.2	85.5	86	80.2	2.7	2	10.5	4.04	40.5	136	53.0	73	150	44
428	Hermiston, OR	AMBA DS 5	2	45.8	97.9	60	82.0	1.6	1	12.4	5.13	44.3	148	87.8	302	211	63
429	Hermiston, OR	DEMO DS 102	6	31.8	63.7	34	83.3	2.4	2	11.9	3.47	30.3	84	39.4	803	107	25
430	Hermiston, OR	DEMO DS 103	6	34.9	81.9	36	84.0	3.2	2	11.5	3.61	31.9	74	31.0	860	101	31
431	Hermiston, OR	DEMO DS 104	6	31.8	76.7	24	83.3	3.3	2	12.1	4.13	34.0	74	37.4	746	122	28
432	Pendleton, OR	AMBA DS 1	6	36.9	95.7	73	79.0	3.4	2	9.5	3.61	39.8	89	56.6	133	125	36
433	Pendleton, OR	AMBA DS 2	6	31.6	92.2	72	80.8	3.0	2	9.5	3.64	42.5	110	51.6	49	140	44
434	Pendleton, OR	AMBA DS 3	2	36.2	95.4	68	82.3	1.7	1	9.8	4.12	46.5	94	84.0	100	151	44
435	Pendleton, OR	OBPYT 1	6	37.3	91.6	58	76.7	3.7	2	9.4	3.22	34.9	81	45.4	176	95	20
436	Pendleton, OR	OBPYT 2	6	33.8	94.3	55	77.5	3.3	2	11.4	4.06	37.2	145	57.3	79	130	37
437		LACEY MALT CHECK	6	32.8	90.2	56	79.5	2.2	1	12.8	5.48	44.9	146	74.1	96	208	70
438	Pendleton, OR	OBPYT 3	6	34.5	87.8	71	79.3	2.9	2	10.5	3.88	38.3	94	54.5	112	126	40
439	Pendleton, OR	OBPYT 4	6	32.2	93.9	53	78.5	2.1	2	10.7	3.63	34.7	90	44.4	318	122	27
440	Pendleton, OR	OBPYT 5	6	34.5	85.1	71	77.7	3.3	2	10.2	3.48	36.4	100	43.9	146	106	27
441	Pendleton, OR	OBPYT 6	6	36.3	96.9	59	78.4	4.5	2	10.1	4.11	42.0	113	61.9	102	130	42

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
442	Pendleton, OR	OBPYT 7	6	35.4	87.8	63	77.4	3.8	2	10.8	3.60	34.3	120	39.1	259	101	16
443	Pendleton, OR	OBPYT 8	6	39.5	96.2	75	77.9	4.5	2	8.7	3.18	39.2	76	34.0	139	81	23
444	Pendleton, OR	OBPYT 9	6	37.5	97.3	66	80.2	3.1	2	8.9	3.46	40.8	96	40.9	155	103	33
445	Pendleton, OR	OBPYT 10	6	36.1	88.5	70	80.2	3.6	2	9.4	3.91	44.2	89	62.6	64	144	45
446	Pendleton, OR	OBPYT 11	6	39.9	97	64	81.6	4.3	2	8.6	3.48	44.0	76	56.3	53	118	45
447	Pendleton, OR	OBPYT 12	6	29.8	92	71	81.6	1.8	1	8.3	3.33	44.4	85	58.0	47	120	43
448	Pendleton, OR	OBPYT 13	6	40.8	97.9	62	81.1	n.d.	3	9.1	3.72	42.0	91	48.7	109	118	36
449	Pendleton, OR	OBPYT 14	6	34.3	95.2	70	78.8	n.d.	3	10.2	3.19	32.2	88	35.2	254	84	22
450	Pendleton, OR	OBPYT 15	6	38.2	88.5	69	78.6	2.1	1	9.9	2.99	31.1	76	38.4	181	84	24
451	Pendleton, OR	OBPYT 16	6	38.0	96.6	70	77.1	2.0	1	10.5	3.30	32.3	85	39.1	389	91	17
452	Pendleton, OR	OBPYT 17	6	38.9	95.4	67	77.9	n.d.	3	9.6	3.30	36.5	81	41.3	147	100	26
453	Pendleton, OR	OBPYT 18	6	36.5	95.7	78	78.8	n.d.	3	8.3	2.95	37.5	52	32.6	277	78	22
454	Pendleton, OR	OBPYT 19	6	39.0	97.4	65	79.3	n.d.	3	9.1	3.56	39.8	95	42.9	165	114	32
455	Pendleton, OR	OBPYT 20	6	37.1	94.1	70	80.9	n.d.	3	8.7	3.47	41.2	70	39.5	81	108	32
456	Pendleton, OR	OBPYT 21	6	31.5	92.9	71	79.6	1.8	1	9.9	3.57	38.6	89	37.6	124	113	29
457	Pendleton, OR	OBPYT 22	6	40.5	98.5	56	81.3	n.d.	3	10.1	3.63	36.1	81	47.4	173	123	29
458	Pendleton, OR	OBPYT 23	6	33.5	95.1	67	78.6	1.7	1	11.2	3.58	33.5	78	42.7	245	118	28
459	Pendleton, OR	OBPYT 24	6	35.6	95.9	71	79.5	2.3	1	8.4	3.26	41.8	63	37.4	344	100	27
460	Pendleton, OR	OBPYT 25	6	35.9	98	69	78.9	n.d.	3	8.2	2.77	36.7	50	31.4	224	77	22
461	Pendleton, OR	OBPYT 26	6	32.4	93.1	57	79.6	n.d.	3	8.7	3.54	41.0	59	37.1	169	113	28
462	Pendleton, OR	OBPYT 27	6	34.0	90.5	71	77.1	n.d.	3	8.5	3.07	39.0	68	34.5	298	82	15
463	Pendleton, OR	OBPYT 28	6	32.3	86.8	58	79.5	1.8	1	8.5	3.39	42.2	72	50.3	168	122	42
464	Pendleton, OR	OBPYT 29	6	40.2	97.5	64	79.1	1.7	1	9.2	3.53	39.5	87	43.1	72	121	38
465	Pendleton, OR	OBPYT 30	6	35.7	92	79	78.3	1.6	1	10.1	3.56	35.9	122	52.0	91	113	42
466		LACEY MALT CHECK	6	33.0	89.6	58	79.7	2.2	1	12.7	5.51	44.7	154	71.6	98	212	70
467	Pendleton, OR	OBPYT 31	6	33.0	93.6	60	80.3	1.9	1	9.2	3.69	43.9	86	60.9	101	131	46
468	Pendleton, OR	OBPYT 32	6	31.2	69.9	69	76.9	n.d.	3	10.5	3.84	38.1	99	44.5	204	131	13
469	Pendleton, OR	OBPYT 33	6	40.5	95.8	63	76.4	2.2	1	10.2	3.22	34.7	80	41.1	484	102	21
470	Pendleton, OR	OBPYT 34	6	35.6	96.1	74	80.7	1.7	1	9.2	3.39	40.6	85	46.4	83	107	38
471	Pendleton, OR	OBPYT 35	6	25.2	57	55	75.0	n.d.	3	11.8	4.02	36.4	89	44.1	499	129	14
472	Pendleton, OR	OBPYT 36	6	27.9	73.5	72	79.9	2.3	2	10.7	3.96	40.7	158	50.9	74	150	40
473	Pendleton, OR	ABEW-2 2	2	35.3	94.3	69	84.1	1.6	1	9.3	4.51	53.6	96	93.8	47	175	43
474	Pendleton, OR	ABEW-2 26	6	43.8	97.9	67	78.6	2.8	2	10.4	3.49	35.9	37	39.6	407	114	23
475	Pendleton, OR	ABEW-2 27	6	42.9	98.9	68	82.1	n.d.	3	9.9	3.93	40.2	62	39.8	122	121	28
476	Pendleton, OR	ABEW-2 28	6	43.9	98.8	69	79.8	2.3	2	9.3	3.00	32.5	53	34.2	275	84	26
477	Pendleton, OR	ABEW-2 29	6	40.9	99.3	70	80.3	1.5	1	10.8	3.94	39.0	81	42.8	84	139	38
478	Pendleton, OR	ABEW-2 30	6	48.3	99.4	65	81.8	1.7	1	10.7	4.35	41.4	139	42.9	92	148	42
479	Pendleton, OR	DemoDS 105	6	29.9	50.3	34	85.2	2.3	2	10.4	3.61	38.0	90	45.7	277	117	22
480	Ashland, Bayfield	Unknown 1	6	32.2	91.5	34	76.6	3.6	1	14.8	6.91	48.1	193	101.0	371	274	31
481	Ashland, Bayfield	RO1	6	29.9	82.2	25	76.9	3.0	1	14.8	6.88	48.5	157	82.5	410	265	28
482	Ashland, Bayfield	RO2	6	31.7	86.9	29	77.3	3.2	1	14.0	6.83	50.1	166	81.8	286	264	35
483	Ashland, Bayfield	RO3	6	30.1	84	27	77.2	3.5	1	14.2	7.05	50.0	152	82.6	334	273	30
484	Ashland, Bayfield	RO4	6	31.9	84.8	30	77.3	3.4	1	14.3	7.28	51.4	178	89.2	278	291	30
485	Ashland, Bayfield	S1	6	30.8	88.8	31	76.0	3.8	1	14.8	7.12	50.0	151	95.0	339	280	30
486	Ashland, Bayfield	S2	2	30.8	82.8	14	77.4	3.0	1	14.7	6.20	43.4	129	118.3	335	221	26
487	Ashland, Bayfield	SC1	6	34.2	85.9	24	76.9	3.5	1	14.0	6.35	46.7	131	113.8	426	237	38
488	Ashland, Bayfield	SC2	2	29.5	79.6	21	77.1	3.1	1	14.6	6.17	44.5	122	114.8	320	220	26
489	Ashland, Bayfield	SC4	2	29.5	70.8	20	76.4	3.0	1	16.4	6.37	41.3	145	119.3	343	227	26
490	Ashland, Bayfield	ST1	6	33.3	93.6	33	78.0	3.4	1	15.1	7.19	49.7	166	100.1	266	287	35

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
491	Ashland, Bayfield	ST2	6	30.6	88.9	30	76.9	4.1	1	15.3	7.18	49.1	150	95.8	287	282	30
492	Ashland, Bayfield	ST3	6	34.0	90.8	36	77.0	3.6	1	15.2	7.39	49.6	170	110.9	244	297	31
493	Ashland, Bayfield	P1	2	33.6	86.2	19	76.7	3.6	1	12.6	5.86	50.0	69	92.8	249	231	30
494	Ashland, Bayfield	P2	6	30.7	76.3	14	76.0	3.9	1	13.3	6.06	46.8	79	96.3	264	229	36
495		LACEY MALT CHECK	6	32.3	91	54	80.1	2.0	1	13.1	5.59	44.8	145	74.2	112	200	70
496	Ashland, Bayfield	P3	6	34.0	85	13	78.0	3.7	1	12.3	5.85	49.0	72	97.7	247	226	41
497	Ashland, Bayfield	P4	6	30.1	77.9	16	76.3	3.9	1	12.6	5.79	47.2	64	95.6	247	210	34
498	Ashland, Bayfield	C1	2	30.2	79.2	24	74.5	4.4	1	15.0	6.52	45.6	127	112.1	348	251	26
499	Ashland, Bayfield	C2	2	31.6	83.9	20	78.3	3.0	1	13.7	6.38	47.3	119	117.0	249	228	22
500	Ashland, Bayfield	C3	6	31.5	85.8	30	77.5	3.7	1	13.9	6.77	50.1	129	119.8	322	266	32
501	Ashland, Bayfield	C4	2	31.7	81	20	77.2	3.7	1	14.6	6.76	46.7	140	120.8	337	262	26
502	Ashland, Bayfield	RA1	6	31.5	89.3	29	78.2	2.7	1	14.3	6.63	49.4	169	94.2	307	268	37
503	Ashland, Bayfield	RA2	6	30.0	85.7	29	77.8	2.7	1	15.1	6.77	47.4	171	96.6	349	271	32
504	Ashland, Bayfield	RA3	6	34.6	89.3	28	78.1	3.7	1	14.7	7.16	50.4	157	113.0	143	284	38
505	McVille, ND	ROBUST	6	33.9	97.7	41	79.3	1.9	1	13.4	5.53	43.8	181	65.7	241	200	61
506	McVille, ND	LACEY	6	33.3	98.6	40	79.4	1.7	1	13.0	5.42	42.4	196	83.3	197	193	61
507	McVille, ND	TRADITION	6	34.1	97.1	43	79.9	2.1	1	13.2	5.63	44.0	214	75.5	245	198	61
508	McVille, ND	STELLAR-ND	6	33.8	97.4	46	80.2	2.5	1	12.5	5.82	48.2	193	82.4	156	221	57
509	McVille, ND	QUEST	6	33.7	98.4	48	80.0	2.0	1	12.7	5.73	48.6	171	83.8	249	218	54
510	McVille, ND	ND30023	6	32.8	97.9	47	79.4	2.4	1	12.8	6.16	48.4	155	81.4	255	232	51
511	McVille, ND	ND30025	6	33.9	98	43	79.3	2.7	1	13.5	6.21	48.0	127	76.7	302	233	48
512	McVille, ND	ND30026	6	34.2	98.9	47	79.3	2.1	1	13.1	5.96	47.2	147	79.9	240	217	54
513	McVille, ND	ND30028	6	34.5	98.7	47	79.4	2.4	1	12.7	5.94	48.6	145	77.2	238	212	54
514	McVille, ND	ND30031	6	33.6	98.2	46	79.0	2.7	1	14.0	6.41	48.2	137	79.6	281	239	43
515	McVille, ND	ND30033	6	34.4	98.5	51	78.9	2.5	1	13.9	6.23	47.0	152	74.3	234	222	43
516	McVille, ND	ND30036	6	34.1	97.3	46	79.1	2.7	1	13.8	6.19	45.7	141	76.2	235	225	51
517	McVille, ND	ND30041	6	35.0	98.6	44	79.9	2.8	1	13.3	6.26	48.0	146	77.5	297	235	51
518	McVille, ND	ND30044	6	34.2	99.2	47	79.1	2.7	1	13.9	6.18	45.6	149	77.4	265	226	51
519	McVille, ND	ND30046	6	34.1	98.1	48	78.9	2.4	1	13.5	5.91	45.1	134	75.2	283	206	48
520	McVille, ND	ND30051	6	33.5	98.6	50	79.8	2.2	1	13.5	5.97	46.1	143	78.5	289	219	54
521	McVille, ND	ND30053	6	33.4	98.7	50	79.5	2.3	1	13.3	5.93	48.1	146	77.8	256	210	54
522	McVille, ND	ND30054	6	34.0	97.3	43	79.3	2.7	1	13.3	6.21	49.3	135	76.6	274	223	48
523	McVille, ND	ND30055	6	34.1	98.2	47	79.7	2.4	1	13.9	6.00	45.4	158	78.2	274	208	51
524		LACEY MALT CHECK	6	34.6	93.3	52	80.5	2.4	1	13.1	5.71	46.1	126	67.6	80	201	63
525	McVille, ND	ND30057	6	32.9	96.8	48	78.7	2.3	1	13.4	6.02	46.1	145	76.5	303	219	53
526	McVille, ND	ND30059	6	35.0	98.8	45	80.1	2.3	1	13.8	6.52	48.1	176	85.9	209	248	46
527	McVille, ND	ND30063	6	33.9	97.7	48	80.1	2.1	1	13.4	6.31	48.5	183	84.2	257	237	51
528	McVille, ND	ND30064	6	33.5	98.6	40	79.3	1.8	1	13.1	5.71	44.3	169	85.2	282	221	59
529	McVille, ND	ND30065	6	33.9	98.2	43	79.4	1.9	1	12.9	5.74	45.7	161	77.6	317	222	59
530	McVille, ND	ND30066	6	33.3	96.8	43	78.8	2.3	1	14.2	6.16	46.5	165	83.1	236	233	43
531	McVille, ND	ND30067	6	34.8	98	45	79.7	2.3	1	13.1	6.39	49.8	160	79.7	243	246	51
532	McVille, ND	ND30070	6	34.2	97.7	48	79.2	2.1	1	13.4	6.20	47.4	174	78.7	272	240	51
533	McVille, ND	ND30072	6	34.0	98.1	44	79.6	2.1	1	12.8	6.03	47.8	165	79.4	275	227	51
534	McVille, ND	ND30074	6	33.6	97	44	79.5	2.0	1	13.0	6.06	47.9	154	81.3	281	231	51
535	McVille, ND	ND30077	6	33.3	98	47	79.9	1.9	1	12.9	6.00	46.6	164	80.8	343	233	56
536	McVille, ND	ND30078	6	34.7	98.9	47	79.7	2.1	1	12.8	6.13	49.3	168	82.8	230	236	51
537	McVille, ND	ND30080	6	34.6	98.4	43	79.6	2.0	1	13.7	6.04	47.4	167	79.5	280	230	46
538	McVille, ND	ND30082	6	33.9	98.3	45	79.4	2.2	1	13.8	6.34	48.9	165	83.7	340	248	46
539	McVille, ND	ND30086	6	33.9	98.2	45	79.0	2.3	1	13.9	6.27	47.1	174	82.4	276	233	46

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
540	McVille, ND	ND30088	6	33.8	98.1	46	79.6	2.1	1	13.2	6.07	47.2	157	82.6	288	232	51
541	McVille, ND	ND30089	6	34.0	98.7	43	79.2	1.9	1	13.7	5.82	43.9	161	82.4	375	222	54
542	McVille, ND	ND30090	6	33.2	98.7	44	78.8	2.1	1	12.8	5.89	46.2	156	85.8	255	223	56
543	McVille, ND	ND30091	6	33.7	97.2	47	79.4	2.1	1	12.8	5.58	46.1	160	83.0	293	206	63
544	McVille, ND	ND30092	6	33.0	97.6	46	79.4	2.3	1	13.5	5.91	46.2	159	86.8	306	220	54
545	McVille, ND	ND30096	6	33.2	97.9	50	79.6	2.2	1	13.5	6.00	46.5	170	85.9	291	229	54
546	McVille, ND	ND30097	6	34.0	98.3	49	79.7	2.3	1	13.1	6.06	47.1	151	79.6	255	230	51
547	McVille, ND	ND30100	6	33.2	97.5	46	79.3	2.1	1	13.3	5.85	45.0	165	83.9	341	221	59
548	McVille, ND	ND30101	6	33.0	98.7	46	79.3	2.0	1	13.6	6.02	46.2	169	85.8	339	229	51
549	McVille, ND	ND30102	6	33.5	97.7	49	79.7	2.1	1	12.8	5.94	46.9	165	85.2	363	231	59
550	McVille, ND	ND30106	6	33.4	97.4	44	79.7	2.1	1	13.5	5.94	47.1	157	85.7	305	235	54
551	McVille, ND	ND30111	6	34.2	98.6	46	79.9	2.2	1	12.7	5.97	48.4	164	84.7	388	223	54
552	McVille, ND	ND30114	6	33.5	97.8	45	78.9	2.3	1	14.1	6.04	44.8	167	83.6	264	221	43
553	McVille, ND	ROBUST	6	32.9	98.2	42	79.3	1.9	1	13.2	5.54	44.5	168	65.3	360	204	63
554		LACEY MALT CHECK	6	35.1	93.8	54	80.0	2.1	1	12.7	5.55	46.5	152	74.1	99	205	70
555	McVille, ND	LACEY	6	33.7	98.9	43	79.8	2.0	1	13.4	5.90	46.2	191	83.8	201	217	59
556	McVille, ND	TRADITION	6	33.8	97.6	47	79.8	2.0	1	12.7	5.44	44.1	188	80.8	310	211	63
557	McVille, ND	STELLAR-ND	6	32.9	98.1	46	80.0	2.2	1	12.6	5.75	47.3	198	93.9	234	227	54
558	McVille, ND	QUEST	6	33.8	97.8	48	79.9	2.3	1	12.9	5.78	47.6	131	79.8	397	216	51
559	McVille, ND	ND30119	6	34.5	99	46	78.9	2.8	1	13.3	6.26	46.9	124	75.9	405	237	50
560	McVille, ND	ND30122	6	34.4	98.5	46	79.0	2.4	1	13.7	6.09	46.4	151	77.2	422	222	51
561	McVille, ND	ND30125	6	33.8	98.6	51	79.3	2.5	1	13.0	6.06	50.4	131	78.8	297	238	48
562	McVille, ND	ND30126	6	33.7	98.2	47	78.7	2.1	1	13.5	6.10	46.9	158	84.8	313	241	53
563	McVille, ND	ND30130	6	34.0	98	45	80.1	2.8	1	13.3	6.37	51.7	125	91.5	440	260	48
564	McVille, ND	ND30137	6	32.8	97.2	45	78.4	2.1	1	13.7	6.03	45.3	184	84.1	323	230	48
565	McVille, ND	ND30139	6	33.5	98.4	46	78.9	2.1	1	13.5	5.88	46.2	169	86.7	305	232	56
566	McVille, ND	ND30141	6	34.2	98.7	48	78.7	2.1	1	13.5	6.06	45.8	156	79.6	378	250	48
567	McVille, ND	ND30145	6	33.7	97.6	47	78.8	2.4	1	13.5	6.23	48.4	163	84.5	256	220	48
568	McVille, ND	ND30157	6	34.2	98.9	44	79.5	2.7	1	13.8	6.54	49.9	156	92.9	320	231	46
569	McVille, ND	ND30159	6	35.6	99	41	80.1	2.8	1	12.9	6.30	49.9	154	94.6	270	225	51
570	McVille, ND	ND30160	6	35.5	98.9	44	80.6	2.2	1	13.5	6.19	48.5	173	91.3	383	221	46
571	McVille, ND	ND30162	6	34.9	98.8	45	81.0	2.6	1	12.8	6.40	51.0	137	93.5	458	233	48
572	McVille, ND	ND30169	6	34.6	99.3	44	80.7	2.3	1	12.8	6.10	51.6	151	90.0	329	218	51
573	McVille, ND	ND30177	6	34.4	98.6	39	80.7	2.4	1	12.8	6.18	52.1	147	94.3	349	229	51
574	McVille, ND	ND30178	6	34.2	98.6	48	80.2	2.4	1	12.5	6.16	52.5	143	91.7	430	220	51
575	McVille, ND	ND30179	6	34.1	98.7	47	79.3	2.1	1	13.6	6.07	47.1	155	82.9	277	218	46
576	McVille, ND	ND30180	6	33.5	98.7	45	80.9	2.5	1	12.6	6.25	53.1	133	92.6	447	221	48
577	McVille, ND	ND30184	6	33.3	97.3	45	79.3	2.0	1	13.1	5.93	47.1	155	85.1	407	210	54
578	McVille, ND	ND30203	6	34.7	98.1	45	80.7	2.5	1	12.5	6.21	50.6	153	91.2	329	211	51
579	McVille, ND	ND30206	6	35.0	99	43	80.9	2.5	1	13.0	6.36	51.3	147	90.0	402	218	51
580	McVille, ND	ND30207	6	34.4	99	44	80.5	2.7	1	12.7	6.33	51.2	126	91.4	433	217	48
581	McVille, ND	ND30210	6	36.0	98.7	44	80.5	2.4	1	13.2	6.28	49.4	163	93.3	405	212	51
582	Crookston, MN	Robust	6	34.3	98.6	43	79.1	1.6	1	12.9	5.33	44.3	158	59.7	180	188	58
583		LACEY MALT CHECK		35.0	94	52	80.0	2.5	2	12.8	5.47	45.2	133	67.0	111	177	61
584	Crookston, MN	Lacey	6	35.3	97.2	46	80.1	1.8	1	11.8	5.01	46.0	153	75.8	73	171	61
585	Crookston, MN	Stellar-ND	6	33.1	96.1	49	79.5	1.7	1	12.4	5.59	47.1	187	85.0	104	191	63
586	Crookston, MN	Tradition	6	35.1	97.7	51	79.5	1.6	1	12.8	4.98	40.1	189	75.8	111	165	56
587	Crookston, MN	Rasmusson	6	35.3	95.8	41	80.4	1.9	1	12.0	5.13	46.1	163	76.8	103	180	61
588	Crookston, MN	Celebration	6	32.5	87.8	49	80.3	2.2	1	12.3	6.41	54.9	150	96.9	82	243	58

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
589	Crookston, MN	Innovation	6	35.5	98.6	48	79.9	1.8	1	12.4	5.44	46.8	155	75.5	215	184	58
590	Crookston, MN	Quest (M122)	6	33.0	94.9	47	79.8	1.6	1	11.8	5.14	44.1	157	73.2	248	171	54
591	Crookston, MN	Conlon	2	44.7	98.3	40	79.9	1.8	1	12.1	4.60	40.0	119	66.7	440	140	47
592	Crookston, MN	Rawson	2	44.3	99.3	47	80.8	2.0	1	12.1	5.42	46.6	96	74.0	283	195	53
593	Crookston, MN	Pinnacle	2	43.6	98.9	36	80.5	1.8	1	10.9	4.51	45.5	98	55.0	329	141	43
594	Crookston, MN	M145 (FEG189-05)	6	34.6	92.6	46	79.8	2.1	1	11.4	5.63	51.7	130	61.0	168	190	51
595	Crookston, MN	M147 (FEG188-53)	6	33.6	96.7	50	79.2	1.9	1	12.9	5.53	43.6	138	62.3	124	180	58
596	Crookston, MN	M148 (FEG202-06)	6	35.6	98.8	48	80.9	2.1	1	10.9	5.81	56.7	127	85.1	174	212	46
597	Crookston, MN	M149 (FEG204-46)	6	35.4	98.8	55	79.2	2.3	2	12.0	4.95	43.1	160	69.0	203	161	53
598	Crookston, MN	M150 (FEG215-05)	6	32.3	91.2	52	79.5	1.6	1	11.1	4.87	45.7	160	70.9	119	159	56
599	Crookston, MN	6B07-1613	6	35.3	98	54	79.7	1.9	1	10.9	5.12	47.4	177	81.8	75	170	51
600	Crookston, MN	6B07-1753	6	33.0	97.4	51	80.2	1.7	1	10.6	4.92	48.3	160	77.8	69	165	51
601	Crookston, MN	6B07-1770	6	36.0	96.8	46	79.3	1.7	1	11.2	4.91	45.3	158	59.4	77	168	56
602	Crookston, MN	6B07-1819	6	31.6	90.3	42	79.5	1.8	1	12.1	5.08	44.4	153	75.7	223	184	53
603	Crookston, MN	6B07-1825	6	34.6	98.6	53	79.4	2.6	1	10.5	4.34	42.7	144	60.7	121	162	49
604	Crookston, MN	6B08-3428	6	35.2	98.5	45	78.7	1.9	1	10.9	5.19	50.8	154	90.4	105	218	53
605	Crookston, MN	FEG201-27	6	32.0	87.8	46	80.2	1.9	1	10.6	4.83	47.6	137	76.2	152	194	46
606	Crookston, MN	FEG201-38	6	33.5	92.6	48	80.6	2.0	1	10.4	5.00	48.2	129	77.4	118	204	53
607	Crookston, MN	FEG212-01	6	34.5	94.9	49	80.4	2.2	1	10.7	4.93	47.6	156	66.8	56	204	56
608	Crookston, MN	FEG212-09	6	34.1	94.7	53	79.0	1.9	1	11.7	4.85	42.6	166	72.3	156	187	54
609	Crookston, MN	FEG213-16	6	35.3	96	54	79.2	1.9	1	12.0	5.32	46.0	177	74.2	67	206	70
610	Crookston, MN	FEG214-32	6	33.5	95.1	52	79.2	1.9	1	11.8	5.25	45.9	169	75.0	67	205	70
611	Crookston, MN	FEG216-34	6	34.5	96.3	54	78.7	1.8	1	11.4	4.96	44.5	169	72.2	78	189	53
612		LACEY MALT CHECK		35.0	93.2	52	79.8	2.2	1	12.4	5.30	44.1	137	69.3	78	190	62
613	Crookston, MN	FEG232-13	6	33.5	95.9	43	79.2	2.2	1	11.3	4.86	45.4	146	74.3	140	181	52
614	Crookston, MN	FEG234-18	6	33.5	96.7	52	79.6	1.9	1	11.6	5.13	45.7	176	76.2	96	196	64
615	Crookston, MN	Robust	6	34.4	98.4	52	79.4	1.6	1	11.2	4.97	46.5	150	58.9	83	192	59
616	Crookston, MN	Lacey	6	36.7	98.1	50	79.9	2.2	1	10.7	4.73	45.4	123	74.5	70	178	50
617	Crookston, MN	Tradition	6	34.3	97.2	49	79.0	2.0	1	12.4	4.79	41.4	183	72.8	94	177	53
618	Crookston, MN	Quest	6	33.7	95.6	49	80.0	1.7	1	11.4	4.75	44.2	137	73.7	144	181	46
619	Crookston, MN	M147 (FEG188-53)	6	33.7	95.3	48	78.7	1.7	1	12.4	5.05	41.7	160	69.3	83	189	53
620	Crookston, MN	M148 (FEG202-06)	6	35.6	98.9	54	81.0	2.0	1	10.4	5.32	53.5	127	93.8	95	226	57
621	Crookston, MN	M149 (FEG204-46)	6	35.4	99.2	54	78.8	2.2	1	11.1	4.60	42.6	163	70.9	138	174	46
622	Crookston, MN	M150 (FEG215-05)	6	32.5	93.2	53	79.2	1.7	1	11.6	4.96	43.6	163	73.7	103	192	64
623	Crookston, MN	FEG222-04	6	32.7	91.7	46	79.0	2.6	1	11.3	4.52	40.5	154	67.8	95	171	48
624	Crookston, MN	FEG223-01	6	31.8	93.5	50	78.7	1.8	1	11.2	4.83	44.5	145	72.1	132	184	48
625	Crookston, MN	FEG223-04	6	33.7	94.1	53	80.3	1.8	1	10.6	4.48	46.3	122	69.4	87	177	50
626	Crookston, MN	FEG225-11	6	34.4	98.5	45	79.0	1.7	1	11.7	5.02	46.0	169	83.3	150	194	57
627	Crookston, MN	FEG225-67	6	33.1	96.9	50	78.3	1.8	1	10.8	4.85	45.1	180	85.5	70	184	53
628	Crookston, MN	FEG226-11	6	30.5	88.8	50	77.7	1.9	1	13.6	5.80	44.7	226	84.1	131	236	50
629	Crookston, MN	FEG226-31	6	35.6	97.7	47	78.7	2.1	1	12.8	5.19	42.8	189	73.8	79	200	63
630	Crookston, MN	FEG226-35	6	32.9	96.8	57	79.5	2.2	1	11.6	5.60	51.9	176	95.6	62	230	65
631	Crookston, MN	FEG227-17	6	34.8	95.6	55	79.7	2.0	1	12.1	5.31	47.2	136	81.0	56	216	62
632	Crookston, MN	FEG227-52	6	34.4	97.1	56	78.6	1.9	1	12.1	5.36	45.6	166	79.7	88	213	67
633	Crookston, MN	FEG228-13	6	33.1	91.3	49	79.7	2.4	1	11.0	5.40	51.0	138	90.2	56	226	57
634	Crookston, MN	FEG234-14	6	34.1	96.9	53	78.7	2.9	1	11.4	4.49	41.8	128	57.0	102	158	42
635	Crookston, MN	FEG239-35	6	34.3	93	50	79.2	1.9	1	12.0	4.91	43.9	123	69.3	75	187	58
636	Crookston, MN	NEG8-23	6	34.2	95.8	50	78.4	2.5	1	11.9	4.54	41.3	125	55.3	148	151	43
637	Crookston, MN	NEG8-53	6	33.8	95.3	52	79.2	2.3	1	11.0	4.63	44.0	131	68.4	64	175	50

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
638	Crookston, MN	NEG9-74	6	36.3	98.1	46	79.5	2.4	1	11.6	5.41	49.8	118	78.7	123	220	54
639	Morris, MN	Robust	6	31.7	89.5	41	78.1	2.0	1	11.8	5.00	46.1	131	62.1	170	180	47
640	Morris, MN	Lacey	6	32.4	91.8	41	78.5	2.2	1	10.7	4.77	47.7	123	71.6	64	170	42
641		LACEY MALT CHECK		35.3	93.4	52	79.6	2.6	1	12.5	5.42	45.2	122	65.7	89	193	65
642	Morris, MN	Stellar-ND	6	32.3	94.6	45	78.4	2.8	1	11.5	5.51	51.5	135	75.5	54	204	54
643	Morris, MN	Tradition	6	32.0	92.6	45	78.0	n.d.	3	11.6	4.54	42.0	145	68.5	66	159	44
644	Morris, MN	Rasmusson	6	32.6	93	42	79.4	2.2	1	11.1	4.79	46.4	118	76.2	74	175	46
645	Morris, MN	Celebration	6	31.1	86.8	42	79.7	3.4	1	11.6	6.45	60.0	110	92.4	40	278	50
646	Morris, MN	Innovation	6	33.1	93.3	41	79.6	1.8	1	11.0	5.01	47.6	143	79.7	114	192	54
647	Morris, MN	Quest (M122)	6	32.1	92.7	44	79.4	1.8	1	11.3	4.91	47.4	143	85.4	133	190	50
648	Morris, MN	Conlon	2	37.7	96.1	42	79.4	1.7	1	11.7	4.63	41.1	120	67.8	178	156	47
649	Morris, MN	Rawson	2	39.1	96.1	42	80.1	2.1	1	10.9	5.50	53.2	103	90.1	79	223	51
650	Morris, MN	Pinnacle	2	37.8	95.8	36	79.4	1.9	1	11.0	4.73	46.3	111	70.0	97	161	54
651	Morris, MN	M145 (FEG189-05)	6	31.6	89	33	78.5	1.9	1	11.9	5.24	46.7	143	72.4	153	194	60
652	Morris, MN	M147 (FEG188-53)	6	31.4	88.1	40	78.5	2.0	1	11.9	5.19	46.0	142	79.1	80	191	60
653	Morris, MN	M148 (FEG202-06)	6	32.7	95.7	46	80.5	2.4	1	11.5	5.85	55.4	142	87.5	60	232	56
654	Morris, MN	M149 (FEG204-46)	6	32.6	94.8	44	78.7	n.d.	3	11.2	4.60	42.4	159	71.1	168	156	44
655	Morris, MN	M150 (FEG215-05)	6	30.9	87.8	40	79.1	1.7	1	11.3	4.75	45.3	150	77.6	165	172	48
656	Morris, MN	FEG201-27	6	32.1	82.3	40	79.6	1.9	1	11.1	4.85	47.2	129	84.2	98	185	48
657	Morris, MN	FEG201-38	6	32.3	89.9	40	79.7	2.2	1	10.9	5.07	49.5	125	84.0	121	200	47
658	Morris, MN	FEG212-01	6	32.7	91.4	46	78.9	1.9	1	11.0	5.13	50.1	152	75.4	77	194	51
659	Morris, MN	FEG212-09	6	31.7	86.9	40	78.9	1.9	1	11.6	4.80	44.9	149	81.2	165	174	50
660	Morris, MN	FEG213-16	6	31.0	87.8	45	78.8	1.9	1	11.6	5.19	48.2	152	87.7	72	199	55
661	Morris, MN	FEG214-32	6	32.3	88.6	48	78.8	1.9	1	11.6	5.33	48.5	155	83.7	81	208	62
662	Morris, MN	FEG216-34	6	31.5	88.7	45	78.6	1.9	1	12.0	4.95	43.5	146	74.1	91	187	57
663	Morris, MN	FEG232-13	6	31.9	91.7	45	79.3	2.3	1	11.2	4.69	44.7	121	78.4	137	174	45
664	Morris, MN	FEG234-18	6	30.9	87.6	47	79.1	2.0	1	10.9	4.86	47.6	141	77.1	119	181	50
665	Morris, MN	Robust	6	31.6	93.1	43	78.8	1.8	1	11.9	5.18	46.6	145	63.5	162	200	58
666	Morris, MN	Lacey	6	32.7	93.2	40	79.1	2.1	1	11.4	4.94	46.7	133	76.3	87	182	53
667	Morris, MN	Tradition	6	31.4	93.5	51	78.9	2.4	2	11.8	4.93	45.4	162	78.8	80	192	59
668	Morris, MN	Quest	6	31.5	91.7	42	79.1	1.8	1	11.3	4.97	47.2	133	83.0	178	197	43
669	Morris, MN	M147 (FEG188-53)	6	31.5	94	43	78.8	1.8	1	12.4	5.31	45.5	150	78.1	103	206	66
670		LACEY MALT CHECK		32.9	89.8	54	80.1	2.0	1	12.6	5.61	48.1	145	69.2	91	209	65
671	Morris, MN	M148 (FEG202-06)	6	33.1	95.9	47	80.0	2.6	1	11.5	5.88	54.5	146	84.4	66	250	61
672	Morris, MN	M149 (FEG204-46)	6	32.9	95	46	78.5	2.4	2	11.3	4.71	44.9	162	70.7	159	174	45
673	Morris, MN	M150 (FEG215-05)	6	31.2	91.4	45	79.3	1.8	1	11.1	4.95	45.9	145	79.1	141	192	54
674	Morris, MN	FEG222-04	6	31.7	89.3	41	79.9	n.d.	3	11.3	4.85	47.0	142	75.2	136	190	52
675	Morris, MN	FEG223-01	6	30.7	82.1	45	79.3	2.1	1	11.3	5.30	48.6	142	95.7	126	241	55
676	Morris, MN	FEG223-04	6	32.2	93.2	45	79.9	1.8	1	10.9	4.87	47.5	131	82.8	104	206	53
677	Morris, MN	FEG225-11	6	31.9	92.9	45	78.7	2.1	1	10.8	5.03	49.3	135	93.2	112	229	49
678	Morris, MN	FEG225-67	6	32.1	95.4	47	79.1	2.3	1	11.6	5.46	50.4	126	85.4	107	231	62
679	Morris, MN	FEG226-11	6	30.0	89.9	50	78.7	2.4	1	12.4	5.69	48.9	141	76.2	134	241	57
680	Morris, MN	FEG226-31	6	32.7	95.9	50	79.1	2.2	1	11.0	5.01	48.0	137	73.3	90	196	51
681	Morris, MN	FEG226-35	6	30.8	92.6	48	79.2	2.4	1	11.9	5.67	51.5	149	93.5	75	218	64
682	Morris, MN	FEG227-17	6	32.2	92	45	79.5	1.9	1	11.9	5.16	46.4	159	85.7	76	225	66
683	Morris, MN	FEG227-52	6	32.5	90.9	47	78.8	1.8	1	12.3	5.42	46.6	175	81.9	120	224	63
684	Morris, MN	FEG228-13	6	32.3	89.3	47	80.2	2.4	1	11.3	5.66	51.9	157	85.4	51	259	60
685	Morris, MN	FEG234-14	6	32.4	92.8	48	79.5	2.9	2	11.2	4.63	44.5	161	74.7	103	187	52
686	Morris, MN	FEG239-35	6	34.1	94.3	42	80.0	1.9	1	11.6	5.11	46.9	143	79.7	74	192	64

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
687	Morris, MN	NEG8-23	6	33.4	94.4	41	79.9	2.4	2	11.5	4.92	44.1	153	71.0	132	173	56
688	Morris, MN	NEG8-53	6	31.8	95.8	46	79.8	1.9	1	11.7	5.09	45.7	151	80.8	112	191	63
689	Morris, MN	NEG9-74	6	35.5	95.6	47	81.6	2.6	1	10.8	5.68	54.2	125	84.4	82	249	57
690	McVille, ND	ROBUST	6	33.8	97.2	45	80.8	2.1	1	12.6	5.79	49.7	186	68.8	284	244	54
691	McVille, ND	LACEY	6	33.9	96.8	41	80.9	2.0	1	12.8	5.59	45.3	197	81.8	187	218	63
692	McVille, ND	TRADITION	6	35.4	99.4	41	81.2	2.2	1	12.6	5.36	44.3	190	79.4	203	215	63
693	McVille, ND	STELLAR-ND	6	35.6	97.9	46	81.1	2.9	1	13.2	6.25	49.7	201	87.6	160	249	54
694	McVille, ND	QUEST	6	33.2	95.8	42	81.1	2.0	1	12.5	5.67	47.4	168	84.1	284	210	58
695	McVille, ND	ND30213	6	35.6	99.1	46	81.4	2.5	1	13.0	6.40	50.9	164	92.6	328	265	51
696	McVille, ND	ND30221	6	34.7	97.8	45	82.2	2.4	1	12.7	5.97	50.4	157	89.2	402	249	54
697	McVille, ND	ND30252	6	34.8	98	46	81.7	2.7	1	12.5	6.32	52.3	140	91.3	364	272	48
698	McVille, ND	ND30257	6	34.6	98.5	44	81.1	2.5	1	12.6	5.67	46.7	176	83.0	276	231	63
699		LACEY MALT CHECK	6	35.6	92	50	80.1	2.3	2	12.9	5.43	44.2	139	70.9	103	214	54
700	McVille, ND	ND30264	6	34.8	98.5	46	80.7	2.0	1	13.0	5.82	48.4	172	86.8	341	239	66
701	McVille, ND	ND30267	6	33.5	97.4	45	81.3	2.1	1	12.3	5.68	48.5	170	89.1	282	245	58
702	McVille, ND	ND30274	6	33.6	93.6	45	81.7	2.3	1	12.8	5.62	46.7	160	86.3	352	240	63
703	McVille, ND	ND30278	6	33.7	96.4	42	81.1	2.3	1	12.8	5.70	47.7	174	88.3	280	218	58
704	McVille, ND	ND30280	6	33.6	94.5	42	80.7	2.2	1	12.7	5.91	48.4	183	83.6	319	241	54
705	McVille, ND	ND30286	6	34.9	97.1	45	80.4	2.4	1	13.5	6.01	48.0	192	86.1	236	226	51
706	McVille, ND	ND30289	6	33.3	96.7	42	81.1	2.2	1	12.1	5.56	49.4	169	82.9	370	239	58
707	McVille, ND	ND30290	6	34.2	97.5	46	80.8	1.9	1	12.6	5.78	47.0	188	86.9	359	243	54
708	McVille, ND	ND30291	6	33.8	97	48	81.1	2.1	1	12.3	5.74	47.5	165	89.5	325	234	54
709	McVille, ND	ND30294	6	34.1	97.6	46	80.6	2.2	1	13.1	5.72	46.2	181	82.8	290	234	59
710	McVille, ND	ND30298	6	33.8	97.8	44	80.7	2.1	1	12.7	5.65	47.3	192	88.6	319	226	58
711	McVille, ND	ND30300	6	33.9	96.3	40	80.8	2.1	1	12.8	5.60	45.9	186	88.5	387	215	63
712	McVille, ND	ND30302	6	34.3	97.6	46	80.3	2.1	1	12.6	5.72	47.9	176	85.6	354	220	54
713	McVille, ND	ND30304	6	34.3	97.6	46	81.5	2.3	1	11.6	5.68	49.2	169	86.6	309	224	58
714	McVille, ND	ROBUST	6	32.9	95.6	42	79.8	2.1	1	13.4	5.72	44.2	158	64.0	441	220	59
715	McVille, ND	LACEY	6	34.6	98.8	40	80.2	2.3	1	13.1	5.82	45.9	140	72.7	295	207	59
716	McVille, ND	TRADITION	6	33.8	96	44	80.7	2.1	1	12.8	5.32	43.4	177	76.7	386	202	63
717	McVille, ND	STELLAR-ND	6	36.1	97.9	46	80.1	3.1	1	13.7	6.39	48.7	176	76.7	270	240	46
718	McVille, ND	QUEST	6	34.5	98.1	40	80.9	2.1	1	12.5	5.69	46.5	174	88.4	283	221	63
719	McVille, ND	ND30320	6	34.1	97.7	43	80.3	2.2	1	12.1	5.68	48.8	179	90.7	258	220	58
720	McVille, ND	ND30325	6	33.7	96.2	42	80.5	2.5	1	12.9	5.81	47.6	183	86.3	290	230	54
721	McVille, ND	ND30328	6	34.4	97	42	81.1	2.2	1	13.0	5.82	47.9	191	90.5	317	230	54
722	McVille, ND	ND30334	6	32.8	93.2	41	81.0	2.2	1	12.6	5.58	46.7	169	85.4	411	210	63
723	McVille, ND	ND30341	6	34.9	98.3	43	80.6	2.4	1	12.9	6.03	48.3	170	86.6	270	233	51
724	McVille, ND	ND30360	6	33.9	97.6	43	80.9	2.2	1	12.6	5.72	46.4	174	80.9	315	220	59
725	McVille, ND	ND30365	6	34.3	96.6	43	81.3	2.1	1	12.6	5.70	47.9	181	82.8	322	219	54
726	McVille, ND	ND30371	6	34.5	97.1	44	80.6	2.3	1	12.5	5.76	48.7	180	81.1	268	221	54
727	McVille, ND	ND30377	6	35.4	97.4	41	81.2	2.2	1	12.5	5.70	47.0	179	85.5	325	214	63
728		LACEY MALT CHECK	6	36.5	95.8	53	80.4	2.3	2	13.1	5.45	44.6	143	63.4	85	200	67
729	McVille, ND	ND30380	6	33.9	98.9	42	82.3	2.1	1	11.5	5.45	48.9	156	85.6	334	204	53
730	McVille, ND	ND30392	6	34.3	96.5	41	81.1	2.4	1	12.8	5.57	46.9	163	82.1	280	209	63
731	McVille, ND	ND30395	6	33.7	97.8	45	81.0	2.3	1	12.8	5.55	46.8	173	83.0	317	216	63
732	McVille, ND	ROBUST	6	32.7	96.2	39	80.3	2.1	1	12.9	5.65	45.0	172	70.7	228	217	63
733	McVille, ND	LACEY	6	33.4	96.2	39	80.2	2.1	1	12.7	5.56	46.2	156	81.2	148	208	66
734	McVille, ND	TRADITION	6	33.3	97	40	80.8	2.1	1	12.5	5.52	44.6	180	81.3	275	213	63
735	McVille, ND	STELLAR-ND	6	33.5	92.9	42	80.6	2.5	1	13.3	5.96	47.3	187	90.0	150	230	57

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
736	McVille, ND	QUEST	6	31.8	95.6	41	79.2	2.2	1	13.2	5.83	47.8	157	87.8	259	225	53
737	McVille, ND	ND30404	6	33.4	96.1	42	80.4	2.2	1	11.7	5.44	49.5	156	86.3	249	205	58
738	McVille, ND	ND30405	6	34.2	97	42	80.4	2.3	1	12.8	5.81	47.6	155	81.8	255	211	54
739	McVille, ND	ND30408	6	33.4	97.3	43	81.2	2.3	1	12.3	5.52	46.5	156	80.7	194	203	63
740	McVille, ND	ND30409	6	32.1	94.6	42	80.8	2.1	1	12.2	5.76	49.8	162	86.9	236	218	54
741	McVille, ND	ND30412	6	32.5	96.2	40	80.4	2.5	1	12.7	5.94	48.6	163	88.0	130	221	57
742	McVille, ND	ND30413	6	32.2	90.7	41	81.1	2.2	1	12.0	5.81	50.3	160	87.1	299	222	54
743	McVille, ND	ND30414	6	34.0	97.5	42	81.7	2.4	1	12.4	5.94	51.4	162	88.8	219	221	54
744	McVille, ND	ND30417	6	32.4	92.6	45	80.9	2.2	1	12.6	5.57	46.4	153	77.1	322	205	63
745	McVille, ND	ND30421	6	34.5	96.8	45	82.0	2.3	1	11.5	5.42	47.8	145	85.0	245	204	53
746	McVille, ND	ND30429	6	33.7	98.9	44	81.5	2.4	1	11.9	5.68	49.7	160	87.6	264	210	58
747	McVille, ND	ND30430	6	33.8	97.5	45	81.9	2.1	1	12.2	5.50	49.1	162	86.5	227	202	58
748	McVille, ND	ND30431	6	32.7	97	42	81.5	2.6	1	12.6	5.89	48.9	168	91.9	198	217	54
749	McVille, ND	ND30433	6	34.9	97	43	81.4	2.4	1	13.0	5.83	48.1	170	83.5	269	214	54
750	McVille, ND	ND30435	6	33.1	96.1	41	81.2	2.5	1	12.7	5.77	46.0	152	83.5	193	207	59
751	McVille, ND	ND30437	6	33.9	97.6	43	81.3	2.9	1	12.4	5.92	51.0	145	82.6	214	211	54
752	McVille, ND	ND30440	6	32.9	97.6	40	80.9	2.7	1	13.2	5.95	48.4	173	86.0	269	223	54
753	McVille, ND	ND30444	6	32.8	96.3	41	80.5	2.4	1	12.6	5.57	47.3	140	81.5	193	199	53
754	McVille, ND	ND30445	6	33.1	96	43	80.7	3.3	1	12.9	6.04	48.3	146	78.2	229	199	49
755	McVille, ND	ND30446	6	33.4	97.1	41	81.6	2.9	1	12.7	6.07	49.0	146	81.5	239	219	51
756	McVille, ND	ND30450	6	33.9	96.7	43	81.7	2.8	1	11.8	5.74	51.3	136	82.3	214	209	51
757		LACEY MALT CHECK	6	36.4	95.8	50	80.5	2.5	1	13.0	5.69	46.5	132	70.1	94	207	67
758	McVille, ND	ND30451	6	32.8	95.8	42	81.2	2.7	1	12.0	5.72	50.4	148	87.1	207	208	54
759	McVille, ND	ND30453	6	32.2	94.1	41	81.0	2.4	1	12.6	5.69	46.8	148	83.0	281	204	63
760	McVille, ND	ND30456	6	33.8	96	41	80.7	3.0	1	12.3	5.73	47.5	140	82.2	200	205	51
761	McVille, ND	ND30457	6	33.5	96.2	41	80.3	3.1	1	13.1	6.02	48.7	152	82.2	187	220	51
762	McVille, ND	ND30461	6	33.1	96.5	40	80.2	2.8	1	12.9	5.71	46.3	148	73.8	264	188	54
763	McVille, ND	ND30464	6	33.3	96	45	81.1	2.7	1	12.5	5.77	48.5	156	77.6	208	205	54
764	McVille, ND	ND30466	6	31.9	94.4	42	80.6	2.8	1	12.4	5.73	48.7	144	85.7	299	199	51
765	McVille, ND	ND30467	6	33.8	94.8	44	80.2	2.7	1	12.7	5.83	48.9	160	84.1	250	209	54
766	McVille, ND	ND30472	6	32.6	94.4	43	80.7	2.1	1	12.1	5.43	46.5	167	89.0	347	201	63
767	McVille, ND	ND30476	6	33.2	96.9	45	79.5	2.1	1	13.0	5.91	47.0	138	77.3	601	220	56
768	McVille, ND	ND30477	6	33.8	97.1	45	79.4	1.9	1	12.9	5.64	45.2	158	86.5	478	207	63
769	McVille, ND	ND30479	6	33.2	96.1	45	79.0	1.9	1	13.2	5.72	43.6	149	82.4	486	211	56
770	McVille, ND	ND30480	6	34.7	96.9	45	79.4	2.1	1	13.6	5.95	44.3	156	85.2	457	212	54
771	McVille, ND	ND30481	6	33.6	96.8	47	79.4	2.1	1	13.3	5.93	47.2	142	80.5	571	219	54
772	McVille, ND	ND30482	6	33.0	96.4	46	79.2	2.1	1	13.8	5.86	44.7	147	81.2	511	215	54
773	McVille, ND	ND30483	6	34.6	96.4	45	79.1	2.2	1	13.3	5.85	45.2	143	86.8	535	210	59
774	McVille, ND	ND30486	6	33.5	96.7	44	79.5	2.0	1	13.3	5.83	45.3	148	80.3	544	207	59
775	McVille, ND	ND30488	6	34.6	98.8	43	79.8	1.9	1	13.4	5.79	45.3	137	79.8	649	206	56
776	McVille, ND	ND30490	6	32.6	89.4	44	79.2	2.0	1	13.8	5.67	43.4	147	76.8	552	202	58
777	McVille, ND	ND30492	6	33.8	96.8	43	79.1	2.0	1	13.2	5.86	47.0	142	83.3	502	203	59
778	McVille, ND	ND30495	6	33.9	96.5	45	79.0	2.3	1	13.5	6.13	45.8	148	87.1	439	209	53
779	McVille, ND	ND30496	6	34.5	97.4	46	79.5	2.0	1	13.4	5.77	44.6	144	80.6	567	200	57
780	McVille, ND	ROBUST	6	32.1	92.6	42	80.0	1.8	1	13.0	5.29	43.9	171	66.7	450	182	58
781	McVille, ND	LACEY	6	33.3	97.1	44	80.4	2.0	1	11.8	5.27	47.1	165	86.0	232	178	53
782	McVille, ND	TRADITION	6	33.0	94.8	42	79.8	2.1	1	12.7	5.44	44.9	190	79.7	299	193	61
783	McVille, ND	STELLAR-ND	6	33.7	98	46	81.7	2.5	1	12.2	5.91	49.5	178	90.8	185	220	54
784	McVille, ND	QUEST	6	34.9	96.5	44	80.8	2.0	1	11.7	5.46	49.7	163	89.6	273	212	58

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
785	McVile, ND	ND30502	6	33.9	97.2	45	79.6	2.1	1	12.7	5.68	46.8	147	81.8	419	210	63
786		LACEY MALT CHECK	6	34.0	90.9	56	80.6	2.3	2	13.3	5.43	41.4	146	70.0	87	195	62
787	McVile, ND	ND30503	6	34.1	98.5	48	79.9	2.0	1	12.6	5.74	46.7	140	85.9	441	220	59
788	McVile, ND	ND30506	6	34.7	97.6	47	80.2	2.3	1	12.5	5.85	48.4	142	78.4	375	224	54
789	McVile, ND	ND30511	6	33.9	98.4	48	79.7	2.2	1	12.7	5.68	46.2	139	81.7	354	211	60
790	McVile, ND	ND30512	6	33.9	97.8	42	80.1	2.0	1	13.2	5.74	45.2	154	85.4	373	229	59
791	McVile, ND	ND30513	6	34.6	98	40	79.9	2.1	1	12.8	5.87	47.9	146	82.6	476	244	54
792	McVile, ND	ND30514	6	34.0	98	41	79.2	2.0	1	13.0	5.74	44.9	152	83.7	466	228	59
793	McVile, ND	ND30517	6	34.9	98.8	47	80.1	2.1	1	12.4	5.73	47.1	140	88.6	443	217	54
794	McVile, ND	ND30518	6	35.1	97.9	42	79.6	2.2	1	13.3	5.94	46.5	157	82.4	470	227	59
795	McVile, ND	ND30519	6	35.1	98.5	50	79.9	2.2	1	13.0	5.89	47.6	154	85.5	453	241	54
796	McVile, ND	ND30520	6	34.7	97.3	48	79.7	2.4	1	12.7	5.92	47.6	148	84.9	437	242	54
797	McVile, ND	ND30525	6	32.1	95.6	45	80.8	2.9	1	12.8	6.16	49.4	140	109.2	416	268	51
798	McVile, ND	ND30528	6	33.5	97.2	44	81.2	3.3	1	12.7	6.41	52.0	129	94.7	454	233	48
799	McVile, ND	ND30532	6	32.9	98.6	45	81.3	3.5	1	12.2	6.12	52.3	116	92.2	409	241	44
800	McVile, ND	ND30536	6	32.8	96.6	47	80.7	3.2	1	13.6	6.66	52.0	138	99.0	375	242	43
801	McVile, ND	ND30541	6	31.8	96.7	42	80.5	3.3	1	13.3	6.33	50.7	120	99.6	508	237	43
802	McVile, ND	ND30543	6	32.4	95.9	44	80.8	2.5	1	12.6	6.09	49.7	168	109.8	407	253	51
803	McVile, ND	ND30544	6	31.9	96.8	40	81.0	2.2	1	12.9	6.34	50.9	183	106.5	410	255	50
804	McVile, ND	ND30545	6	33.5	97.5	45	80.4	2.5	1	13.1	6.19	49.1	167	105.6	381	241	51
805	McVile, ND	ND30548	6	32.5	98.2	47	80.3	2.6	1	13.6	6.44	49.4	177	108.4	332	233	46
806	McVile, ND	ND30553	6	33.8	98.1	39	81.5	2.6	1	12.5	5.88	50.0	135	103.0	437	251	51
807	McVile, ND	ND30559	6	32.4	97.6	49	80.9	2.5	1	13.1	6.33	51.8	161	107.1	348	256	51
808	McVile, ND	ND30563	6	33.0	97.7	42	81.4	2.5	1	12.7	6.06	49.2	168	105.3	336	240	51
809	McVile, ND	ND30565	6	32.4	95.9	44	80.9	2.7	1	12.8	6.45	51.6	169	107.8	350	239	51
810	McVile, ND	ND30566	6	32.0	96	44	81.1	2.6	1	12.3	6.03	50.6	141	107.0	427	246	51
811	McVile, ND	ND30569	6	33.1	97.1	41	80.9	2.7	1	13.0	6.38	50.0	167	107.7	319	260	51
812	McVile, ND	ND30573	6	32.8	97.6	43	80.8	2.6	1	13.1	6.27	50.4	176	104.0	330	258	51
813	McVile, ND	ND30581	6	33.1	97.3	43	81.6	2.8	1	12.0	5.96	52.2	137	109.1	450	254	51
814		LACEY MALT CHECK	6	35.7	92.1	52	80.6	2.1	2	13.1	5.59	45.5	149	76.9	130	209	65
815	McVile, ND	ND30583	6	33.6	98.2	49	80.2	2.7	1	12.9	6.11	49.4	148	98.0	419	240	51
816	McVile, ND	ND30586	6	32.6	96.8	43	80.9	2.5	1	12.7	6.20	49.5	161	100.7	375	233	51
817	McVile, ND	ND30587	6	33.2	97.3	44	81.9	2.6	1	12.0	5.91	51.2	139	104.8	478	233	51
818	McVile, ND	ND30588	6	32.9	97.2	44	81.1	3.0	1	12.8	6.22	51.5	160	102.2	313	228	51
819	Ray, ND	CONLON	2	35.1	95.3	35	74.8	3.0	1	18.9	6.91	37.5	215	108.5	354	250	26
820	Ray, ND	PINNACLE	2	32.5	94	34	75.5	3.8	1	16.4	6.95	42.2	223	103.6	275	258	31
821	Ray, ND	LACEY	6	32.2	95.6	33	75.3	3.2	1	18.2	7.63	42.2	291	96.9	183	275	36
822	Ray, ND	STELLAR-ND	6	32.1	96.9	38	76.0	3.6	1	17.0	7.85	46.2	282	99.5	187	302	36
823	Ray, ND	2ND30593	2	35.6	95.3	37	79.1	3.8	1	16.2	7.74	49.6	188	107.4	332	290	30
824	Ray, ND	2ND30594	2	36.4	95.3	39	78.5	3.9	1	16.2	7.85	49.4	206	108.6	270	292	30
825	Ray, ND	2ND30595	2	35.4	95.7	36	79.5	3.5	1	15.9	7.70	49.3	219	116.7	288	288	33
826	Ray, ND	2ND30596	2	35.7	93	36	79.1	3.8	1	16.1	7.65	50.1	231	117.4	273	276	30
827	Ray, ND	2ND30597	2	35.7	92.1	31	77.0	3.4	1	16.4	7.51	47.1	238	118.2	244	306	26
828	Ray, ND	2ND30598	2	35.1	93.3	32	79.1	3.7	1	15.8	7.57	48.3	210	110.5	282	282	30
829	Ray, ND	2ND30599	2	35.4	92.9	32	79.0	3.8	1	16.2	7.81	49.6	225	113.3	283	277	30
830	Ray, ND	2ND30600	2	34.5	93.8	32	79.2	3.9	1	15.8	7.50	49.3	215	115.2	241	295	30
831	Ray, ND	2ND30601	2	35.1	94.2	35	79.7	3.7	1	15.2	7.73	51.0	205	117.1	277	313	33
832	Ray, ND	2ND30602	2	34.4	93.6	32	79.8	3.5	1	15.8	7.70	51.0	213	116.5	232	316	33
833	Ray, ND	2ND30603	2	35.7	93.6	32	79.8	3.6	1	14.7	7.62	52.2	209	110.9	234	317	33

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
834	Ray, ND	2ND30604	2	35.0	94.3	36	79.5	3.5	1	15.4	7.42	50.0	194	112.4	264	295	33
835	Ray, ND	2ND30605	2	36.3	94.8	34	79.6	3.6	1	16.4	7.73	48.7	214	106.3	210	307	33
836	Ray, ND	2ND30606	2	36.3	95.3	35	79.6	3.5	1	16.0	7.65	48.3	207	106.8	243	311	33
837	Ray, ND	2ND30607	2	36.9	93.2	34	79.9	3.9	1	15.8	7.97	50.4	197	100.2	238	325	33
838	Ray, ND	2ND30608	2	35.0	94.7	31	79.9	3.9	1	15.6	7.76	50.6	224	124.0	155	331	33
839	Ray, ND	2ND30609	2	35.3	95.3	33	78.4	4.1	1	15.5	7.71	52.1	201	118.8	194	329	30
840	Ray, ND	2ND30610	2	35.9	93.5	36	79.1	4.2	1	15.9	7.82	50.7	203	114.3	189	327	30
841	Ray, ND	2ND30611	2	36.1	94.4	35	78.5	4.4	1	15.1	7.93	53.0	191	112.7	191	342	30
842	Ray, ND	2ND30612	2	34.4	93.8	36	78.7	3.9	1	15.6	7.46	49.8	207	114.1	166	306	30
843		HARRINGTON MALT CHECK	2	40.7	96.5	75	82.4	1.5	1	11.7	4.98	46.3	132	96.1	69	200	69
844	Ray, ND	2ND30613	2	35.2	94	33	78.0	3.6	1	15.5	7.46	48.7	199	108.5	253	265	26
845	Ray, ND	2ND30614	2	35.0	93.5	35	78.8	4.1	1	15.1	7.82	52.2	206	117.2	260	301	30
846	Ray, ND	2ND30615	2	34.9	94.4	31	78.1	4.1	1	15.9	7.83	49.9	195	109.1	244	307	30
847	Ray, ND	2ND30616	2	35.3	93.8	33	78.2	4.2	1	15.5	7.66	51.3	183	106.8	230	287	30
848	Ray, ND	2ND30617	2	35.3	95.2	33	78.7	3.9	1	15.4	7.65	49.7	191	107.4	244	294	30
849	Ray, ND	2ND30618	2	35.0	94.5	32	78.3	4.1	1	15.2	7.66	50.8	215	116.3	242	298	30
850	Ray, ND	2ND30619	2	34.3	93.8	32	78.4	4.0	1	15.9	7.67	50.3	204	110.6	229	306	30
851	Ray, ND	2ND30620	2	36.3	97.3	33	77.1	3.4	1	15.2	7.34	48.5	223	107.1	213	270	26
852	Ray, ND	2ND30621	2	36.3	95.3	32	78.3	3.8	1	15.4	7.37	50.1	206	108.7	224	289	30
853	Ray, ND	2ND30622	2	36.2	94.6	30	78.9	4.2	1	15.7	7.78	52.2	202	112.1	246	287	30
854	Ray, ND	2ND30623	2	34.7	93.3	32	77.7	3.9	1	16.2	7.72	48.8	209	109.4	234	290	26
855	Ray, ND	2ND30624	2	35.3	93.2	31	78.2	4.5	1	16.0	7.80	51.8	190	114.1	243	323	30
856	Ray, ND	2ND30625	2	36.0	95	36	77.9	4.1	1	16.0	7.48	48.1	192	110.1	291	308	26
857	Ray, ND	2ND30626	2	33.7	92.9	31	78.0	4.6	1	15.4	7.51	49.4	189	109.7	352	304	26
858	Ray, ND	2ND30627	2	35.7	94.3	34	77.7	4.0	1	16.2	7.30	45.8	190	102.2	429	293	31
859	Ray, ND	2ND30628	2	38.2	95.5	34	75.6	3.7	1	16.9	7.21	43.4	185	82.5	264	280	33
860	Ray, ND	2ND30629	2	38.1	95.5	32	76.6	3.7	1	15.9	6.99	44.1	185	88.1	169	298	33
861	Ray, ND	2ND30630	2	37.9	92	34	76.2	3.2	1	16.5	7.10	43.3	221	92.4	152	298	31
862	Ray, ND	2ND30631	2	38.3	94.5	33	77.7	3.6	1	15.7	7.09	45.7	199	97.3	156	290	33
863	Ray, ND	2ND30632	2	39.5	94.9	31	77.0	3.4	1	16.2	7.25	45.9	200	97.4	160	286	33
864	Ray, ND	2ND30633	2	37.0	93.6	32	76.6	3.9	1	16.5	7.59	47.5	204	91.3	120	310	29
865	Ray, ND	2ND30634	2	37.7	91.5	35	76.7	3.5	1	15.8	6.83	43.7	196	96.6	203	258	31
866	Ray, ND	2ND30635	2	38.7	94.8	31	77.5	3.2	1	16.1	6.73	41.3	205	91.0	202	263	33
867	Ray, ND	2ND30636	2	39.0	96.7	31	76.2	3.5	1	17.1	7.30	42.9	197	99.4	127	282	36
868	Ray, ND	2ND30637	2	37.9	94.8	36	76.2	3.5	1	17.1	7.18	42.7	200	92.6	161	286	31
869	Ray, ND	2ND30638	2	39.1	95.5	30	77.6	3.6	1	15.7	6.97	45.2	170	91.6	258	287	33
870	Ray, ND	2ND30639	2	39.0	94.3	40	76.4	3.9	1	16.7	7.51	46.3	181	90.1	155	305	33
871	Ray, ND	2ND30640	2	36.5	92	34	77.0	3.9	1	16.5	7.57	47.3	202	93.4	142	319	29
872		HARRINGTON MALT CHECK	2	40.4	96.5	75	82.4	1.6	1	11.5	4.95	45.7	135	96.0	63	211	69
873	Ray, ND	2ND30641	2	37.1	92.7	30	76.8	3.7	1	16.4	7.23	44.3	194	92.0	151	294	31
874	Ray, ND	2ND30642	2	39.0	93.9	28	76.7	3.7	1	16.7	7.26	44.1	228	97.3	106	297	36
875	Ray, ND	2ND30643	2	38.7	92.2	39	76.6	4.0	1	16.4	7.49	46.0	203	99.5	133	311	36
876	Ray, ND	2ND30644	2	38.7	95.5	29	76.9	4.0	1	15.8	7.06	45.6	202	104.0	151	291	33
877	Ray, ND	2ND30645	2	37.3	91.6	32	76.6	4.2	1	15.7	7.48	48.1	202	99.8	110	318	29
878	Ray, ND	CONLON	2	36.0	95.6	36	74.8	3.4	1	18.4	6.95	38.4	250	121.2	360	280	26
879	Ray, ND	PINNACLE	2	33.7	93.4	34	75.3	3.6	1	16.5	6.61	39.8	233	105.9	330	248	26
880	Ray, ND	LACEY	6	32.1	96.3	33	74.7	3.3	1	18.2	6.65	36.9	290	103.9	133	279	34
881	Ray, ND	STELLAR-ND	6	31.7	97.6	33	75.2	3.8	1	18.1	6.71	38.1	296	106.2	113	301	37
882	Ray, ND	2ND30646	2	38.2	92.9	36	77.1	4.1	1	16.7	7.33	43.9	191	83.7	144	292	36

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
883	Ray, ND	2ND30647	2	37.1	92.9	34	76.5	4.0	1	16.0	7.38	46.0	193	99.1	125	295	34
884	Ray, ND	2ND30648	2	37.4	93.8	30	76.0	3.4	1	16.2	6.93	43.4	191	103.5	132	293	34
885	Ray, ND	2ND30649	2	37.8	93.3	29	76.6	3.4	1	17.1	7.04	42.9	204	95.8	137	298	34
886	Ray, ND	2ND30650	2	37.9	95.5	32	77.2	3.1	1	16.6	7.34	44.7	208	92.5	175	287	31
887	Ray, ND	2ND30651	2	37.8	90.8	29	76.6	3.4	1	15.8	6.82	42.6	201	94.6	136	292	34
888	Ray, ND	2ND30652	2	37.7	92	33	76.5	2.9	1	16.5	6.77	41.1	191	85.1	203	282	31
889	Ray, ND	2ND30653	2	37.7	93.1	33	77.1	3.2	1	15.8	5.86	37.3	196	91.6	140	287	32
890	Ray, ND	2ND30654	2	36.7	92.5	35	75.7	3.4	1	17.8	6.85	39.2	215	102.2	156	290	26
891	Ray, ND	2ND30655	2	36.0	91.6	33	75.9	3.7	1	16.7	7.11	43.5	199	91.2	149	302	34
892	Ray, ND	2ND30656	2	36.6	88.8	33	76.9	3.1	1	16.3	6.73	41.6	198	92.4	125	295	32
893	Ray, ND	2ND30657	2	37.1	93.5	27	76.2	3.4	1	17.7	7.41	43.7	217	98.7	129	325	34
894	Ray, ND	2ND30658	2	37.8	94.5	30	77.3	3.0	1	15.9	6.62	42.6	186	88.6	185	296	31
895	Ray, ND	2ND30659	2	38.2	92.3	36	77.7	3.1	1	15.1	6.28	42.3	163	86.0	214	277	33
896	Ray, ND	2ND30660	2	39.5	94.3	35	76.6	3.5	1	17.1	7.10	42.8	182	91.1	184	301	33
897	Ray, ND	2ND30661	2	37.0	93.7	36	76.8	2.9	1	16.3	6.69	41.5	194	100.2	143	288	34
898	Ray, ND	2ND30662	2	37.2	92.2	35	76.8	3.2	1	15.8	6.87	45.7	182	79.6	159	289	31
899	Ray, ND	2ND30663	2	36.5	93.1	35	77.0	3.2	1	16.2	6.94	43.6	191	86.4	159	286	31
900	Ray, ND	2ND30664	2	36.4	90.8	35	76.2	2.7	1	16.8	6.51	38.8	195	90.5	174	282	26
901		HARRINGTON MALT CHECK	2	40.2	97.2	75	82.5	1.3	1	11.6	5.06	47.1	132	92.8	104	214	60
902	Ray, ND	2ND30665	2	37.3	90	34	77.6	3.1	1	13.8	6.68	48.5	151	111.8	268	255	26
903	Ray, ND	2ND30666	2	35.5	91.2	32	78.0	3.8	1	14.6	7.02	49.7	145	119.5	219	266	26
904	Ray, ND	2ND30667	2	38.1	92.3	36	78.3	3.2	1	14.0	6.77	50.4	158	114.8	241	251	32
905	Ray, ND	2ND30668	2	36.5	91.7	33	77.2	3.4	1	14.4	6.82	48.3	163	117.8	235	246	26
906	Ray, ND	2ND30669	2	34.4	82.2	31	77.3	3.5	1	15.0	6.87	48.0	166	117.6	228	254	21
907	Ray, ND	2ND30670	2	36.9	90.9	32	77.5	3.1	1	14.5	6.45	44.7	156	109.4	328	249	31
908	Ray, ND	2ND30671	2	36.6	90.8	32	77.2	3.3	1	14.4	6.75	47.5	161	109.4	246	251	26
909	Ray, ND	2ND30672	2	36.9	89.5	35	77.8	3.5	1	14.1	6.94	50.4	185	128.5	193	266	24
910	Ray, ND	2ND30673	2	37.0	92.3	37	77.9	3.2	1	13.9	6.62	48.3	187	120.0	251	246	26
911	Ray, ND	2ND30674	2	36.9	92.6	34	77.5	3.3	1	14.3	6.68	47.8	171	115.9	275	250	26
912	Ray, ND	2ND30675	2	37.7	94.4	36	78.5	3.1	1	14.1	6.51	49.0	173	117.9	299	240	30
913	Ray, ND	2ND30676	2	37.0	90.5	32	76.5	3.0	1	14.5	6.62	45.9	160	110.6	257	241	31
914	Ray, ND	2ND30677	2	35.9	90.9	36	77.9	3.4	1	13.8	6.79	51.0	164	123.4	222	261	26
915	Ray, ND	2ND30678	2	36.4	91.6	33	77.9	2.8	1	14.4	6.70	47.1	180	115.1	281	241	26
916	Ray, ND	2ND30679	2	37.2	90.9	35	78.3	3.2	1	14.1	6.65	47.1	163	121.7	211	246	30
917	Ray, ND	2ND30680	2	37.7	92.9	37	78.6	3.2	1	14.1	6.83	49.5	167	116.0	221	248	30
918	Ray, ND	2ND30681	2	36.5	92	33	78.1	3.2	1	14.3	6.82	49.1	169	113.1	209	252	30
919	Ray, ND	2ND30682	2	36.6	91.7	35	77.6	3.5	1	14.9	7.15	50.8	171	118.3	195	264	26
920	Ray, ND	2ND30683	2	36.8	90.4	34	77.5	2.9	1	14.3	6.51	45.6	159	116.0	190	240	31
921	Ray, ND	2ND30684	2	36.5	91.5	36	77.1	3.5	1	14.5	6.75	49.1	165	107.6	212	247	26
922	Ray, ND	2ND30685	2	37.1	90.8	35	77.3	3.0	1	15.2	6.62	45.5	167	115.4	257	241	31
923	Ray, ND	2ND30686	2	36.9	90.8	37	77.4	3.0	1	14.9	6.72	46.4	169	112.7	275	242	31
924	Ray, ND	2ND30687	2	37.7	92.6	32	78.1	3.2	1	14.4	6.85	48.2	160	110.1	261	251	30
925	Ray, ND	2ND30688	2	36.3	90.2	37	78.3	3.2	1	14.6	6.74	47.5	167	112.0	264	248	30
926	Ray, ND	2ND30689	2	36.0	87.6	34	76.3	3.3	1	14.4	6.83	48.4	164	111.3	225	257	24
927	Ray, ND	2ND30690	2	36.3	89.9	32	77.4	3.0	1	14.3	6.38	47.3	166	110.7	312	238	24
928	Ray, ND	2ND30691	2	36.9	95.3	36	78.3	3.1	1	13.8	6.12	45.7	146	109.4	362	236	35
929	Ray, ND	2ND30692	2	37.5	92.6	33	77.4	3.1	1	14.4	6.30	45.5	145	105.6	313	233	31
930		HARRINGTON MALT CHECK	2	39.8	96.5	72	82.7	1.6	1	11.5	5.18	47.9	123	92.6	124	206	58
931	Ray, ND	2ND30693	2	36.0	91.1	33	78.0	3.3	1	15.1	6.65	46.3	153	111.4	326	253	31

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
932	Ray, ND	2ND30694	2	37.1	92.3	33	78.1	3.4	1	14.1	6.49	48.0	136	111.0	289	253	30
933	Ray, ND	2ND30695	2	37.3	95	33	78.4	3.4	1	14.3	6.62	48.3	155	114.3	314	247	30
934	Ray, ND	2ND30696	2	36.2	89.6	35	77.6	3.5	1	14.0	6.62	48.7	160	116.4	310	249	24
935	Ray, ND	2ND30697	2	36.8	92.3	33	77.7	3.3	1	13.9	6.26	46.0	159	103.5	357	228	31
936	Ray, ND	2ND30698	2	36.7	89.6	35	77.2	3.1	1	13.6	6.55	48.7	163	118.4	277	241	24
937	Crookston, MN	Robust	6	35.2	98.7	36	78.3	1.8	1	15.0	6.13	42.8	179	61.3	266	226	43
938	Crookston, MN	Stander	6	34.8	97.8	35	79.2	4.1	2	14.6	6.63	48.6	144	70.9	225	260	40
939	Crookston, MN	Lacey	6	32.8	90.6	37	78.1	2.2	1	14.6	6.11	43.6	167	65.2	138	214	43
940	Crookston, MN	MNBrite	6	34.2	98.1	44	78.8	4.8	1	15.5	8.44	55.8	153	66.4	57	279	45
941	Crookston, MN	Harrington	6	33.7	93	39	79.4	2.7	1	13.4	6.88	54.0	114	79.1	82	250	51
942	Crookston, MN	Baronesse	6	38.0	96.5	30	76.1	n.d.	3	13.5	4.25	32.9	73	49.9	235	128	19
943	Crookston, MN	Tradition	6	35.0	97.5	41	78.2	2.6	2	13.4	5.12	39.7	196	67.1	161	178	45
944	Crookston, MN	Legacy	6	31.3	90.3	41	78.6	2.9	1	14.0	6.76	50.6	133	68.8	200	243	34
945	Crookston, MN	Stellar-ND	6	33.9	97.2	40	78.6	2.5	2	13.6	5.59	43.3	196	66.6	122	202	57
946	Crookston, MN	FEG241-01	6	31.9	96.3	41	78.6	1.5	1	13.0	5.33	43.9	168	69.4	301	189	54
947	Crookston, MN	FEG241-03	6	31.2	95.8	43	78.4	1.6	1	12.2	5.63	47.7	163	68.5	208	204	54
948	Crookston, MN	FEG241-60	6	31.4	92.5	36	79.8	2.9	2	12.0	5.44	47.5	163	71.5	250	206	56
949	Crookston, MN	FEG242-07	6	32.1	90.2	43	79.9	2.4	1	12.0	6.27	52.9	141	74.2	71	245	58
950	Crookston, MN	FEG242-30	6	31.6	92.8	40	78.8	2.4	1	12.3	6.16	51.8	132	67.6	69	235	51
951	Crookston, MN	FEG242-47	6	33.6	95.2	43	78.8	1.7	1	13.0	5.17	40.6	169	66.7	263	197	49
952	Crookston, MN	FEG242-64	6	31.7	94.1	39	78.9	3.4	1	13.3	6.74	51.7	132	67.9	57	265	51
953	Crookston, MN	FEG242-67	6	32.2	96	41	79.6	3.5	1	13.6	7.05	53.1	139	67.7	52	265	50
954	Crookston, MN	FEG242-70	6	31.6	92.5	48	77.8	1.7	1	13.4	5.28	39.9	154	64.5	291	174	46
955	Crookston, MN	FEG243-44	6	31.8	92	43	78.6	2.2	1	11.7	5.19	45.1	142	66.0	177	208	55
956	Crookston, MN	FEG243-57	6	32.7	97.5	42	79.9	3.1	1	12.1	5.80	48.9	119	75.3	90	242	54
957	Crookston, MN	FEG243-62	6	35.0	95.5	42	78.4	2.2	1	13.1	5.46	42.9	158	66.0	188	202	60
958	Crookston, MN	FEG243-65	6	31.6	96.4	43	77.9	2.3	1	12.7	5.32	44.7	143	70.5	188	200	70
959		LACEY MALT CHECK	6	36.7	94.8	50	80.6	2.1	1	12.5	5.52	45.8	151	77.6	82	213	56
960	Crookston, MN	FEG243-67	6	33.5	97.6	38	79.0	3.5	1	13.6	6.43	50.9	121	77.0	91	253	50
961	Crookston, MN	FEG244-44	6	31.6	92.2	42	79.5	3.0	1	14.0	6.74	50.0	146	80.4	48	258	52
962	Crookston, MN	FEG244-56	6	30.2	89.1	37	79.3	3.4	1	12.8	6.61	53.7	126	85.6	49	269	54
963	Crookston, MN	FEG244-70	6	29.2	90.3	42	78.1	3.0	1	12.9	6.41	51.4	122	72.4	56	257	46
964	Crookston, MN	FEG245-11	6	33.1	96.4	46	77.5	n.d.	3	13.9	5.38	41.0	180	62.7	139	189	39
965	Crookston, MN	FEG245-56	6	31.4	95.4	42	78.6	3.1	1	14.1	6.43	45.6	156	68.0	108	261	49
966	Crookston, MN	FEG245-58	6	31.6	94.8	45	78.2	3.5	1	14.7	7.14	49.6	138	65.0	93	271	41
967	Crookston, MN	FEG247-02	6	33.9	96.4	41	78.9	4.2	1	14.0	7.08	51.8	108	64.9	119	269	43
968	Crookston, MN	FEG247-13	6	33.8	96.3	39	78.7	4.0	1	14.6	7.56	52.3	140	67.8	90	287	45
969	Crookston, MN	FEG247-18	6	34.5	98.4	38	78.9	3.1	1	13.4	6.38	49.5	121	71.0	135	253	48
970	Crookston, MN	FEG248-27	6	34.0	96.7	40	78.8	2.7	1	13.5	6.22	48.0	126	62.9	133	217	43
971	Crookston, MN	FEG249-13	6	33.8	93.8	39	78.6	2.6	2	13.0	5.03	40.2	156	69.8	89	178	52
972	Crookston, MN	FEG249-55	6	30.6	90.1	39	76.8	2.6	2	13.2	5.21	40.5	178	65.9	167	180	44
973	Crookston, MN	FEG249-62	6	33.1	96.2	42	78.0	2.4	1	13.5	5.36	42.0	185	66.0	160	193	58
974	Crookston, MN	FEG250-06	6	32.2	94.6	42	78.5	2.1	1	13.1	5.33	44.0	142	76.5	83	199	65
975	Crookston, MN	FEG250-16	6	32.1	94.1	41	77.9	2.3	1	13.6	5.10	39.6	142	76.1	96	182	45
976	Crookston, MN	FEG250-27	6	29.6	88.5	42	77.8	2.0	1	13.7	5.44	40.4	171	77.7	68	205	51
977	Crookston, MN	FEG250-46	6	32.3	95.8	39	78.5	2.7	2	12.6	5.34	42.9	147	75.4	139	204	62
978	Crookston, MN	FEG251-08	6	33.1	99	39	78.1	2.3	1	13.3	5.76	43.4	176	74.7	58	213	60
979	Crookston, MN	FEG251-17	6	30.6	91.8	43	77.6	2.1	1	12.8	5.22	41.3	154	63.5	104	188	49
980	Crookston, MN	FEG251-22	6	30.7	83.2	43	77.0	2.3	1	14.3	5.77	41.4	179	73.0	65	220	40

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
981	Crookston, MN	FEG251-44	6	30.9	92.3	39	78.6	2.3	1	12.2	4.95	42.9	141	69.1	83	193	60
982	Crookston, MN	FEG251-45	6	32.0	94.8	40	78.0	2.2	1	14.5	6.10	42.3	188	83.1	115	241	47
983	Crookston, MN	FEG251-67	6	30.6	88.8	38	77.1	2.1	1	14.4	5.49	39.7	189	65.2	126	190	35
984	Crookston, MN	FEG252-09	6	32.6	91.2	40	76.7	2.1	1	14.6	5.68	40.7	182	65.2	150	201	41
985	Crookston, MN	FEG252-27	6	32.8	89.8	39	78.6	4.3	1	14.8	7.57	51.3	143	69.3	50	295	45
986	Crookston, MN	FEG252-34	6	33.6	93.5	42	77.4	2.5	2	15.4	5.80	39.7	174	62.7	156	210	36
987	Crookston, MN	FEG252-37	6	32.6	89.4	43	78.0	3.9	1	15.1	7.75	53.1	150	68.9	78	302	42
988		LACEY MALT CHECK	6	33.5	92.2	52	79.9	2.6	2	12.8	5.27	43.4	140	65.1	90	209	66
989	Crookston, MN	FEG252-60	6	35.2	96.7	42	77.9	2.7	2	14.0	5.64	41.2	152	66.9	118	214	53
990	Crookston, MN	FEG253-40	6	32.9	96.2	38	77.9	2.3	1	14.0	6.22	45.3	192	73.4	121	239	48
991	Crookston, MN	FEG253-56	6	32.7	96.9	42	77.6	2.1	1	14.7	5.96	41.8	168	76.5	167	231	37
992	Crookston, MN	FEG253-70	6	32.2	94.3	38	77.7	1.9	1	14.5	5.52	40.1	162	80.2	117	214	45
993	Crookston, MN	FEG254-09	6	33.1	97	39	77.3	2.2	1	14.8	6.17	44.0	176	81.8	181	241	36
994	Crookston, MN	FEG254-11	6	30.1	93	38	76.6	2.0	1	14.8	6.28	44.5	216	81.6	129	234	38
995	Crookston, MN	FEG254-13	6	34.0	96.6	37	76.7	2.3	2	14.4	5.38	38.9	174	67.0	166	200	40
996	Crookston, MN	FEG254-16	6	33.4	97.1	42	76.9	1.9	2	14.8	5.49	38.5	181	67.3	189	207	37
997	Crookston, MN	FEG254-31	6	33.2	97.8	39	77.7	2.0	2	14.0	5.51	41.1	190	74.3	245	219	41
998	Crookston, MN	FEG254-43	6	33.8	97.4	39	77.4	2.1	2	14.3	5.65	40.9	178	75.7	171	223	37
999	Crookston, MN	FEG254-44	6	33.1	97.5	40	77.7	2.2	2	13.7	5.33	39.9	164	67.2	118	202	53
1000	Crookston, MN	FEG254-66	6	32.6	93.1	39	76.5	2.0	2	14.6	5.80	40.9	195	72.8	87	221	40
1001	Crookston, MN	FEG256-01	6	33.5	98.3	36	77.8	1.9	2	13.8	5.46	41.3	179	67.7	187	202	46
1002	Crookston, MN	FEG256-37	6	35.0	99	36	79.3	3.6	1	13.4	6.82	52.6	141	70.5	79	274	58
1003	Crookston, MN	FEG256-59	6	33.3	96.9	40	78.3	3.5	1	13.5	6.78	50.7	134	62.4	88	255	47
1004	Crookston, MN	FEG257-21	6	34.8	97.3	40	79.0	3.5	1	12.8	6.43	50.3	143	78.5	61	268	58
1005	Crookston, MN	FEG257-37	6	34.2	95.8	39	79.7	4.7	1	13.5	7.34	55.4	130	65.1	54	297	55
1006	Crookston, MN	FEG257-40	6	33.1	94.8	39	79.1	3.2	1	13.8	6.68	48.6	162	59.3	105	273	53
1007	Crookston, MN	FEG258-04	6	33.9	98.7	39	77.2	2.2	1	14.1	5.64	40.5	208	76.8	116	216	45
1008	Crookston, MN	FEG258-06	6	35.9	98	38	76.5	2.1	2	14.8	5.35	37.2	196	68.8	253	201	37
1009	Crookston, MN	FEG258-10	6	35.0	97.8	41	78.2	2.1	1	13.8	5.84	42.9	185	79.6	186	229	48
1010	Crookston, MN	FEG258-23	6	32.7	92	42	75.9	1.9	2	14.7	5.50	37.8	189	63.9	186	204	37
1011	Crookston, MN	FEG258-40	6	35.4	97.4	39	77.1	2.2	2	13.9	5.74	41.3	188	76.9	139	226	41
1012	Crookston, MN	FEG258-46	6	33.5	98.3	39	77.6	1.9	1	13.7	5.21	40.1	163	73.5	298	200	41
1013	Crookston, MN	FEG258-69	6	32.1	97.8	37	77.2	1.8	2	14.4	5.32	38.8	165	66.3	168	194	38
1014	Crookston, MN	FEG260-09	6	32.9	96.7	42	79.5	3.2	1	13.3	6.50	49.7	118	69.7	110	268	51
1015	Crookston, MN	FEG260-11	6	36.5	99.6	38	78.6	3.5	2	12.6	4.83	41.1	127	61.7	186	192	45
1016	Crookston, MN	FEG260-23	6	34.0	94.4	38	78.5	3.3	1	13.0	6.06	47.4	124	59.8	76	243	52
1017		LACEY MALT CHECK	6	35.4	92.6	52	79.9	2.3	2	12.5	5.29	42.7	147	66.7	92	204	69
1018	Crookston, MN	FEG260-38	6	35.9	98.3	40	77.8	2.5	2	13.7	5.40	40.9	164	72.3	138	208	49
1019	Crookston, MN	FEG260-53	6	35.4	98	37	78.6	3.0	1	13.8	6.23	46.1	151	78.2	137	257	51
1020	Crookston, MN	FEG260-57	6	37.4	98.5	39	78.1	2.9	1	14.5	6.59	47.6	147	71.2	181	272	35
1021	Crookston, MN	FEG261-09	6	37.5	98.8	37	78.4	2.8	1	13.6	6.40	49.2	151	68.8	139	257	46
1022	Crookston, MN	FEG261-23	6	39.8	99.8	40	78.8	3.0	1	14.2	6.46	46.8	152	61.7	128	249	46
1023	Crookston, MN	FEG261-27	6	33.3	86.9	34	76.5	2.8	1	13.2	6.09	46.7	131	59.6	160	275	46
1024	Crookston, MN	FEG261-37	6	33.6	97.5	37	79.2	3.1	1	13.2	6.13	48.0	124	69.3	101	273	55
1025	Crookston, MN	FEG262-21	6	33.3	93.6	29	77.6	2.2	1	14.2	5.55	40.7	143	65.6	166	223	41
1026	Crookston, MN	FEG262-22	6	33.4	99.6	37	79.1	3.5	1	13.5	6.76	53.6	118	87.9	145	326	47
1027	Crookston, MN	FEG262-27	6	34.2	95.5	38	77.4	2.4	1	15.0	5.70	39.7	138	64.3	119	234	42
1028	Crookston, MN	FEG262-36	6	35.6	99	40	78.5	3.9	1	15.1	7.17	47.8	141	69.0	66	336	45
1029	Crookston, MN	FEG262-37	6	37.6	96.4	36	78.7	3.7	1	14.9	7.45	52.1	144	74.2	94	332	45

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
1030	Crookston, MN	FEG262-40	6	36.4	98.1	41	77.3	2.0	1	14.8	5.82	41.4	200	74.2	135	245	37
1031	Crookston, MN	FEG262-41	6	33.0	92.5	39	77.6	2.2	1	14.9	5.84	40.3	172	76.7	126	249	37
1032	Crookston, MN	FEG262-47	6	32.9	92.8	40	78.0	3.4	1	15.8	7.62	48.6	162	66.4	101	334	42
1033	Crookston, MN	FEG262-51	6	33.1	97.2	40	79.4	3.4	1	14.3	6.85	49.8	147	70.1	60	313	48
1034	Crookston, MN	FEG262-57	6	34.0	98.8	33	78.7	3.9	1	14.4	7.12	52.7	131	78.0	108	336	42
1035	Crookston, MN	FEG262-62	6	34.3	97.6	36	77.7	2.1	1	14.4	5.83	46.2	168	88.3	84	251	50
1036	Crookston, MN	FEG262-70	6	34.0	92.5	35	79.1	3.9	1	14.7	7.80	54.7	158	80.9	69	351	48
1037	Crookston, MN	FEG263-04	6	33.6	96.8	36	77.9	3.0	1	14.4	6.81	48.7	165	75.6	97	296	42
1038	Crookston, MN	FEG263-06	6	34.0	95.8	36	78.9	3.1	1	13.5	6.67	50.0	144	76.5	103	296	55
1039	Crookston, MN	FEG263-08	6	34.1	98.4	36	77.8	1.9	1	13.3	5.35	43.4	162	69.9	191	221	57
1040	Crookston, MN	FEG263-10	6	34.0	96.6	35	77.8	2.0	1	14.1	5.75	42.0	171	74.4	170	241	46
1041	Crookston, MN	FEG263-20	6	32.9	94.9	33	78.3	2.7	1	13.5	6.35	48.5	136	75.4	136	278	43
1042	Crookston, MN	FEG263-22	6	35.6	98.5	36	77.7	1.8	1	14.1	5.59	41.3	175	77.9	183	237	38
1043	Crookston, MN	FEG263-25	6	34.4	98.8	32	79.1	2.6	1	14.5	6.95	50.6	178	90.6	76	317	48
1044	Crookston, MN	FEG263-33	6	34.9	99.8	34	78.6	2.7	1	13.8	6.20	45.5	161	79.8	109	280	55
1045	Crookston, MN	Robust-2	6	34.8	98.1	36	78.2	1.7	1	14.0	5.62	40.3	184	66.1	201	236	42
1046	Crookston, MN	Stander-2	6	34.0	98	34	79.5	3.1	1	13.8	6.69	50.0	149	83.4	174	317	46
1047	Crookston, MN	Lacey-2	6	34.3	96.8	38	79.1	2.6	1	13.6	5.59	43.9	155	70.5	88	231	65
1048		LACEY MALT CHECK	6	35.9	94.2	49	80.9	2.1	1	12.4	5.77	46.6	142	78.3	91	248	66
1049	Crookston, MN	MNBrite-2	6	35.3	98.8	45	78.5	5.2	1	15.3	8.26	54.0	165	71.5	53	347	45
1050	Crookston, MN	Harrington-2	6	32.2	86.9	38	76.9	3.6	1	15.9	7.44	46.9	134	74.5	66	296	40
1051	Crookston, MN	Baronesse-2	6	36.9	94.8	34	75.5	3.1	2	13.9	4.33	32.8	83	52.2	209	154	23
1052	Crookston, MN	Tradition-2	6	31.9	86.6	44	77.1	2.7	2	14.3	5.10	36.2	209	73.9	194	203	32
1053	Crookston, MN	Legacy-2	6	30.7	93.2	40	78.3	2.7	1	14.6	6.67	46.9	174	83.3	139	284	45
1054	Crookston, MN	Stellar-ND-2	6	34.7	97.7	39	78.4	2.4	1	14.8	5.80	41.3	210	77.5	107	243	48
1055	Ray, ND	CONLON	2	33.9	93.3	35	75.1	2.5	1	18.3	6.57	36.6	230	112.9	398	276	26
1056	Ray, ND	PINNACLE	2	32.1	82.8	38	76.8	3.5	1	15.9	6.58	41.6	214	112.9	342	280	26
1057	Ray, ND	LACEY	6	31.7	95	33	76.7	2.7	1	17.6	7.26	42.6	279	107.2	151	299	38
1058	Ray, ND	STELLAR-ND	6	31.2	95.6	37	77.0	3.5	1	16.3	7.62	47.2	278	110.5	151	327	33
1059	Ray, ND	2ND30699	2	36.0	86.8	36	77.6	3.2	1	14.1	6.37	47.1	171	116.5	277	281	24
1060	Ray, ND	2ND30700	2	36.2	84.4	38	78.0	3.4	1	14.1	6.37	46.8	163	113.7	260	291	30
1061	Ray, ND	2ND30701	2	32.9	83.4	32	77.0	3.4	1	16.5	6.84	42.7	194	119.5	257	308	26
1062	Ray, ND	2ND30702	2	32.5	81.2	32	76.9	3.5	1	15.8	6.75	44.9	200	122.7	231	311	26
1063	Ray, ND	2ND30703	2	33.4	84.8	31	77.9	3.4	1	15.7	6.81	44.8	190	115.3	234	307	26
1064	Ray, ND	2ND30705	2	33.5	86.5	33	77.8	3.6	1	15.3	6.73	44.3	187	115.2	199	297	29
1065	Ray, ND	2ND30706	2	32.2	79.9	35	77.4	3.5	1	15.7	6.99	45.6	234	134.3	215	314	26
1066	Ray, ND	2ND30707	2	33.9	82.8	32	77.2	3.4	1	16.2	7.14	45.2	242	129.3	232	334	26
1067	Ray, ND	2ND30708	2	33.3	85.5	34	77.8	3.4	1	16.6	6.76	42.4	217	124.0	257	310	29
1068	Ray, ND	2ND30709	2	33.1	82.8	34	77.9	2.9	1	16.0	6.67	42.6	221	119.7	266	299	26
1069	Ray, ND	2ND30710	2	33.3	84.9	33	77.3	3.6	1	16.1	7.23	45.5	229	126.2	203	337	26
1070	Ray, ND	2ND30713	2	33.1	80.5	38	78.0	3.4	1	15.0	6.50	44.4	212	130.7	245	286	26
1071	Ray, ND	2ND30715	2	34.4	91.9	31	78.0	3.4	1	15.5	7.24	47.3	206	129.1	153	324	30
1072	Ray, ND	2ND30717	2	35.6	91.3	36	78.7	3.1	1	15.5	6.86	45.1	195	114.8	195	302	35
1073	Ray, ND	2ND30718	2	34.3	92.4	36	77.7	3.1	1	16.0	6.80	43.3	213	119.2	242	297	31
1074	Ray, ND	2ND30719	2	34.4	90.8	35	77.2	3.0	1	16.4	7.00	44.6	215	115.6	271	296	31
1075	Ray, ND	2ND30720	2	33.5	87.5	29	77.1	3.5	1	16.3	7.28	46.8	209	132.1	211	330	29
1076	Ray, ND	2ND30721	2	33.7	89.4	38	78.1	3.2	1	15.5	7.12	46.7	201	127.9	204	307	33
1077		HARRINGTON MALT CHECK	2	40.2	97.2	75	82.5	1.5	1	11.5	5.02	45.8	128	98.1	101	225	65
1078	Ray, ND	2ND30722	2	35.1	93.2	37	78.3	3.1	1	15.6	6.80	45.6	212	133.4	158	293	35

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1079	Ray, ND	2ND30723	2	34.6	91.1	32	78.6	3.4	1	15.3	6.80	45.3	204	133.2	217	286	35
1080	Ray, ND	2ND30724	2	34.6	91.4	37	77.5	3.2	1	16.5	6.54	41.7	207	122.2	195	278	31
1081	Ray, ND	2ND30725	2	34.7	91.7	36	77.3	4.0	1	15.8	6.69	42.6	199	123.4	268	283	31
1082	Ray, ND	2ND30726	2	34.1	89.2	31	76.9	3.9	1	15.9	7.24	45.9	207	124.7	167	309	29
1083	Ray, ND	2ND30727	2	34.8	93.1	34	77.3	3.4	1	15.4	6.95	45.5	205	135.5	196	305	31
1084	Ray, ND	2ND30728	2	34.2	91.5	32	77.2	3.3	1	15.9	6.96	43.8	211	133.8	165	294	31
1085	Ray, ND	2ND30729	2	34.3	89.1	37	77.6	3.2	1	15.6	6.94	44.6	222	133.0	186	302	29
1086	Ray, ND	2ND30730	2	34.4	89.2	33	78.1	3.2	1	16.6	7.23	46.3	193	121.3	210	325	33
1087	Ray, ND	2ND30731	2	33.0	87.6	38	77.6	3.0	1	15.9	6.60	42.9	193	126.1	259	290	29
1088	Ray, ND	2ND30733	2	35.5	90.5	34	77.6	3.5	1	16.0	7.27	47.6	192	131.2	190	311	26
1089	Ray, ND	2ND30734	2	34.7	89.3	35	77.7	3.3	1	15.4	6.94	46.4	198	140.0	211	313	29
1090	Ray, ND	2ND30735	2	34.5	82.5	37	77.3	3.1	1	15.7	7.10	45.5	209	139.1	195	315	26
1091	Ray, ND	2ND30736	2	34.3	90.9	37	77.7	3.6	1	15.5	7.41	48.5	186	133.8	218	335	26
1092	Ray, ND	2ND30737	2	35.3	90.3	34	78.1	3.4	1	15.4	7.05	48.4	186	134.2	180	292	30
1093	Ray, ND	2ND30738	2	36.2	92	37	78.4	3.3	1	16.3	7.09	44.8	182	131.6	233	341	35
1094	Ray, ND	2ND30740	2	35.6	90.9	36	78.2	4.0	1	15.3	7.52	51.1	173	131.1	160	350	30
1095	Ray, ND	2ND30742	2	34.6	92	36	77.5	4.2	1	16.3	7.89	49.0	191	138.0	140	357	29
1096	Ray, ND	2ND30743	2	34.0	82.4	32	77.4	3.6	1	15.7	7.16	46.1	205	137.6	162	343	26
1097	Ray, ND	2ND30744	2	35.0	92.7	34	78.3	3.9	1	15.9	7.54	49.0	184	132.6	181	365	30
1098	Ray, ND	2ND30745	2	34.7	90.5	31	78.6	3.4	1	15.9	7.10	47.2	177	126.9	183	326	30
1099	Ray, ND	2ND30746	2	35.0	89	33	77.7	3.8	1	16.0	7.22	47.0	176	120.6	206	332	24
1100	Ray, ND	2ND30747	2	35.6	91.6	35	78.2	3.9	1	15.7	7.71	50.1	180	131.4	188	353	30
1101	Ray, ND	2ND30749	2	35.3	93.2	31	78.5	3.5	1	15.2	7.54	50.7	216	141.6	165	361	30
1102	Ray, ND	2ND30750	2	35.8	91.6	30	78.8	3.4	1	15.5	7.44	49.2	207	136.8	143	345	33
1103	Ray, ND	2ND30751	2	35.0	89.6	30	77.6	3.5	1	15.7	7.57	48.9	209	137.3	202	348	24
1104	Ray, ND	2ND30752	2	35.9	93.6	30	79.3	4.2	1	15.7	7.98	52.1	190	128.8	184	363	30
1105	Morris, MN	Robust	6	30.0	86.4	45	79.3	1.9	1	12.2	5.46	48.2	165	78.2	93	259	62
1106		LACEY MALT CHECK	6	34.3	92.3	55	80.2	2.3	2	12.9	5.39	44.6	147	68.2	97	231	69
1107	Morris, MN	Stander	6	31.8	96	42	79.9	2.9	1	11.6	6.07	56.2	117	114.1	67	319	50
1108	Morris, MN	Lacey	6	31.4	90.7	43	79.6	1.9	1	11.4	5.07	48.1	139	88.5	56	232	52
1109	Morris, MN	MNBrite	6	31.0	88.7	45	79.0	2.7	1	13.0	6.26	50.9	183	76.9	36	293	54
1110	Morris, MN	Harrington	6	30.5	86.1	41	80.8	3.4	1	11.1	6.28	56.8	106	104.6	41	284	45
1111	Morris, MN	Baronesse	6	32.3	88.1	34	78.9	3.2	2	10.3	4.51	47.6	74	67.9	49	167	37
1112	Morris, MN	Tradition	6	30.5	90.2	47	79.5	1.8	1	11.5	4.79	44.0	159	83.1	37	210	57
1113	Morris, MN	Legacy	6	29.8	90.7	46	79.6	2.5	1	11.3	5.92	53.6	142	98.3	53	290	53
1114	Morris, MN	Stellar-ND	6	32.4	95.7	47	79.1	2.0	1	11.8	5.42	49.1	161	94.5	52	253	65
1115	Morris, MN	FEG241-01	6	30.0	89.9	44	79.8	1.7	1	12.0	5.37	48.9	199	102.7	87	245	64
1116	Morris, MN	FEG241-03	6	29.2	87.7	45	78.8	2.0	1	12.8	5.96	49.4	182	106.4	104	272	55
1117	Morris, MN	FEG241-60	6	30.5	86.2	42	80.2	2.4	1	10.5	4.99	50.5	159	90.7	74	246	55
1118	Morris, MN	FEG242-07	6	29.8	84.5	46	80.6	2.5	1	11.2	5.77	55.0	148	118.2	48	300	53
1119	Morris, MN	FEG242-30	6	29.7	82.9	39	79.1	2.8	1	12.8	6.06	50.0	145	118.1	53	316	55
1120	Morris, MN	FEG242-47	6	30.5	85.7	43	79.6	1.9	1	12.3	5.40	46.1	168	89.2	96	255	69
1121	Morris, MN	FEG242-64	6	30.4	82.2	45	79.3	2.8	1	11.7	5.89	53.2	156	93.9	47	299	60
1122	Morris, MN	FEG242-67	6	31.4	88.9	45	79.6	2.7	1	11.7	5.94	52.4	165	85.3	46	294	60
1123	Morris, MN	FEG242-70	6	32.2	88.2	41	79.7	3.1	1	11.5	6.17	56.9	132	98.3	53	308	55
1124	Morris, MN	FEG243-44	6	30.6	86.4	43	79.9	2.2	1	10.8	5.23	50.5	142	92.2	77	256	59
1125	Morris, MN	FEG243-57	6	32.3	93.6	47	80.2	2.6	1	11.0	5.58	51.7	144	91.3	63	281	60
1126	Morris, MN	FEG243-62	6	33.6	91.4	48	80.2	2.2	1	11.6	5.29	47.2	149	87.7	110	266	65
1127	Morris, MN	FEG243-65	6	30.9	90.3	45	78.9	2.2	1	11.2	5.26	49.4	152	90.3	138	253	52

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1128	Morris, MN	FEG243-67	6	31.6	93.3	45	79.5	2.7	1	12.2	5.97	51.8	134	92.4	105	298	57
1129	Morris, MN	FEG244-44	6	29.1	85.4	43	80.9	2.9	1	12.0	6.62	55.7	142	102.6	46	347	55
1130	Morris, MN	FEG244-56	6	30.1	90.3	41	81.2	2.7	1	11.6	6.27	55.8	134	103.6	53	328	54
1131	Morris, MN	FEG244-70	6	27.7	76	44	79.7	2.7	1	11.5	5.88	52.7	134	95.5	57	311	46
1132	Morris, MN	FEG245-11	6	32.0	88.3	47	79.2	1.9	1	12.8	5.73	45.1	182	85.7	69	264	65
1133	Morris, MN	FEG245-56	6	30.6	88	51	80.2	2.4	1	12.7	6.17	50.7	158	90.0	57	320	57
1134	Morris, MN	FEG245-58	6	31.6	92.5	46	79.7	2.7	2	13.1	6.88	54.0	164	88.2	61	339	56
1135		LACEY MALT CHECK	6	34.0	89.2	60	80.2	2.4	1	13.3	5.45	43.5	145	70.8	79	237	70
1136	Morris, MN	FEG247-02	6	31.0	89.3	40	79.6	3.1	1	12.3	6.50	56.6	118	89.6	62	324	50
1137	Morris, MN	FEG247-13	6	31.9	93.5	45	80.8	2.6	1	12.5	6.59	55.8	142	93.6	61	350	57
1138	Morris, MN	FEG247-18	6	32.7	95.6	39	80.5	2.6	1	11.8	5.97	52.6	115	93.5	83	325	54
1139	Morris, MN	FEG248-27	6	32.5	92.9	44	80.2	2.0	1	11.8	5.41	48.1	145	84.3	66	266	65
1140	Morris, MN	FEG249-13	6	31.9	89.5	42	79.8	2.1	1	11.5	5.09	45.9	163	90.7	77	248	60
1141	Morris, MN	FEG249-55	6	30.6	83.2	44	78.8	2.0	1	12.2	5.34	45.2	179	89.3	121	252	62
1142	Morris, MN	FEG249-62	6	32.1	89	45	79.6	2.1	1	12.7	5.34	43.9	179	84.1	69	251	70
1143	Morris, MN	FEG250-06	6	29.5	78.5	46	79.6	2.0	1	12.0	5.41	48.2	134	95.6	66	261	57
1144	Morris, MN	FEG250-16	6	31.4	88.3	43	78.6	1.8	1	11.6	5.04	44.1	142	94.7	71	239	62
1145	Morris, MN	FEG250-27	6	29.4	82.8	45	79.3	1.9	1	12.2	5.50	46.2	161	99.0	82	275	67
1146	Morris, MN	FEG250-46	6	30.0	84.5	46	79.4	2.2	1	12.1	5.54	49.7	139	89.6	97	275	61
1147	Morris, MN	FEG251-08	6	31.5	87.3	49	80.0	2.1	1	11.4	5.63	51.5	140	88.1	61	268	59
1148	Morris, MN	FEG251-17	6	27.2	67.2	48	79.7	2.0	1	11.5	5.26	48.9	137	86.6	63	262	47
1149	Morris, MN	FEG251-22	6	29.4	75.9	50	79.7	2.0	1	10.9	5.37	51.2	155	92.4	52	272	55
1150	Morris, MN	FEG251-44	6	31.1	78.4	46	79.8	1.9	1	10.1	4.99	50.5	127	90.9	86	256	50
1151	Morris, MN	FEG251-45	6	29.4	89	47	79.4	2.1	1	11.3	5.38	48.4	144	100.4	61	271	57
1152	Morris, MN	FEG251-67	6	30.7	79.2	46	79.8	1.9	1	11.6	5.15	48.4	158	79.4	123	247	54
1153	Ray, ND	CONLON	2	33.8	95.2	37	75.2	2.5	1	18.8	6.66	35.5	231	110.1	341	309	26
1154	Ray, ND	PINNACLE	2	32.4	83.6	35	76.7	3.3	1	16.3	6.64	42.4	210	106.2	323	307	26
1155	Ray, ND	LACEY	6	31.8	95.3	35	76.6	2.6	1	17.1	7.22	43.0	298	101.4	126	329	38
1156	Ray, ND	STELLAR-ND	6	31.0	94.6	40	76.9	3.6	1	16.8	7.71	47.2	298	108.6	118	364	37
1157	Ray, ND	2ND30753	2	36.2	94.4	34	78.4	3.4	1	15.3	7.18	47.0	193	130.2	186	347	30
1158	Ray, ND	2ND30754	2	35.9	93.3	34	77.8	3.5	1	16.3	7.44	47.2	204	123.9	212	359	26
1159	Ray, ND	2ND30756	2	34.8	92.5	33	78.4	3.3	1	15.6	6.87	45.3	198	121.7	239	327	35
1160	Ray, ND	2ND30757	2	36.5	96.7	37	78.5	3.4	1	15.7	7.19	47.2	184	123.6	182	346	30
1161	Ray, ND	2ND30758	2	35.9	93.7	37	78.4	3.5	1	15.7	7.23	47.8	182	129.2	167	344	30
1162	Ray, ND	2ND30760	2	36.9	96.5	33	79.3	3.1	1	15.5	7.08	47.0	210	126.0	236	336	30
1163	Ray, ND	2ND30761	2	36.1	93	34	77.6	3.3	1	15.2	6.92	47.3	209	114.2	148	335	29
1164		HARRINGTON MALT CHECK	2	39.7	97.2	77	82.6	1.6	1	11.5	5.21	47.2	139	97.5	105	259	58
1165	Ray, ND	2ND30763	2	35.9	89.8	36	77.3	3.2	1	15.9	7.07	45.4	190	108.2	157	341	29
1166	Ray, ND	2ND30764	2	34.9	89.8	34	77.6	3.4	1	15.5	7.31	48.3	199	113.8	133	356	27
1167	Ray, ND	2ND30765	2	35.1	91.7	33	77.6	3.4	1	15.7	7.05	46.6	195	115.4	130	338	34
1168	Ray, ND	2ND30766	2	33.7	81.4	33	77.0	3.6	1	15.5	7.31	47.6	196	114.6	123	364	24
1169	Ray, ND	2ND30767	2	35.7	89.2	36	77.4	3.5	1	15.5	7.31	47.4	209	117.9	182	356	24
1170	Ray, ND	2ND30768	2	35.8	90	34	77.8	3.2	1	16.0	7.15	44.8	201	106.3	200	342	31
1171	Ray, ND	2ND30769	2	36.9	93.6	37	78.2	3.3	1	15.5	7.11	47.3	193	107.6	131	343	33
1172	Ray, ND	2ND30770	2	33.3	87.2	29	77.7	3.2	1	15.6	6.76	44.1	182	113.0	178	317	29
1173	Ray, ND	2ND30771	2	35.1	89.7	32	77.5	3.5	1	15.9	7.40	48.3	213	116.8	122	354	27
1174	Ray, ND	2ND30773	2	35.5	89.2	33	77.5	3.2	1	15.4	6.90	46.4	216	113.3	158	329	29
1175	Ray, ND	2ND30774	2	34.5	90.4	31	77.6	3.3	1	15.6	7.05	45.9	204	114.9	117	342	34
1176	Ray, ND	2ND30775	2	35.0	89.1	32	77.1	3.1	1	15.6	6.99	45.2	211	106.5	174	317	29

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1177	Ray, ND	2ND30776	2	35.0	90.2	34	77.2	3.2	1	16.2	6.99	44.4	209	111.1	160	337	31
1178	Ray, ND	2ND30777	2	35.7	92.2	36	78.1	3.4	1	15.8	7.15	48.0	194	111.9	136	358	33
1179	Ray, ND	2ND30778	2	35.2	85.8	33	76.8	3.7	1	16.2	7.43	46.8	198	118.3	147	349	32
1180	Ray, ND	2ND30779	2	35.1	91.1	33	77.4	3.4	1	16.2	7.34	47.1	214	112.4	157	370	26
1181	Ray, ND	2ND30780	2	36.3	92.3	37	76.9	3.0	1	15.9	6.88	42.0	186	104.6	193	324	31
1182	Ray, ND	2ND30781	2	34.2	88.4	34	77.4	3.4	1	15.3	7.08	45.1	185	102.7	152	339	29
1183	Ray, ND	2ND30782	2	34.8	90	37	77.6	3.1	1	15.3	7.06	44.6	202	107.2	203	329	31
1184	Ray, ND	2ND30784	2	35.6	92.2	33	77.0	3.4	1	15.7	7.15	46.0	195	107.9	185	342	31
1185	Ray, ND	2ND30786	2	34.5	88.3	35	77.2	3.3	1	15.7	7.14	45.3	209	118.5	164	353	29
1186	Ray, ND	2ND30787	2	34.2	89.6	33	77.2	3.3	1	15.2	7.19	46.5	222	116.3	156	350	29
1187	Ray, ND	2ND30789	2	35.2	90.5	35	77.0	3.2	1	15.7	6.88	43.7	211	108.9	171	332	31
1188	Ray, ND	2ND30790	2	37.0	89.9	32	79.0	3.3	1	14.8	7.17	47.8	193	127.1	193	344	28
1189	Ray, ND	2ND30791	2	35.2	88.5	34	78.5	3.5	2	15.0	6.91	45.7	203	139.6	246	298	32
1190	Ray, ND	2ND30792	2	35.7	87.8	32	78.9	3.7	1	14.5	7.16	46.8	197	138.0	167	305	33
1191	Ray, ND	2ND30793	2	37.0	94.6	34	79.3	3.6	1	15.2	7.21	47.5	203	129.7	196	309	30
1192	Ray, ND	2ND30794	2	35.2	87	31	78.5	3.7	1	14.6	7.15	46.8	203	124.0	182	311	33
1193		HARRINGTON MALT CHECK	2	40.3	96.5	75	82.8	1.6	1	11.4	5.10	45.6	138	104.0	100	218	69
1194	Ray, ND	2ND30795	2	36.4	89.4	34	78.7	3.5	1	14.9	7.10	49.4	192	126.5	176	308	28
1195	Ray, ND	2ND30796	2	36.7	87.8	37	78.6	3.8	1	15.5	7.20	48.9	191	125.8	178	308	28
1196	Ray, ND	2ND30797	2	36.5	89.9	32	79.0	3.4	1	14.8	7.10	46.9	187	128.7	205	302	33
1197	Ray, ND	2ND30799	2	36.3	88.6	34	78.9	3.9	1	16.1	7.45	47.7	190	129.8	199	318	28
1198	Ray, ND	2ND30800	2	37.1	90.2	35	78.6	3.8	1	15.0	7.13	47.4	209	133.4	184	306	30
1199	Ray, ND	2ND30801	2	35.5	87.1	33	76.7	3.6	1	15.4	6.91	45.6	210	132.9	165	311	29
1200	Ray, ND	2ND30802	2	37.0	89	39	78.8	3.9	1	14.6	6.96	45.1	186	130.8	182	302	33
1201	Ray, ND	2ND30803	2	36.0	90.3	33	78.7	3.7	1	15.2	7.01	46.4	186	131.9	167	317	35
1202	Ray, ND	2ND30804	2	36.1	86.6	34	78.2	4.3	1	14.9	7.43	49.6	188	135.4	166	324	28
1203	Morris, MN	FEG252-09	6	31.0	92.5	45	78.8	2.1	1	12.1	5.08	42.4	163	90.5	68	216	57
1204	Morris, MN	FEG252-27	6	29.0	76.2	44	80.4	2.9	1	11.9	6.11	55.8	132	114.6	46	297	45
1205	Morris, MN	FEG252-34	6	31.8	90.9	47	79.0	2.5	2	12.2	5.31	43.7	159	83.1	99	226	60
1206	Morris, MN	FEG252-37	6	31.0	80.6	50	80.1	2.8	1	12.1	6.05	52.1	128	95.2	68	292	49
1207	Morris, MN	FEG252-60	6	30.6	92.9	48	79.7	2.3	1	11.3	5.07	45.3	145	84.0	106	212	55
1208	Morris, MN	FEG253-40	6	31.2	92.2	48	79.0	2.3	1	12.5	5.78	46.9	146	103.3	85	267	57
1209	Morris, MN	FEG253-56	6	32.0	91.9	48	79.9	2.0	1	12.5	5.65	47.1	169	106.0	126	250	56
1210	Morris, MN	FEG253-70	6	31.7	92.5	43	80.0	1.9	1	11.8	5.00	45.4	147	100.6	111	225	60
1211	Morris, MN	FEG254-09	6	29.7	85.1	42	79.6	2.0	1	12.3	5.15	44.8	139	98.9	127	227	51
1212	Morris, MN	FEG254-11	6	29.5	89.6	44	79.8	1.9	1	12.5	5.41	47.6	149	98.0	85	238	57
1213	Morris, MN	FEG254-13	6	31.2	88.5	45	79.8	2.2	2	11.9	5.21	47.5	146	81.4	122	213	54
1214	Morris, MN	FEG254-16	6	30.8	89.5	43	78.8	1.8	1	13.2	5.48	44.2	162	83.7	143	234	57
1215	Morris, MN	FEG254-31	6	31.2	93.8	42	80.1	1.9	1	12.8	5.50	45.7	176	91.4	155	245	60
1216	Morris, MN	FEG254-43	6	29.8	86.4	44	79.7	1.9	1	12.0	5.17	48.1	146	92.3	85	229	53
1217	Morris, MN	FEG254-44	6	31.6	93.2	41	79.0	2.0	1	12.7	5.17	42.8	149	80.4	142	226	56
1218	Morris, MN	FEG254-66	6	31.7	91.6	40	78.3	1.9	1	13.3	5.51	42.5	169	83.8	90	237	61
1219	Morris, MN	FEG256-01	6	32.4	95.4	43	78.8	1.7	1	12.7	5.07	41.6	159	80.2	118	196	53
1220	Morris, MN	FEG256-37	6	34.4	96.3	45	80.0	2.6	1	12.3	6.09	50.1	140	93.6	99	263	50
1221	Morris, MN	FEG256-59	6	33.5	98.2	48	79.9	2.1	1	12.1	5.79	49.6	163	89.9	113	262	56
1222		LACEY MALT CHECK	6	34.8	94.5	50	79.9	2.2	2	13.5	5.34	41.7	150	74.2	103	225	54
1223	Morris, MN	FEG257-21	6	32.1	92.5	48	80.2	2.4	1	12.1	5.78	48.1	160	104.2	63	273	56
1224	Morris, MN	FEG257-37	6	32.0	85.8	46	80.4	3.1	1	12.0	6.18	54.1	135	94.8	51	265	50
1225	Morris, MN	FEG257-40	6	32.4	94.8	48	80.0	2.7	1	12.5	6.08	51.3	147	98.0	103	251	53

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
1226	Morris, MN	FEG258-04	6	31.2	96.3	46	78.4	2.4	1	12.7	5.53	44.4	185	104.8	72	229	61
1227	Morris, MN	FEG258-06	6	32.4	91.7	49	78.5	2.2	1	11.1	5.14	46.8	170	100.7	92	201	53
1228	Morris, MN	FEG258-10	6	33.0	96.9	51	79.5	2.0	1	12.4	5.47	46.5	179	104.5	83	228	65
1229	Morris, MN	FEG258-23	6	31.7	87	50	79.3	2.0	1	12.1	5.23	46.4	161	93.2	106	200	64
1230	Morris, MN	FEG258-40	6	32.8	93.8	46	78.9	2.3	1	12.2	5.52	47.9	167	93.6	117	225	57
1231	Morris, MN	FEG258-46	6	31.9	96.1	44	78.9	2.0	1	12.0	5.21	44.3	164	98.5	155	215	57
1232	Morris, MN	FEG258-69	6	31.5	96	45	78.4	2.1	1	12.6	5.41	43.9	176	97.1	99	221	61
1233	Morris, MN	FEG260-09	6	32.9	94.1	49	80.9	2.7	1	11.3	5.51	51.1	135	86.5	126	224	48
1234	Morris, MN	FEG260-11	6	33.7	94.2	48	80.4	2.8	2	11.5	4.81	45.5	137	84.2	183	202	50
1235	Morris, MN	FEG260-23	6	31.8	84.2	50	79.7	2.3	1	11.7	5.69	51.3	156	103.2	86	249	64
1236	Morris, MN	FEG260-38	6	33.5	94.5	49	79.9	2.0	1	12.2	5.20	43.3	175	95.7	122	214	62
1237	Morris, MN	FEG260-53	6	32.7	94.3	48	79.4	2.2	1	11.8	5.47	49.0	157	99.6	156	229	61
1238	Morris, MN	FEG260-57	6	33.1	95.7	44	79.6	2.4	1	13.5	6.48	50.7	165	111.8	180	273	51
1239	Morris, MN	FEG261-09	6	33.3	94.4	49	79.0	2.5	1	12.7	6.22	51.2	177	110.6	99	275	55
1240	Morris, MN	FEG261-23	6	36.1	98.1	46	79.9	2.3	1	13.1	6.36	49.6	192	105.6	105	291	58
1241	Morris, MN	FEG261-27	6	33.9	92.7	36	77.5	2.7	1	12.6	5.92	48.9	136	84.6	184	263	41
1242	Morris, MN	FEG261-37	6	33.6	94.9	45	80.7	2.2	1	11.5	5.43	49.0	142	97.5	126	242	56
1243	Morris, MN	FEG262-21	6	32.4	89.2	41	78.3	2.2	1	12.7	5.40	44.3	155	90.6	124	221	63
1244	Morris, MN	FEG262-22	6	31.2	91.5	42	79.5	2.9	1	12.3	6.26	53.4	135	129.1	76	298	54
1245	Morris, MN	FEG262-27	6	34.5	94.5	46	79.2	2.0	1	12.5	5.30	45.0	142	90.8	114	233	70
1246	Morris, MN	FEG262-36	6	32.1	92.5	47	79.1	2.4	1	12.8	5.99	47.4	154	97.6	64	274	61
1247	Morris, MN	FEG262-37	6	30.0	80.2	44	78.3	1.8	1	11.9	5.21	44.5	166	80.8	157	216	62
1248	Morris, MN	FEG262-40	6	34.1	95.1	44	79.0	2.0	1	12.3	5.54	47.2	163	85.5	136	233	61
1249	Morris, MN	FEG262-41	6	33.4	92.2	47	78.9	2.0	1	12.6	5.41	45.8	140	86.1	206	229	57
1250	Morris, MN	FEG262-47	6	31.8	91.5	46	79.9	2.6	1	13.1	6.34	51.5	144	94.2	59	281	57
1251		LACEY MALT CHECK	6	33.4	89.3	55	79.6	2.4	2	13.0	5.32	42.5	140	65.9	103	202	69
1252	Morris, MN	FEG262-51	6	31.6	92.1	47	80.5	2.7	1	12.0	5.93	51.8	126	90.5	58	260	57
1253	Morris, MN	FEG262-57	6	32.9	96.5	42	80.4	2.7	1	11.7	6.05	53.6	118	94.8	72	271	51
1254	Morris, MN	FEG262-62	6	32.9	95.4	42	79.3	2.1	1	11.7	5.49	48.0	136	92.7	156	233	58
1255	Morris, MN	FEG262-70	6	34.3	94.8	43	80.6	2.9	1	11.2	5.83	53.8	118	87.1	58	261	49
1256	Morris, MN	FEG263-04	6	33.8	96.5	44	79.5	2.4	1	12.0	5.73	49.8	141	93.0	84	249	61
1257	Morris, MN	FEG263-06	6	32.1	92.8	43	79.8	2.3	1	11.2	5.81	51.7	137	93.5	78	254	53
1258	Morris, MN	FEG263-08	6	31.6	92.9	42	78.3	1.9	1	11.3	4.95	45.7	146	77.7	132	204	53
1259	Morris, MN	FEG263-10	6	32.7	94.9	43	79.6	1.9	1	11.5	5.10	47.1	135	80.5	139	220	54
1260	Morris, MN	FEG263-20	6	32.9	92.9	47	79.5	2.4	1	11.8	5.61	51.8	123	84.4	136	252	58
1261	Morris, MN	FEG263-22	6	34.5	97.6	44	78.6	1.8	1	12.3	5.01	42.6	143	77.8	352	209	56
1262	Morris, MN	FEG263-25	6	33.9	97	42	80.6	2.3	1	11.5	5.65	51.8	129	86.1	71	246	57
1263	Morris, MN	FEG263-33	6	32.5	91.9	44	79.3	2.3	1	11.1	5.36	49.5	127	87.0	88	256	57
1264	Morris, MN	Robust-2	6	33.8	93.2	43	79.4	1.8	1	13.0	5.49	45.3	174	71.4	199	243	63
1265	Morris, MN	Stander-2	6	33.3	96.4	41	80.0	2.8	1	12.0	5.96	54.0	124	100.7	163	289	54
1266	Morris, MN	Lacey-2	6	34.7	93.4	44	79.7	2.3	1	11.8	5.17	46.5	140	78.0	162	204	59
1267	Morris, MN	MNBrite-2	6	32.7	90	50	78.9	2.7	1	13.3	6.19	46.5	174	75.4	50	268	60
1268	Morris, MN	Harrington-2	6	32.2	90.1	44	80.5	2.5	1	12.0	6.12	52.3	121	95.1	77	299	55
1269	Morris, MN	Baronesse-2	6	32.8	87.5	36	78.5	n.d.	3	10.8	4.17	40.6	88	63.0	103	161	36
1270	Morris, MN	Tradition-2	6	31.8	92.4	48	79.7	2.3	2	12.3	4.91	42.6	188	85.5	124	212	60
1271	Morris, MN	Legacy-2	6	31.7	88.5	48	79.7	2.1	1	11.4	5.36	49.5	151	92.5	204	248	52
1272	Morris, MN	Stellar-ND-2	6	34.7	97.3	50	79.8	1.9	1	12.3	5.51	46.4	171	91.5	116	247	70
1273	McVille, ND	CONLON	2	37.7	96.1	36	79.4	1.8	1	14.1	4.97	36.6	137	88.0	612	208	40
1274	McVille, ND	PINNACLE	2	38.2	93.6	36	81.3	2.3	1	11.3	4.94	45.8	133	81.3	429	221	60

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
1275	McVile, ND	LACEY	6	32.0	93	40	79.9	1.9	1	12.6	5.28	44.8	159	85.6	316	238	63
1276	McVile, ND	STELLAR-ND	6	32.3	94.9	44	80.3	2.0	1	12.5	5.51	46.4	185	94.3	362	259	63
1277	McVile, ND	2ND30805	2	41.7	96.3	39	83.0	2.3	1	11.8	5.76	50.5	148	103.4	341	281	53
1278	McVile, ND	2ND30806	2	40.7	92.5	39	82.6	2.2	1	11.2	5.27	47.6	123	97.7	635	239	57
1279	McVile, ND	2ND30807	2	39.7	92.8	41	82.2	2.1	1	11.8	5.11	46.5	126	97.5	580	237	60
1280		HARRINGTON MALT CHECK	2	40.5	98.6	75	82.5	1.5	1	11.5	5.19	46.9	146	104.3	121	255	65
1281	McVile, ND	2ND30812	2	39.5	89.2	40	81.0	2.2	1	12.0	5.38	46.1	133	96.0	394	251	58
1282	McVile, ND	2ND30815	2	40.9	95	39	81.9	2.5	1	11.6	5.67	49.4	133	104.5	246	276	53
1283	McVile, ND	2ND30818	2	42.6	95.8	37	82.8	2.3	1	12.3	5.78	49.4	149	100.5	357	266	54
1284	McVile, ND	2ND30821	2	38.9	96.1	33	80.5	2.1	1	12.0	5.14	44.4	142	92.1	262	228	57
1285	McVile, ND	2ND30823	2	40.8	95.3	34	80.4	2.1	1	12.4	5.30	42.8	149	81.9	251	232	59
1286	McVile, ND	2ND30826	2	39.9	94.5	34	80.3	2.3	1	13.2	5.43	42.0	151	92.5	314	237	52
1287	McVile, ND	2ND30837	2	39.9	92.2	30	81.2	2.7	1	11.8	5.59	47.7	156	93.9	135	250	58
1288	McVile, ND	2ND30844	2	39.9	94.8	32	82.2	2.3	1	12.2	5.54	45.9	145	96.8	177	247	60
1289	McVile, ND	2ND30849	2	39.0	95.2	36	81.1	1.9	1	12.2	5.31	43.7	121	98.4	348	230	60
1290	McVile, ND	2ND30850	2	39.0	94.6	35	79.9	2.2	1	13.1	5.50	43.1	132	88.4	291	240	52
1291	McVile, ND	2ND30851	2	40.7	96.9	40	81.0	1.9	1	12.6	5.23	45.1	135	105.3	351	227	62
1292	McVile, ND	2ND30852	2	42.8	98.6	43	81.3	2.1	1	11.7	5.19	46.7	123	97.6	355	229	63
1293	McVile, ND	2ND30853	2	38.9	94.9	39	79.9	2.1	1	12.4	5.25	43.5	119	101.9	362	226	54
1294	McVile, ND	2ND30854	2	39.9	95.5	37	81.2	1.9	1	12.4	5.08	43.7	116	95.9	533	214	57
1295	McVile, ND	2ND30855	2	40.7	96.4	39	81.8	1.9	1	11.9	5.20	47.2	118	100.3	354	223	54
1296	McVile, ND	2ND30856	2	41.9	97.8	41	81.5	2.0	1	12.3	5.19	44.9	114	94.1	431	216	59
1297	McVile, ND	2ND30857	2	41.4	97.1	36	81.8	1.8	1	12.1	5.07	42.0	119	93.6	402	208	59
1298	McVile, ND	2ND30858	2	39.5	95.3	41	81.4	1.8	1	12.8	5.25	41.7	121	98.4	415	220	60
1299	McVile, ND	2ND30859	2	38.8	94.4	35	80.4	2.0	1	12.8	5.39	43.5	118	97.5	370	226	54
1300	McVile, ND	2ND30860	2	40.5	96.9	40	80.9	2.0	1	11.9	4.95	43.0	107	90.1	363	205	56
1301	McVile, ND	2ND30861	2	40.6	95.4	40	81.8	1.9	1	12.1	5.17	44.8	113	95.9	378	213	59
1302	McVile, ND	2ND30862	2	40.6	94.1	41	81.3	2.1	1	11.5	5.22	47.3	119	96.7	397	216	54
1303	McVile, ND	2ND30863	2	40.1	93.8	34	81.1	1.9	1	12.8	5.16	42.8	141	104.2	380	216	62
1304	McVile, ND	2ND30864	2	41.3	96.6	42	81.0	1.9	1	11.9	5.13	46.0	128	101.4	437	210	62
1305	McVile, ND	2ND30865	2	39.6	94.9	40	81.2	2.0	1	12.4	5.30	44.5	134	103.9	387	210	60
1306	McVile, ND	2ND30866	2	41.1	96.2	39	80.7	2.1	1	12.5	5.23	43.8	122	98.7	372	203	59
1307	McVile, ND	2ND30867	2	40.9	96.8	39	80.6	2.2	1	12.2	5.20	43.5	130	97.6	307	212	59
1308	McVile, ND	2ND30868	2	39.9	94.8	38	79.6	2.1	1	13.0	5.24	42.4	123	103.2	374	220	57
1309		HARRINGTON MALT CHECK	2	40.8	95.9	74	82.6	1.4	1	11.6	5.06	45.9	139	94.7	133	211	65
1310	McVile, ND	2ND30869	2	41.8	98.1	41	81.3	1.8	1	12.1	5.18	46.8	127	96.6	385	206	62
1311	McVile, ND	2ND30870	2	40.8	97.8	42	80.9	1.8	1	11.7	5.02	44.1	118	95.9	361	197	56
1312	McVile, ND	2ND30871	2	40.9	96.6	42	81.1	1.8	1	11.8	5.08	44.1	106	100.2	387	204	59
1313	McVile, ND	2ND30872	2	40.9	97.4	44	80.3	1.9	1	11.8	5.36	46.5	126	97.4	324	218	59
1314	McVile, ND	2ND30873	2	40.6	98	38	79.9	2.1	1	12.4	5.31	43.0	125	103.3	376	219	59
1315	McVile, ND	2ND30874	2	42.3	98	39	80.3	2.0	1	12.2	5.24	43.6	118	95.4	352	208	57
1316	McVile, ND	2ND30875	2	41.3	98.1	42	80.4	2.0	1	11.7	5.25	45.6	119	104.8	310	209	56
1317	McVile, ND	2ND30876	2	41.9	98.3	36	81.0	1.9	1	11.5	5.12	47.6	122	103.3	306	205	57
1318	McVile, ND	2ND30877	2	40.5	94	40	79.9	2.0	1	12.0	5.25	44.2	122	102.6	321	206	59
1319	McVile, ND	2ND30878	2	39.2	94.4	43	80.5	2.0	1	12.2	5.17	45.7	122	106.0	296	209	57
1320	McVile, ND	2ND30879	2	43.7	99.1	41	80.8	2.0	1	11.8	5.15	45.2	114	100.0	295	194	57
1321	McVile, ND	2ND30880	2	42.4	98.5	41	80.5	2.2	1	11.8	5.21	45.0	110	103.5	348	209	57
1322	McVile, ND	2ND30881	2	40.2	97.7	37	80.5	2.1	1	12.2	5.28	44.2	118	100.7	292	218	56
1323	McVile, ND	2ND30882	2	39.3	94	38	80.0	2.0	1	12.2	5.28	45.3	123	103.9	281	211	57

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1324	McVille, ND	2ND30887	2	39.7	97.2	38	80.5	2.4	1	11.8	5.34	46.0	121	89.7	278	219	57
1325	McVille, ND	2ND30895	2	39.0	96.7	36	80.2	2.2	1	12.7	5.34	43.5	118	94.8	265	214	54
1326	Aberdeen, ID	2Ab11-X08MTC20-47	2	47.2	99.8	74	76.7	1.5	1	16.1	5.06	31.5	152	58.9	378	152	33
1327	Aberdeen, ID	2Ab11-X08MTC20-54	2	46.6	98.8	68	79.8	1.5	1	13.0	4.93	39.8	128	65.9	159	176	45
1328	Aberdeen, ID	2Ab11-X08MTC20-87	2	42.0	97	68	79.9	1.9	1	13.2	5.12	39.2	123	79.2	192	176	44
1329	Aberdeen, ID	2Ab11-X08MTC12-75	2	42.4	97.6	71	81.9	2.0	1	11.6	5.52	48.4	131	106.7	203	230	58
1330	Aberdeen, ID	2Ab11-X08MTC12-86	2	39.6	98.4	73	80.2	1.8	1	12.9	4.96	38.9	150	84.3	271	188	50
1331	Aberdeen, ID	2Ab11-X08MTC12-87	2	43.1	98.1	72	80.8	1.7	1	12.4	5.33	42.9	152	105.9	323	223	60
1332	Aberdeen, ID	2Ab11-X08M234-13	2	41.4	95.3	63	80.9	2.5	1	13.6	5.93	46.6	134	83.9	210	211	45
1333	Aberdeen, ID	2Ab11-X08M249-5	2	45.3	96	59	81.4	2.3	1	13.1	5.77	45.7	149	111.9	508	216	54
1334	Aberdeen, ID	2Ab11-X08M249-33	2	45.8	97.8	64	81.0	2.1	1	13.2	5.35	41.8	157	84.8	119	207	61
1335	Aberdeen, ID	2Ab11-X08M264-31	2	44.0	97.7	68	82.4	2.6	2	11.7	4.98	45.4	76	73.9	354	192	55
1336	Aberdeen, ID	2Ab11-X08M264-40	2	43.2	97.1	63	82.4	2.3	1	11.8	5.00	43.0	80	76.9	242	183	54
1337	Aberdeen, ID	2Ab11-X08M260-33	2	41.7	94.8	67	82.4	1.7	1	11.7	4.66	42.5	125	72.7	156	167	65
1338		HARRINGTON MALT CHECK	2	40.0	97.6	75	81.9	1.7	1	11.7	4.97	45.3	126	96.7	106	196	57
1339	Aberdeen, ID	2Ab11-X08MTC2-76	2	41.5	96.2	72	79.5	1.5	1	12.7	4.26	34.3	156	62.6	383	130	45
1340	Aberdeen, ID	2Ab11-X08MTC2-92	2	40.8	97.1	63	77.7	1.4	1	14.0	4.08	30.6	140	50.6	413	123	28
1341	Aberdeen, ID	2Ab11-X08MTC2-99	2	41.0	95.7	65	77.9	1.8	1	15.3	5.02	33.6	167	64.0	350	158	32
1342	Aberdeen, ID	2Ab11-X08M280-60	2	42.7	97.1	60	78.7	1.4	1	12.3	3.79	31.3	106	49.9	430	118	34
1343	Aberdeen, ID	2Ab11-X08M280-71	2	43.5	98.5	64	78.6	1.7	1	13.8	5.05	37.9	112	79.0	740	186	37
1344	Aberdeen, ID	2Ab11-X08MTC21-9	2	38.1	96.5	68	81.2	1.7	1	11.3	4.13	37.8	99	54.8	269	120	39
1345	Aberdeen, ID	2Ab11-X08MTC21-13	2	38.8	98.2	60	80.8	1.6	1	12.4	4.07	34.5	125	55.6	219	125	43
1346	Aberdeen, ID	2Ab11-X08MTC21-17	2	42.0	98.8	55	80.2	1.6	1	13.7	4.54	34.3	167	64.5	285	143	39
1347	Aberdeen, ID	2Ab11-X08MTC21-24	2	38.3	94.8	55	80.4	1.7	1	13.3	4.30	33.3	140	58.9	92	140	45
1348		HARRINGTON MALT CHECK	2	41.0	96	77	82.5	1.7	1	11.8	5.14	47.6	128	92.5	73	194	64
1349	Aberdeen, ID	2Ab11-X08MTC21-71	2	39.9	95.1	74	81.0	1.7	1	13.4	4.48	34.8	117	65.3	216	133	42
1350	Aberdeen, ID	2Ab11-X08MTC21-77	2	40.7	99	65	79.8	1.5	1	13.1	4.15	32.3	131	50.7	232	120	40
1351	Aberdeen, ID	2Ab11-X08MTC21-80	2	41.8	97.1	51	81.2	1.4	1	11.6	3.88	34.9	104	50.9	295	118	42
1352	Aberdeen, ID	2Ab11-X08MTC21-90	2	43.2	98.3	66	80.4	1.4	1	12.3	3.55	29.9	111	44.8	517	104	37
1353	Aberdeen, ID	2Ab11-X08MTC21-95	2	39.3	98.2	64	82.1	1.6	1	11.5	4.23	37.9	114	57.2	233	132	43
1354	Aberdeen, ID	2Ab11-X08M266-9	2	43.0	92	64	77.8	1.6	1	14.1	4.88	34.8	133	74.4	413	163	33
1355	Aberdeen, ID	2Ab11-X08F208-3	2	42.6	97.9	60	79.5	2.1	1	13.5	5.01	38.1	115	56.4	330	160	42
1356	Aberdeen, ID	2Ab11-X08M268-29	2	41.7	97.7	65	80.4	1.5	1	14.1	5.28	38.2	144	102.1	166	205	44
1357	Aberdeen, ID	2Ab11-X08M268-47	2	40.7	98.8	63	79.4	1.9	1	14.9	5.87	39.9	148	100.9	259	228	40
1358	Aberdeen, ID	2Ab11-X08M282-43	2	41.0	97.2	71	83.4	1.8	1	11.7	5.09	45.2	118	75.0	265	186	57
1359	Aberdeen, ID	2Ab11-X08M282-55	2	43.1	96.4	67	80.0	1.5	1	14.2	5.36	38.8	125	70.8	294	193	45
1360	Aberdeen, ID	2Ab11-X08M282-68	2	43.4	99.4	61	80.4	1.8	1	14.3	5.77	41.3	164	96.5	269	215	46
1361	Aberdeen, ID	2Ab11-X08M242-20	2	40.9	98.3	67	79.3	2.5	2	13.0	5.11	39.9	101	67.5	216	165	37
1362	Aberdeen, ID	2Ab11-X08M242-25	2	42.1	96.7	68	80.1	2.0	1	12.5	5.01	40.3	101	71.2	218	178	52
1363	Aberdeen, ID	2Ab11-X08M242-38	2	43.5	99	69	79.4	1.8	1	14.3	5.58	39.3	106	66.5	438	166	34
1364	Aberdeen, ID	2Ab11-X08M261-34	2	44.0	99.3	63	82.3	1.7	1	10.5	4.70	45.3	149	92.3	131	177	56
1365	Aberdeen, ID	2Ab11-X08M222-5	2	41.9	97.4	77	79.6	1.4	1	13.7	4.64	34.5	163	78.8	102	148	42
1366	Aberdeen, ID	2Ab11-X08M235-7	2	42.4	97.8	74	82.3	1.9	1	11.4	5.07	45.7	112	69.0	139	182	61
1367		HARRINGTON MALT CHECK	2	40.3	97.5	77	82.3	1.6	1	12.0	5.00	44.8	121	92.3	127	201	65
1368	Aberdeen, ID	2Ab11-X08M235-12	2	42.2	98.3	66	81.6	2.0	1	11.6	4.91	43.0	122	73.6	133	160	61
1369	Aberdeen, ID	2Ab11-X08M235-35	2	39.8	97.1	67	78.4	2.1	2	14.4	4.37	31.1	131	53.6	603	134	29
1370	Aberdeen, ID	2Ab11-X08M235-47	2	44.9	98.3	65	82.1	1.6	1	12.6	5.04	42.6	137	89.2	218	187	61
1371	Aberdeen, ID	2Ab11-X08M236-15	2	43.6	91.7	62	79.8	2.0	1	15.1	6.34	42.8	155	93.5	172	238	43
1372	Aberdeen, ID	2Ab11-X08M228-20	2	42.4	96.5	65	81.5	1.9	1	11.5	4.69	42.8	123	80.8	146	161	61

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1373	Aberdeen, ID	2Ab11-X08M228-22	2	43.9	97.5	70	78.5	1.5	1	14.7	5.03	34.8	139	77.8	243	179	37
1374	Aberdeen, ID	2Ab11-X08M283-35	2	43.0	98.9	71	79.8	1.9	1	14.2	5.81	41.4	123	88.9	387	200	46
1375	Aberdeen, ID	2Ab11-X08M283-40	2	40.4	94.7	74	79.8	1.4	1	12.8	4.48	35.2	114	73.2	540	163	46
1376	Aberdeen, ID	2Ab11-X08M256-10	2	45.7	98.5	69	78.9	1.5	1	13.8	5.44	39.8	129	68.1	346	197	42
1377	Aberdeen, ID	2Ab11-X08M238-19	2	40.8	97.4	71	80.5	2.2	1	11.7	4.92	41.1	104	66.3	469	168	51
1378	Aberdeen, ID	2Ab11-X08M243-20	2	42.2	98.7	67	81.7	1.7	1	12.9	5.32	42.8	129	72.9	209	195	63
1379	Aberdeen, ID	2Ab11-X08M243-28	2	41.6	96.1	75	81.1	1.7	1	13.7	5.49	41.8	144	81.9	237	206	52
1380	Aberdeen, ID	2Ab11-X08M243-47	2	41.2	97.8	66	80.9	1.4	1	13.6	5.66	42.9	154	77.5	217	197	45
1381	Aberdeen, ID	2Ab11-X08MTC9-13	2	40.6	96.9	61	81.1	1.9	1	12.7	5.73	45.3	135	76.6	304	201	58
1382	Aberdeen, ID	2Ab11-X08MTC8-16	2	40.6	97.1	64	82.0	1.5	1	11.3	4.24	39.1	113	67.2	152	152	45
1383	Aberdeen, ID	2Ab11-X08MTC8-28	2	42.8	96.1	64	80.7	1.8	1	12.4	4.07	33.3	115	53.4	263	123	43
1384	Aberdeen, ID	2Ab11-X08MTC8-40	2	42.5	98.2	65	79.0	1.7	1	14.1	4.17	30.8	149	46.5	168	108	30
1385	Aberdeen, ID	2Ab11-X08MTC8-44	2	40.8	96.9	69	79.4	1.7	1	13.2	4.09	31.9	146	49.0	131	118	40
1386	Aberdeen, ID	2Ab11-X08MTC8-57	2	36.1	98.8	65	83.1	1.6	1	10.8	4.32	43.7	100	58.9	113	157	44
1387	Aberdeen, ID	2Ab11-X08MTC8-72	2	45.0	98.7	59	80.0	1.8	1	13.9	4.56	33.6	150	62.5	211	153	40
1388	Aberdeen, ID	2Ab11-X08MTC8-73	2	41.2	98.8	50	79.0	1.6	1	14.4	4.53	32.9	152	60.2	204	149	36
1389	Aberdeen, ID	2Ab11-X08MTC8-77	2	41.7	95.3	52	80.7	1.4	1	12.6	4.40	36.7	139	61.2	125	154	52
1390	Aberdeen, ID	2Ab11-X08MTC8-96	2	39.5	96.8	60	79.0	1.8	1	13.4	4.02	31.2	128	49.5	310	118	32
1391	Aberdeen, ID	2Ab11-X08M279-38	2	42.5	93.1	54	80.5	1.6	1	12.7	4.96	39.6	134	62.3	370	176	50
1392	Aberdeen, ID	2Ab11-X08M244-24	2	41.5	99.4	63	79.5	1.6	1	14.5	5.22	37.3	181	92.3	236	183	42
1393	Aberdeen, ID	2Ab11-X08M244-29	2	41.5	97.8	61	81.0	2.2	1	15.0	6.75	45.5	207	116.4	98	255	52
1394	Aberdeen, ID	2Ab11-X08M219-46	2	43.4	99.3	72	80.7	1.2	1	12.3	4.37	36.6	123	50.6	297	141	46
1395	Aberdeen, ID	2Ab11-X08M231-9	2	47.4	96.7	80	81.1	2.2	1	13.6	5.74	43.7	116	93.9	287	219	46
1396		HARRINGTON MALT CHECK	2	40.0	98.1	79	82.5	1.6	1	11.3	4.97	45.9	129	93.9	142	194	65
1397	Aberdeen, ID	2Ab11-X08M231-12	2	45.4	97.7	68	81.1	2.3	1	13.5	5.91	45.2	121	89.4	280	226	54
1398	Aberdeen, ID	2Ab11-X08M231-14	2	44.2	98.6	71	80.9	2.1	1	13.0	5.36	42.1	116	84.2	247	217	52
1399	Aberdeen, ID	2Ab11-X08M231-16	2	45.0	97.3	73	82.4	2.3	1	11.5	5.33	49.2	113	86.8	126	201	58
1400	Aberdeen, ID	2Ab11-X08M231-19	2	42.7	97.4	76	81.8	1.7	1	12.2	4.96	43.5	129	96.8	222	193	63
1401	Aberdeen, ID	2Ab11-X08M231-28	2	43.2	99.1	67	80.9	2.3	1	14.2	6.03	42.5	148	98.1	233	231	43
1402	Aberdeen, ID	2Ab11-X08M221-27	2	43.8	99.1	66	81.0	1.6	1	13.5	5.15	39.7	189	101.8	235	197	48
1403	Aberdeen, ID	2Ab11-X08MTC14-25	2	42.4	97.9	68	79.5	1.8	1	13.7	5.20	38.0	160	80.1	409	188	43
1404	Aberdeen, ID	2Ab11-X08MTC14-33	2	42.7	97.5	70	81.0	2.0	1	12.9	5.39	43.6	140	97.5	185	200	63
1405	Aberdeen, ID	2Ab11-X08MTC14-68	2	43.0	98.4	65	80.9	2.1	1	14.2	6.20	45.8	135	97.6	186	248	43
1406	Aberdeen, ID	2Ab11-X08MTC14-84	2	42.3	98.1	65	81.5	2.0	1	13.7	5.91	43.4	140	81.5	240	225	49
1407	Aberdeen, ID	2Ab11-X08MTC14-88	2	39.6	95.2	62	81.1	1.7	1	13.1	5.16	40.0	155	67.5	176	191	55
1408	Aberdeen, ID	2Ab11-X08MTC14-100	2	43.5	98.4	63	80.0	2.0	1	14.4	6.20	43.3	130	96.4	465	240	43
1409	Aberdeen, ID	2Ab11-X08MTC3-26	2	43.4	99	65	80.7	1.7	1	13.4	4.83	36.4	118	66.4	248	163	42
1410	Aberdeen, ID	2Ab11-X08MTC3-49	2	39.2	94.8	65	80.5	1.4	1	12.7	4.34	35.8	118	63.4	148	140	43
1411	Aberdeen, ID	2Ab11-X08MTC3-60	2	43.2	97.5	76	79.7	1.3	1	13.5	4.10	32.0	126	56.0	245	129	41
1412	Aberdeen, ID	2Ab11-X08MTC3-67	2	46.0	98.7	68	79.0	1.7	1	15.0	5.63	39.5	167	90.7	132	205	41
1413	Aberdeen, ID	2Ab11-X08MTC3-81	2	42.2	99.5	57	79.8	1.5	1	14.1	4.69	34.5	124	66.8	276	155	40
1414	Aberdeen, ID	2Ab11-X08M278-12	2	44.2	99.5	66	77.9	1.6	1	15.9	5.38	35.6	177	92.3	317	178	33
1415	Aberdeen, ID	2Ab11-X08M278-55	2	41.0	98.3	68	79.4	1.5	1	12.7	5.22	42.2	140	82.2	277	177	51
1416	Aberdeen, ID	2Ab11-X08M277-66	2	45.1	99.3	65	80.7	1.9	1	13.2	5.35	41.6	143	90.5	242	200	55
1417	Aberdeen, ID	2Ab11-X08M277-75	2	46.3	98.4	65	81.7	1.9	1	13.6	5.75	43.6	140	89.9	224	206	49
1418	Aberdeen, ID	2Ab11-X08M263-3	2	39.2	95.1	76	82.1	1.9	1	11.8	4.99	44.1	136	94.3	120	186	61
1419	Aberdeen, ID	2Ab11-X08MTC11-1	2	41.4	96.4	65	82.0	1.4	1	11.7	4.33	39.2	124	58.9	211	152	48
1420	Aberdeen, ID	2Ab11-X08MTC11-4	2	44.0	99.1	66	78.5	1.5	1	15.6	5.09	33.2	136	60.1	174	166	37
1421	Aberdeen, ID	2Ab11-X08MTC11-59	2	39.7	94.9	65	81.5	1.4	1	12.3	4.34	37.2	127	57.1	211	159	46

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1422	Aberdeen, ID	2Ab11-X08MTC11-60	2	38.8	97.2	65	83.5	1.8	1	11.6	5.09	45.6	103	76.8	180	213	57
1423	Aberdeen, ID	2Ab11-X08MTC11-84	2	43.5	99	64	80.7	1.7	2	12.9	4.46	35.6	145	65.8	253	146	49
1424	Aberdeen, ID	2Ab11-X08M252-12	2	40.5	96.8	70	81.6	1.7	1	12.2	4.92	43.6	135	75.9	259	193	62
1425		HARRINGTON MALT CHECK	2	41.0	97.6	75	83.0	1.5	1	11.8	5.13	46.4	143	100.4	96	210	69
1426	Aberdeen, ID	2Ab11-X08M252-28	2	41.5	96.9	68	81.9	2.0	1	12.9	5.59	43.8	144	79.8	311	218	62
1427	Aberdeen, ID	2Ab11-X08M252-44	2	45.4	96.6	76	80.8	1.7	1	14.8	5.80	41.2	151	76.3	482	235	46
1428	Aberdeen, ID	2Ab11-X08M252-45	2	48.5	99.6	71	80.5	1.8	1	15.6	5.90	38.9	202	81.1	433	228	41
1429	Aberdeen, ID	2Ab11-X08M270-21	2	42.6	98.6	73	80.2	2.1	1	15.2	6.17	42.3	201	101.4	152	239	43
1430	Aberdeen, ID	2Ab11-X08MTC18-70	2	39.6	97.7	72	81.6	1.8	1	12.1	5.07	41.8	124	96.1	431	194	60
1431	Aberdeen, ID	2Ab11-X08M239-3	2	45.3	97.4	77	81.9	1.6	1	12.2	5.01	42.3	121	93.4	380	197	63
1432	Aberdeen, ID	2Ab11-X08M239-23	2	40.9	98.3	72	79.9	1.8	1	15.3	5.68	38.5	169	108.5	379	221	40
1433	Aberdeen, ID	2Ab11-X08M239-25	2	43.6	99	73	81.8	3.1	2	13.3	6.06	46.4	125	96.4	320	239	50
1434	Aberdeen, ID	2Ab11-X08M239-34	2	45.2	98.8	77	79.7	1.7	1	13.7	5.12	38.2	132	86.4	477	204	45
1435	Aberdeen, ID	2Ab11-X08M239-50	2	44.3	98	74	81.8	2.0	1	12.9	5.54	44.2	154	111.5	319	223	63
1436	Aberdeen, ID	2Ab11-X08M251-4	2	42.1	97.4	76	81.0	1.9	1	12.7	4.75	39.2	134	89.0	266	170	50
1437	Aberdeen, ID	2Ab11-X08M237-33	2	42.6	96.7	68	81.2	1.9	1	11.7	4.89	42.4	129	93.0	109	175	61
1438	Aberdeen, ID	2Ab11-X08M237-50	2	42.0	98.1	70	81.5	2.1	1	13.7	5.97	44.8	139	85.5	107	239	52
1439	Aberdeen, ID	2Ab11-X08M257-33	2	42.5	97.5	72	80.3	1.7	1	12.4	4.65	39.4	133	82.9	128	161	53
1440	Aberdeen, ID	2Ab11-X08MTC16-91	2	37.6	96.2	64	82.6	1.7	1	11.5	4.99	46.3	120	75.8	114	200	58
1441	Aberdeen, ID	2Ab11-X08MTC16-6	2	42.2	98.9	62	80.3	2.7	1	14.0	6.10	45.0	131	97.9	370	248	43
1442	Aberdeen, ID	2Ab11-X08MTC16-73	2	43.7	98.8	73	79.8	1.8	1	13.8	5.04	36.5	141	72.7	266	188	43
1443	Aberdeen, ID	2Ab11-X08M276-15	2	39.1	96.3	70	82.2	1.7	1	12.5	5.16	43.5	135	93.6	74	197	67
1444	Aberdeen, ID	2Ab11-X08MTC15-15	2	41.3	95.8	65	80.2	1.4	1	13.2	5.05	39.0	138	86.5	468	200	49
1445	Aberdeen, ID	2Ab11-X08MTC15-70	2	42.4	97.2	68	81.7	2.2	1	11.8	5.06	44.6	116	82.1	240	196	60
1446	Aberdeen, ID	2Ab11-X08MTC15-80	2	40.9	93.5	54	81.7	1.7	1	12.1	5.00	43.3	134	77.6	210	199	62
1447	Aberdeen, ID	2Ab11-X08MTC15-99	2	42.6	96.5	66	80.5	1.8	1	14.1	5.24	38.7	144	73.3	231	199	45
1448	Aberdeen, ID	2Ab11-X08M229-38	2	41.5	95.3	64	82.6	1.8	1	11.8	4.81	43.2	119	84.9	146	177	57
1449	Aberdeen, ID	2Ab11-X08M229-43	2	42.3	97.6	72	81.0	1.8	1	14.1	4.81	34.8	158	64.1	212	176	43
1450	Aberdeen, ID	2Ab11-X08M229-50	2	37.8	92.4	55	82.0	1.6	1	11.3	4.44	40.4	117	71.4	185	163	50
1451	Aberdeen, ID	2Ab11-X08MTC5-4	2	44.3	93.6	71	80.3	1.6	1	12.0	4.76	42.0	105	92.6	161	169	52
1452	Aberdeen, ID	2Ab11-X08MTC5-6	2	44.3	96.3	66	80.2	1.9	1	13.4	5.50	43.5	139	89.5	93	203	62
1453	Aberdeen, ID	2Ab11-X08MTC5-15	2	45.3	96.8	70	81.0	2.0	1	13.5	5.47	42.2	130	77.6	68	196	57
1454		HARRINGTON MALT CHECK	2	40.2	96.2	75	82.4	1.7	1	12.0	5.00	43.1	130	96.6	67	203	69
1455	Aberdeen, ID	2Ab11-X08MTC5-31	2	43.9	97.4	70	79.5	1.7	1	13.5	4.66	36.4	120	56.8	172	155	45
1456	Aberdeen, ID	2Ab11-X08MTC5-33	2	44.8	97.4	66	79.8	2.0	1	13.7	5.36	41.9	102	77.6	213	189	45
1457	Aberdeen, ID	2Ab11-X08MTC5-34	2	43.7	97.5	70	80.1	1.8	1	13.7	5.29	40.5	105	74.8	327	188	45
1458	Aberdeen, ID	2Ab11-X08MTC5-38	2	41.7	92.6	72	78.6	1.8	1	14.3	5.37	38.5	148	89.2	98	193	48
1459	Aberdeen, ID	2Ab11-X08MTC5-40	2	44.4	97.8	73	80.3	1.8	1	13.4	5.43	41.8	115	83.6	242	199	52
1460	Aberdeen, ID	2Ab11-X08MTC5-59	2	40.8	95	72	80.3	1.7	1	14.0	5.41	40.4	147	74.9	123	197	52
1461	Aberdeen, ID	2Ab11-X08MTC5-88	2	45.3	99.1	62	77.8	2.0	1	16.5	6.27	38.2	157	97.6	256	227	31
1462	Aberdeen, ID	ACMetcalfe	2	39.5	97.2	73	81.1	1.9	1	13.8	5.47	40.3	171	103.1	87	214	57
1463	Aberdeen, ID	Merit	2	40.5	95.9	74	81.5	1.9	1	12.5	5.19	43.0	174	100.2	172	200	62
1464	Aberdeen, ID	Harrington #1	2	42.2	98.2	66	80.6	1.8	1	14.4	5.77	41.2	151	101.0	353	230	46
1465	Aberdeen, ID	Harrington #2	2	39.1	95.3	72	80.2	1.8	1	13.9	5.46	40.5	162	89.5	283	214	47
1466	Aberdeen, ID	Harrington #3	2	42.1	97.3	73	81.0	1.7	1	13.0	5.41	41.6	150	91.9	240	212	58
1467	McVille, ND	CONLON	2	42.0	98.8	36	80.3	2.1	1	13.0	5.26	42.0	137	88.1	265	196	54
1468	McVille, ND	PINNACLE	2	36.8	98	43	78.9	2.3	1	12.2	5.17	44.5	126	83.8	129	190	53
1469	McVille, ND	LACEY	6	32.9	96.2	40	79.6	2.3	1	12.2	5.39	45.2	153	85.6	142	208	66
1470	McVille, ND	STELLAR-ND	6	33.7	98.1	45	80.3	2.7	1	12.0	5.70	49.3	173	91.2	134	228	61

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1471	McVille, ND	2ND30903	2	41.5	98.9	42	81.4	2.4	1	11.5	5.25	49.1	120	91.6	171	218	57
1472	McVille, ND	2ND30906	2	39.8	97.8	39	80.7	2.1	1	11.4	4.93	43.7	133	92.9	221	201	57
1473	McVille, ND	2ND30908	2	38.7	94	40	80.9	2.4	1	11.2	5.31	48.9	136	95.3	185	202	52
1474	McVille, ND	2ND30912	2	38.8	94	33	82.0	1.8	1	12.7	4.98	42.0	133	94.8	249	195	60
1475	McVille, ND	2ND30913	2	39.6	96.4	36	81.0	2.2	1	12.9	5.43	44.8	147	92.6	293	223	60
1476	McVille, ND	2ND30914	2	40.0	97.3	38	81.5	2.3	1	11.8	5.22	44.8	122	92.9	457	223	62
1477	McVille, ND	2ND30915	2	40.5	97.4	39	81.7	2.4	1	12.3	5.23	44.9	142	91.9	347	217	62
1478	McVille, ND	2ND30918	2	39.5	97.1	37	81.3	2.3	1	12.7	5.21	44.7	131	92.8	311	214	60
1479	McVille, ND	2ND30919	2	39.9	96.4	42	80.3	2.3	1	12.5	5.29	44.9	128	92.7	282	220	57
1480	McVille, ND	2ND30920	2	38.6	95.1	42	80.4	2.4	1	12.3	5.40	45.0	137	93.9	232	218	57
1481	McVille, ND	2ND30921	2	39.3	95.6	39	80.8	2.3	1	12.4	5.19	45.0	131	88.6	260	211	57
1482	McVille, ND	2ND30924	2	40.4	97.1	42	80.0	2.3	1	12.3	4.96	41.9	114	87.2	266	194	56
1483		HARRINGTON MALT CHECK	2	40.6	96.7	74	82.6	1.7	1	11.9	4.99	43.1	133	96.8	85	198	69
1484	McVille, ND	2ND30926	2	40.1	94.9	42	80.8	1.9	1	11.6	5.07	45.4	132	96.6	327	218	59
1485	McVille, ND	2ND30927	2	36.6	91.6	39	80.2	2.2	1	12.7	5.35	44.9	137	100.6	254	226	55
1486	McVille, ND	2ND30928	2	42.6	97.2	38	81.2	2.4	1	11.6	5.44	48.2	137	90.1	354	224	58
1487	McVille, ND	2ND30929	2	39.0	96.6	40	81.1	2.1	1	12.5	5.44	44.7	131	91.7	405	228	60
1488	McVille, ND	2ND30930	2	41.3	97.3	40	81.3	2.1	1	12.2	5.35	47.4	118	92.8	311	223	54
1489	McVille, ND	2ND30934	2	41.2	95.6	38	81.3	2.2	1	11.9	5.32	45.5	123	88.6	426	220	62
1490	McVille, ND	2ND30936	2	41.0	98.7	40	81.9	2.4	1	11.7	5.18	47.0	115	91.9	384	216	54
1491	McVille, ND	2ND30938	2	42.1	98.5	31	79.7	2.6	1	12.5	5.87	47.6	143	79.1	217	242	51
1492	McVille, ND	2ND30942	2	42.1	98.6	35	80.1	2.4	1	12.1	5.47	48.4	123	73.9	238	220	55
1493	McVille, ND	2ND30943	2	40.5	98	35	80.5	2.6	1	12.2	5.65	48.6	126	78.9	253	224	50
1494	McVille, ND	2ND30946	2	40.6	98	32	79.7	2.4	1	13.1	5.43	42.4	128	77.1	236	192	54
1495	McVille, ND	2ND30948	2	39.3	97.9	36	80.3	2.2	1	12.4	5.68	48.8	131	84.7	163	234	48
1496	McVille, ND	2ND30951	2	41.3	98.5	35	79.7	2.2	1	12.6	5.72	46.1	128	83.9	248	227	55
1497	McVille, ND	2ND30955	2	40.2	98	33	80.6	2.5	1	12.5	5.75	49.2	123	93.0	205	243	50
1498	McVille, ND	2ND30960	2	38.3	97.3	36	79.4	2.3	1	13.0	5.76	47.3	126	87.6	202	240	40
1499	McVille, ND	2ND30961	2	40.5	98	37	80.5	2.3	1	13.1	5.76	45.1	135	86.9	192	237	50
1500	McVille, ND	2ND30963	2	41.8	98.5	29	80.8	2.5	1	12.5	5.52	45.9	123	78.3	229	219	59
1501	McVille, ND	2ND30966	2	40.4	97.4	36	80.2	2.8	1	13.4	6.21	48.5	131	99.4	140	239	45
1502	McVille, ND	2ND30969	2	42.9	99	34	81.5	2.7	1	12.4	6.03	49.9	124	83.3	211	233	51
1503	McVille, ND	2ND30971	2	42.1	98.8	32	81.2	2.6	1	12.3	5.74	47.1	114	78.6	149	218	54
1504	McVille, ND	2ND30974	2	42.8	99.5	37	81.1	3.2	1	13.1	6.37	50.1	124	92.3	171	249	46
1505	McVille, ND	2ND30975	2	39.3	97	35	81.2	3.0	1	12.5	6.27	53.0	127	93.2	141	228	51
1506	McVille, ND	2ND30977	2	42.0	99.3	34	80.8	3.1	1	13.3	6.36	48.9	131	96.4	153	241	42
1507	McVille, ND	2ND30979	2	41.3	98.5	37	80.6	2.3	1	13.0	5.84	47.0	134	92.6	201	229	45
1508	McVille, ND	2ND30982	2	42.2	99.5	36	81.0	2.2	1	12.9	5.68	46.9	140	80.4	200	218	56
1509	McVille, ND	2ND30987	2	41.4	97.2	30	80.9	2.9	1	12.5	6.17	51.6	131	95.2	138	246	50
1510	McVille, ND	2ND30988	2	42.3	98.9	37	81.2	2.5	1	12.7	5.97	47.0	135	95.3	160	233	54
1511	McVille, ND	2ND30989	2	40.1	97.7	37	80.5	2.4	1	12.7	5.97	48.3	131	95.6	135	246	53
1512		HARRINGTON MALT CHECK	2	41.1	97	72	82.7	1.5	1	11.4	4.99	47.7	136	97.0	70	204	64
1513	McVille, ND	2ND30990	2	42.1	98.7	38	80.8	2.7	1	12.7	6.12	48.5	131	97.3	169	250	48
1514	McVille, ND	2ND30994	2	41.5	99	41	81.5	2.9	1	12.7	6.23	51.4	129	92.6	135	249	53
1515	Filer, ID	2Ab11-X08MTC20-47	2	44.8	98.9	76	80.8	1.6	1	11.6	4.33	39.4	96	50.7	167	135	39
1516	Filer, ID	2Ab11-X08MTC20-54	2	44.4	97.7	82	81.7	1.6	1	10.3	4.48	44.6	95	56.8	85	148	53
1517	Filer, ID	2Ab11-X08MTC20-87	2	42.9	98.4	78	82.0	2.2	2	10.4	4.37	44.8	77	57.5	150	138	44
1518	Filer, ID	2Ab11-X08MTC12-75	2	39.9	94.4	80	82.8	1.5	1	9.7	4.31	48.8	103	87.7	165	152	38
1519	Filer, ID	2Ab11-X08MTC12-86	2	37.8	96.9	85	81.3	1.4	1	10.7	4.23	42.2	109	77.4	169	152	41

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1520	Filer, ID	2Ab11-X08MTC12-87	2	40.6	94	78	83.3	1.5	1	9.0	4.22	50.3	100	91.7	157	166	36
1521	Filer, ID	2Ab11-X08M234-13	2	40.3	96.7	77	83.0	1.6	1	10.3	4.60	47.7	113	73.2	74	175	51
1522	Filer, ID	2Ab11-X08M249-5	2	43.1	98.6	77	81.7	1.6	1	11.6	5.10	47.1	146	97.4	240	191	58
1523	Filer, ID	2Ab11-X08M249-33	2	41.2	98.9	87	82.2	2.0	1	10.5	4.95	50.7	115	77.7	86	201	56
1524	Filer, ID	2Ab11-X08M264-31	2	45.1	97.3	78	82.6	1.8	1	11.4	4.70	42.1	97	74.5	212	174	51
1525	Filer, ID	2Ab11-X08M264-40	2	43.7	98.3	83	83.4	2.0	1	9.7	4.28	48.7	69	72.1	90	160	44
1526	Filer, ID	2Ab11-X08M260-33	2	41.3	96.5	72	83.3	1.4	1	9.9	4.16	44.5	116	69.8	82	150	52
1527	Filer, ID	2Ab11-X08MTC2-76	2	40.7	97.7	83	80.8	1.6	1	10.9	3.48	34.5	103	50.8	219	105	34
1528	Filer, ID	2Ab11-X08MTC2-92	2	42.6	98.9	82	80.2	2.2	2	10.8	3.77	37.1	95	43.0	232	113	27
1529	Filer, ID	2Ab11-X08MTC2-99	2	39.0	96.1	85	81.0	1.8	1	10.3	4.21	41.5	97	51.6	93	138	43
1530	Filer, ID	2Ab11-X08M280-60	2	41.5	97.7	81	80.4	2.1	2	9.8	3.43	37.2	87	48.4	384	107	26
1531	Filer, ID	2Ab11-X08M280-71	2	41.8	98.3	76	80.6	1.3	1	10.4	4.15	42.1	86	73.5	344	162	38
1532	Filer, ID	2Ab11-X08MTC21-9	2	36.3	93.2	94	80.8	1.6	1	10.2	3.78	37.8	111	45.5	107	113	30
1533	Filer, ID	2Ab11-X08MTC21-13	2	40.7	98.3	77	82.0	1.9	1	10.7	3.77	37.4	108	50.6	92	119	44
1534	Filer, ID	2Ab11-X08MTC21-17	2	40.0	98.8	76	82.3	2.1	2	10.0	3.52	37.5	102	44.5	142	104	36
1535	Filer, ID	2Ab11-X08MTC21-24	2	38.4	94.1	78	82.1	2.2	2	11.2	3.87	36.5	103	53.8	142	126	42
1536	Filer, ID	2Ab11-X08MTC21-69	2	40.6	98.1	81	80.9	1.9	2	11.4	3.89	36.0	116	50.0	250	118	38
1537	Filer, ID	2Ab11-X08MTC21-71	2	41.7	98	88	82.5	1.5	1	11.4	3.94	37.1	105	55.0	57	123	49
1538	Filer, ID	2Ab11-X08MTC21-77	2	42.6	99.4	79	81.0	2.3	2	11.3	3.59	33.4	114	39.3	191	93	35
1539	Filer, ID	2Ab11-X08MTC21-80	2	41.4	97.9	77	82.1	2.1	1	9.6	3.41	35.7	76	40.2	115	100	33
1540	Filer, ID	2Ab11-X08MTC21-90	2	41.4	97.9	83	82.2	2.9	2	9.0	3.53	39.6	69	43.5	280	113	29
1541		HARRINGTON MALT CHECK	2	39.1	96.7	76	82.4	1.6	1	12.0	5.08	45.2	122	95.7	108	210	63
1542	Filer, ID	2Ab11-X08MTC21-95	2	41.5	98.7	77	80.8	1.5	1	12.3	3.98	34.8	120	51.5	203	130	42
1543	Filer, ID	2Ab11-X08M266-9	2	42.4	95.7	75	79.8	1.6	1	12.1	4.22	36.5	126	81.1	135	156	49
1544	Filer, ID	2Ab11-X08F208-3	2	40.5	96.5	82	80.5	2.1	2	11.0	3.82	37.5	100	46.4	227	125	31
1545	Filer, ID	2Ab11-X08M268-29	2	38.7	97.8	80	82.7	1.7	1	10.8	4.55	44.2	117	98.3	62	188	57
1546	Filer, ID	2Ab11-X08M268-47	2	39.5	97.7	81	81.0	1.7	1	12.3	4.71	40.4	108	88.2	227	197	57
1547	Filer, ID	2Ab11-X08M282-43	2	40.4	96.2	91	84.4	1.6	1	9.0	4.20	48.5	84	66.7	185	167	36
1548	Filer, ID	2Ab11-X08M282-55	2	43.4	98.6	77	82.3	1.5	1	10.6	4.62	46.5	68	71.3	104	183	52
1549	Filer, ID	2Ab11-X08M282-68	2	40.5	97.3	80	82.0	1.8	1	11.1	4.49	44.3	112	86.8	171	181	57
1550	Filer, ID	2Ab11-X08M242-20	2	39.6	96.6	83	81.3	n.d.	3	10.1	4.08	43.1	76	56.7	83	141	44
1551	Filer, ID	2Ab11-X08M242-25	2	40.9	97.6	80	81.5	1.9	1	11.0	4.55	43.9	82	73.1	219	183	48
1552	Filer, ID	2Ab11-X08M242-38	2	41.3	98.6	84	80.8	1.6	2	11.0	3.95	38.0	82	47.9	223	139	26
1553	Filer, ID	2Ab11-X08M261-34	2	41.0	95.6	82	80.5	1.6	1	10.5	4.28	41.3	118	66.7	160	158	42
1554	Filer, ID	2Ab11-X08M222-5	2	41.2	98.7	85	81.8	1.6	1	9.8	3.82	40.4	104	63.4	58	125	49
1555	Filer, ID	2Ab11-X08M235-7	2	44.7	99.1	80	81.4	1.8	1	11.7	4.55	40.5	107	61.1	65	169	62
1556	Filer, ID	2Ab11-X08M235-12	2	41.8	97.2	83	82.4	2.3	2	9.8	4.24	46.6	85	58.8	82	147	47
1557	Filer, ID	2Ab11-X08M235-35	2	37.6	96.7	83	80.9	n.d.	3	10.7	3.66	35.8	90	37.6	263	104	17
1558	Filer, ID	2Ab11-X08M235-47	2	44.3	98.5	82	82.2	1.6	1	10.9	4.32	41.6	112	76.5	107	163	49
1559	Filer, ID	2Ab11-X08M236-15	2	40.6	98.1	84	81.5	1.7	1	11.1	4.85	46.0	116	88.9	84	193	66
1560	Filer, ID	2Ab11-X08M228-20	2	41.2	97.2	81	81.4	1.6	1	11.4	4.11	39.5	118	67.9	107	146	48
1561	Filer, ID	2Ab11-X08M228-22	2	42.0	95.8	84	81.3	1.4	1	11.1	3.99	37.7	98	67.2	84	144	46
1562	Filer, ID	2Ab11-X08M283-35	2	40.3	98.5	81	81.5	2.0	1	11.1	4.76	44.0	92	76.4	73	185	60
1563	Filer, ID	2Ab11-X08M283-40	2	40.5	95.1	84	81.1	1.6	1	11.4	4.04	36.3	95	70.9	261	145	41
1564	Filer, ID	2Ab11-X08M256-10	2	44.1	99.1	77	80.6	1.6	1	11.1	4.49	42.2	78	61.5	111	170	51
1565	Filer, ID	2Ab11-X08M238-19	2	41.6	97.9	88	81.0	1.8	1	10.7	3.88	39.0	112	58.9	102	124	37
1566	Filer, ID	2Ab11-X08M243-20	2	41.8	97.7	87	82.4	1.6	1	10.6	4.34	42.0	115	73.4	54	154	52
1567	Filer, ID	2Ab11-X08M243-28	2	43.2	98.6	81	83.2	1.7	1	10.0	4.56	49.4	99	91.6	84	181	51
1568	Filer, ID	2Ab11-X08M243-47	2	38.5	96.7	78	82.0	1.5	1	10.1	4.15	41.6	112	68.6	78	149	50

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1569	Filer, ID	2Ab11-X08MTC9-13	2	38.3	94	82	82.4	1.9	1	10.3	4.67	47.0	116	82.2	85	174	54
1570	Filer, ID	2Ab11-X08MTC8-16	2	41.5	95.5	85	82.4	n.d.	3	9.6	3.63	39.7	78	54.9	105	121	34
1571	Filer, ID	2Ab11-X08MTC8-28	2	42.5	97.2	80	80.6	n.d.	3	11.3	3.56	32.9	90	42.7	342	112	31
1572		HARRINGTON MALT CHECK	2	40.3	97	76	82.7	1.9	1	11.6	5.11	46.3	120	95.3	62	210	66
1573	Filer, ID	2Ab11-X08MTC8-40	2	41.8	98.4	88	81.4	n.d.	3	10.1	3.38	34.8	106	37.0	54	92	35
1574	Filer, ID	2Ab11-X08MTC8-44	2	42.9	98.4	83	81.1	n.d.	3	10.6	3.34	32.8	103	36.1	59	89	36
1575	Filer, ID	2Ab11-X08MTC8-57	2	36.1	94.4	88	82.6	n.d.	3	9.7	3.96	42.5	76	51.2	82	135	39
1576	Filer, ID	2Ab11-X08MTC8-72	2	43.2	98.9	78	81.2	n.d.	3	10.7	3.61	35.8	93	47.1	143	113	32
1577	Filer, ID	2Ab11-X08MTC8-73	2	40.8	98.2	76	80.4	n.d.	3	11.5	3.61	33.3	90	44.0	155	113	30
1578	Filer, ID	2Ab11-X08MTC8-77	2	40.4	97.9	76	80.8	n.d.	3	10.0	3.51	35.3	87	42.9	97	110	32
1579	Filer, ID	2Ab11-X08MTC8-96	2	41.2	97.6	86	80.2	n.d.	3	11.2	3.50	32.3	98	40.5	239	104	30
1580	Filer, ID	2Ab11-X08M279-38	2	41.8	97.7	79	80.9	1.5	1	10.3	4.05	39.5	117	55.0	198	144	37
1581	Filer, ID	2Ab11-X08M244-24	2	41.0	99.1	82	81.6	1.9	2	10.8	4.02	38.3	124	68.6	63	139	49
1582	Filer, ID	2Ab11-X08M244-29	2	40.5	98.2	83	83.7	2.0	1	10.4	4.80	49.9	121	90.8	49	189	57
1583	Filer, ID	2Ab11-X08M219-46	2	43.6	97.9	77	79.5	1.7	2	12.5	4.09	33.2	106	45.5	358	129	39
1584	Filer, ID	2Ab11-X08M231-9	2	45.0	98.6	82	81.8	2.1	1	10.8	4.95	48.1	92	84.0	130	199	49
1585	Filer, ID	2Ab11-X08M231-12	2	41.9	97.2	86	82.2	2.4	1	10.0	4.78	48.9	80	80.7	93	194	52
1586	Filer, ID	2Ab11-X08M231-14	2	40.0	96.5	87	81.6	2.1	1	9.9	4.40	45.3	91	74.5	96	160	48
1587	Filer, ID	2Ab11-X08M231-16	2	43.7	98.5	82	82.2	1.9	1	9.8	4.71	50.0	94	79.7	71	185	51
1588	Filer, ID	2Ab11-X08M231-19	2	39.8	95.6	87	82.5	1.6	1	10.1	3.99	42.0	101	82.0	85	143	47
1589	Filer, ID	2Ab11-X08M231-28	2	40.0	97.6	84	81.9	2.0	1	10.7	4.56	44.1	106	77.7	67	164	54
1590	Filer, ID	2Ab11-X08M221-27	2	44.4	98.9	84	83.0	1.7	1	10.2	4.25	43.9	123	71.5	86	154	56
1591	Filer, ID	2Ab11-X08MTC14-25	2	43.0	98.9	80	80.7	1.8	1	10.8	4.37	43.9	108	63.9	160	155	43
1592	Filer, ID	2Ab11-X08MTC14-33	2	40.1	96.7	88	82.5	1.7	1	8.8	4.11	48.1	97	75.8	123	146	39
1593	Filer, ID	2Ab11-X08MTC14-68	2	42.2	97.4	81	81.1	1.7	1	12.2	5.30	47.2	123	84.3	72	210	65
1594	Filer, ID	2Ab11-X08MTC14-84	2	44.3	96.4	77	82.3	1.9	1	9.9	4.36	47.3	109	66.1	99	159	48
1595	Filer, ID	2Ab11-X08MTC14-88	2	40.9	97.8	84	82.5	1.6	1	10.4	4.69	46.7	128	58.3	92	170	59
1596	Filer, ID	2Ab11-X08MTC14-100	2	40.2	97.9	82	81.8	1.7	1	10.4	4.65	48.5	109	76.5	112	174	47
1597	Filer, ID	2Ab11-X08MTC3-26	2	43.7	98.4	81	80.4	1.9	2	11.6	3.62	32.7	97	46.7	147	117	35
1598	Filer, ID	2Ab11-X08MTC3-49	2	40.2	94.6	88	81.2	1.9	2	10.7	3.74	38.3	94	52.7	69	120	39
1599	Filer, ID	2Ab11-X08MTC3-60	2	42.5	93.7	85	79.7	1.8	2	11.8	3.65	31.7	104	46.5	144	120	39
1600	Filer, ID	2Ab11-X08MTC3-67	2	43.6	98.4	82	82.2	1.7	1	10.9	4.97	45.9	136	94.4	96	191	65
1601		HARRINGTON MALT CHECK	2	40.2	96.6	77	81.1	2.0	1	11.7	4.88	45.2	118	85.2	61	182	64
1602	Filer, ID	2Ab11-X08MTC3-81	2	42.5	98.5	80	80.3	2.2	2	11.6	3.56	32.6	92	43.3	201	116	32
1603	Filer, ID	2Ab11-X08M278-12	2	43.9	99	81	80.5	1.6	1	10.7	4.09	38.8	106	69.1	167	142	38
1604	Filer, ID	2Ab11-X08M278-55	2	40.7	98.9	83	81.4	1.3	1	9.9	3.87	40.7	123	73.3	157	144	45
1605	Filer, ID	2Ab11-X08M277-66	2	43.6	98.6	82	83.6	1.9	1	10.4	4.29	45.2	108	83.6	125	173	49
1606	Filer, ID	2Ab11-X08M277-75	2	46.0	98.7	76	82.1	2.0	1	11.5	5.02	44.6	108	88.8	138	193	63
1607	Filer, ID	2Ab11-X08M263-3	2	39.1	96.4	89	83.2	1.6	1	8.8	4.13	48.4	111	84.8	44	161	45
1608	Filer, ID	2Ab11-X08MTC11-1	2	40.7	93.8	84	81.5	1.5	1	9.9	3.61	38.6	89	46.0	243	136	30
1609	Filer, ID	2Ab11-X08MTC11-4	2	42.2	99.1	80	80.2	1.8	1	11.7	4.18	36.4	104	49.2	175	149	40
1610	Filer, ID	2Ab11-X08MTC11-59	2	39.5	93.5	85	82.0	1.4	1	9.4	3.58	39.3	88	47.8	212	133	28
1611	Filer, ID	2Ab11-X08MTC11-60	2	39.3	96.9	82	83.4	1.6	1	10.8	4.42	44.5	87	66.9	105	194	51
1612	Filer, ID	2Ab11-X08MTC11-84	2	41.0	96.8	80	82.0	2.0	1	9.3	3.32	37.3	97	54.1	91	111	40
1613	Filer, ID	2Ab11-X08M252-12	2	41.4	97	83	82.7	1.6	1	9.9	4.47	47.1	97	66.1	247	182	43
1614	Filer, ID	2Ab11-X08M252-28	2	41.8	98.3	88	83.4	1.6	1	10.4	4.78	50.1	98	67.4	298	208	45
1615	Filer, ID	2Ab11-X08M252-44	2	45.4	98.1	85	83.1	2.1	1	10.5	4.72	47.2	103	73.9	350	204	50
1616	Filer, ID	2Ab11-X08M252-45	2	48.3	98.8	82	81.9	1.7	1	12.7	4.78	40.2	148	64.0	514	191	63
1617	Filer, ID	2Ab11-X08M270-21	2	44.9	99	83	81.5	1.9	1	11.6	5.07	45.6	127	85.1	119	209	66

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1618	Filer, ID	2Ab11-X08MTC18-70	2	41.7	98.3	87	82.9	1.8	1	9.8	4.26	46.6	101	82.4	107	171	48
1619	Filer, ID	2Ab11-X08M239-3	2	43.4	96.7	86	82.6	1.7	1	10.3	4.48	47.6	92	80.0	259	187	44
1620	Filer, ID	2Ab11-X08M239-23	2	43.0	98.1	80	81.9	1.7	1	11.0	4.59	44.9	125	84.9	110	190	64
1621	Filer, ID	2Ab11-X08M239-25	2	43.6	98.9	86	82.7	2.1	1	10.3	4.83	47.8	99	78.5	285	198	46
1622	Filer, ID	2Ab11-X08M239-34	2	45.3	99	84	80.6	1.7	1	12.5	4.73	40.0	104	74.6	510	193	52
1623	Filer, ID	2Ab11-X08M239-50	2	42.6	98.6	78	81.4	1.6	1	11.8	4.67	42.3	122	93.2	197	194	63
1624	Filer, ID	2Ab11-X08M251-4	2	42.8	97.6	78	80.6	1.8	1	11.8	4.37	39.0	92	77.6	409	167	39
1625	Filer, ID	2Ab11-X08M237-33	2	38.8	96.5	86	82.4	1.8	1	9.5	4.28	47.0	71	83.6	83	164	46
1626	Filer, ID	2Ab11-X08M237-50	2	39.3	92.4	87	82.0	2.0	1	10.2	4.97	50.9	77	73.1	77	202	50
1627	Filer, ID	2Ab11-X08M257-33	2	39.9	97.6	80	80.7	n.d.	3	10.6	3.59	35.3	85	38.4	345	107	19
1628	Filer, ID	2Ab11-X08MTC16-91	2	38.7	94.1	81	82.7	1.6	1	10.2	4.36	45.9	122	64.3	86	157	53
1629	Filer, ID	2Ab11-X08MTC16-6	2	42.9	97.7	82	82.2	1.8	1	11.4	4.61	42.6	124	75.9	149	174	61
1630		HARRINGTON MALT CHECK	2	39.9	96.5	77	82.3	1.5	1	11.6	4.81	43.5	136	95.7	141	182	61
1631	Filer, ID	2Ab11-X08MTC16-73	2	41.1	98.8	86	81.8	2.2	1	9.8	4.36	47.8	97	64.7	152	157	36
1632	Filer, ID	2Ab11-X08M276-15	2	38.4	91	83	82.2	1.5	1	11.7	4.77	42.0	124	82.4	73	170	62
1633	Filer, ID	2Ab11-X08MTC15-15	2	42.7	98.2	81	82.8	1.5	1	9.6	4.17	45.0	98	66.6	270	150	42
1634	Filer, ID	2Ab11-X08MTC15-70	2	43.0	96.6	79	80.9	1.6	1	12.8	4.71	38.9	122	77.9	235	172	50
1635	Filer, ID	2Ab11-X08MTC15-80	2	42.2	95.6	78	82.0	2.1	1	10.9	4.58	44.5	107	62.1	137	162	53
1636	Filer, ID	2Ab11-X08MTC15-99	2	40.2	95.9	84	82.4	2.1	1	9.7	4.21	44.6	66	57.0	222	139	41
1637	Filer, ID	2Ab11-X08M229-38	2	41.2	97	81	83.7	1.9	1	9.3	4.31	46.6	85	72.1	81	146	48
1638	Filer, ID	2Ab11-X08M229-43	2	40.8	97.3	83	81.6	1.5	1	11.1	4.04	37.0	124	55.8	281	133	48
1639	Filer, ID	2Ab11-X08M229-50	2	37.8	89.5	74	81.7	1.6	1	11.0	4.27	40.4	92	57.9	217	143	40
1640	Filer, ID	2Ab11-X08MTC5-4	2	42.3	95.2	82	80.2	1.4	1	11.9	4.51	40.6	100	82.1	231	148	48
1641	Filer, ID	2Ab11-X08MTC5-6	2	46.4	97.5	82	80.9	1.8	1	11.5	5.23	47.6	119	84.7	56	175	54
1642	Filer, ID	2Ab11-X08MTC5-15	2	45.0	96.6	83	82.7	2.1	1	10.5	5.09	50.1	104	73.5	43	171	52
1643	Filer, ID	2Ab11-X08MTC5-31	2	41.4	94.5	88	81.5	1.9	1	9.8	4.06	42.3	78	51.8	203	123	41
1644	Filer, ID	2Ab11-X08MTC5-33	2	43.1	97.2	87	81.7	2.0	1	10.3	4.55	46.9	66	70.0	297	149	46
1645	Filer, ID	2Ab11-X08MTC5-34	2	42.4	97.8	92	81.2	1.9	1	11.5	4.98	44.4	76	69.5	323	164	51
1646	Filer, ID	2Ab11-X08MTC5-38	2	40.4	93.6	86	80.4	1.9	1	10.9	4.32	40.9	89	72.4	181	135	38
1647	Filer, ID	2Ab11-X08MTC5-40	2	43.0	96.3	85	81.3	2.0	1	11.6	4.61	41.2	68	68.6	329	150	51
1648	Filer, ID	2Ab11-X08MTC5-59	2	42.4	97.2	86	81.5	1.5	1	11.2	4.68	42.1	97	63.4	43	155	58
1649	Filer, ID	2Ab11-X08MTC5-88	2	43.3	97.5	83	80.1	1.7	1	12.0	4.48	40.7	84	65.3	264	142	48
1650	Filer, ID	ACMetcalfe	2	40.2	98.4	87	82.4	1.6	1	10.9	4.33	44.2	101	82.8	227	155	45
1651	Filer, ID	Merit	2	40.5	96.1	81	83.3	1.9	1	10.4	4.53	45.1	129	93.1	89	156	59
1652	Filer, ID	Harrington #1	2	41.6	98.2	82	82.3	1.5	1	10.4	4.46	44.5	96	79.3	287	157	45
1653	Filer, ID	Harrington #2	2	41.7	98.7	83	82.8	1.6	1	9.8	4.26	45.5	80	74.6	239	152	41
1654	Filer, ID	Harrington #3	2	41.5	98.1	82	82.5	1.4	1	10.3	4.46	44.4	82	75.6	235	157	45
1655	Ray, ND	ROBUST	6	32.2	97.9	31	78.4	2.1	1	16.1	6.99	44.0	234	77.7	156	246	46
1656	Ray, ND	LACEY	6	32.9	98.9	32	78.1	2.2	1	16.4	6.86	43.7	236	87.9	90	236	47
1657	Ray, ND	TRADITION	6	32.3	98.9	31	77.9	2.0	1	15.4	6.04	39.4	247	90.7	136	216	38
1658	Ray, ND	STELLAR-ND	6	32.8	99.7	35	78.8	2.7	1	15.6	6.81	44.9	254	100.2	65	256	50
1659	Ray, ND	QUEST	6	33.0	99.5	29	78.8	2.1	1	15.2	6.38	44.1	205	97.3	199	227	43
1660		LACEY MALT CHECK	6	35.2	93.1	54	79.7	2.8	2	13.0	5.38	44.1	126	69.1	159	189	57
1661	Ray, ND	ND29106	6	31.1	98.6	34	76.9	2.5	1	17.6	6.93	40.3	255	101.1	131	237	33
1662	Ray, ND	ND29134	6	32.2	98.5	30	78.9	2.4	1	15.8	6.68	42.7	240	95.5	170	241	46
1663	Ray, ND	ND29144	6	32.6	99.7	34	78.1	2.3	1	16.4	7.41	47.4	295	114.9	118	291	42
1664	Ray, ND	ND29151	6	32.6	98.6	32	80.4	2.5	1	13.6	6.63	49.3	206	128.2	102	275	53
1665	Ray, ND	ND29157	6	30.0	98.7	28	78.2	2.1	1	14.7	6.39	45.3	243	105.5	122	249	43
1666	Ray, ND	ND29159	6	31.9	99.3	25	77.6	2.1	1	15.7	6.63	42.2	227	102.9	131	254	38

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
1667	Ray, ND	ND29160	6	31.6	99.3	27	77.6	2.2	1	16.0	6.61	42.7	231	99.2	138	249	38
1668	Ray, ND	ND29162	6	32.1	99.8	30	77.3	2.1	1	16.0	6.52	42.7	252	102.9	217	243	36
1669	Ray, ND	ND29166	6	32.9	98.9	25	77.8	2.2	1	15.2	6.20	42.5	210	104.4	172	237	40
1670	Ray, ND	ND29174	6	32.3	99.4	26	77.7	2.4	1	15.6	7.01	45.8	235	109.8	101	269	47
1671	Ray, ND	ND29177	6	30.5	99.1	30	77.8	2.3	1	15.3	6.74	44.4	255	101.6	107	255	46
1672	Ray, ND	ND29185	6	31.9	99.2	30	77.6	2.2	1	16.1	6.82	43.1	254	105.2	96	259	42
1673	Ray, ND	ND29188	6	31.2	98.1	28	77.4	2.3	1	15.2	6.66	45.2	226	103.1	98	260	42
1674	Ray, ND	ND29191	6	31.2	99.5	29	78.3	2.4	1	14.8	6.82	47.4	219	103.5	108	269	44
1675	Ray, ND	ND29192	6	31.8	99.3	32	77.0	2.1	1	15.2	6.35	43.6	227	96.5	203	231	35
1676	Ray, ND	ND29193	6	31.4	98.9	32	77.4	2.1	1	15.8	6.59	42.8	262	107.0	136	255	38
1677	Ray, ND	ND29196	6	30.4	98.8	34	77.9	2.5	1	14.3	6.65	47.6	242	115.4	101	254	41
1678	Ray, ND	ND29197	6	31.6	99.5	31	78.0	2.9	1	15.3	7.23	50.1	245	114.9	75	285	41
1679	Ray, ND	ND29210	6	30.6	99.1	33	76.2	2.4	1	16.8	6.67	40.8	259	102.3	64	234	37
1680	Ray, ND	ND29260	6	29.5	99.2	29	76.4	2.5	1	18.8	7.51	40.2	303	120.6	143	272	31
1681	Ray, ND	ND29262	6	31.4	99.2	35	76.6	2.2	1	17.9	7.00	39.7	298	114.1	105	250	37
1682	Ray, ND	ND29287	6	32.6	99.7	35	77.3	2.2	1	16.0	6.61	42.3	246	101.8	69	242	43
1683	Ray, ND	ND29288	6	32.6	99.7	34	77.9	2.2	1	15.9	6.75	44.3	252	103.4	80	239	47
1684	Ray, ND	ND29297	6	31.7	98.9	27	76.5	2.3	1	15.8	6.44	40.8	251	99.6	72	231	37
1685	Ray, ND	ND29312	6	31.7	99.3	33	77.9	2.2	1	15.8	6.54	43.0	240	96.8	71	248	46
1686	Ray, ND	ND29343	6	31.7	99.5	29	77.7	2.4	1	15.0	6.52	44.4	221	93.3	93	243	46
1687	Ray, ND	ND29345	6	30.2	99.4	28	78.3	2.4	1	15.1	6.86	47.1	229	111.3	72	265	44
1688		LACEY MALT CHECK	6	33.7	89.9	53	79.6	2.5	2	12.8	5.28	42.6	147	71.8	94	197	67
1689	Ray, ND	ND29380	6	31.9	98.6	27	79.3	2.8	1	13.3	6.48	50.6	165	112.3	54	260	57
1690	Ray, ND	ND29439	6	31.1	98.5	31	78.2	2.4	1	15.3	6.95	45.7	274	118.6	62	283	49
1691	Ray, ND	ND29508	6	31.7	99.2	26	77.5	2.2	1	14.8	6.49	44.1	239	101.3	98	244	42
1692	Ray, ND	ND29543	6	31.8	99.6	25	77.7	2.2	1	15.0	6.37	43.9	203	100.5	110	238	46
1693	Ray, ND	ND29572	6	32.2	99.5	29	77.4	2.3	1	16.0	6.69	44.0	236	99.1	86	228	43
1694	Ray, ND	ND29581	6	30.9	98.5	28	77.0	2.3	1	16.3	6.79	42.5	268	92.2	109	259	42
1695	Ray, ND	ND29592	6	32.2	98.3	30	77.5	2.6	1	16.2	6.88	43.9	253	103.7	65	249	43
1696	Ray, ND	ND29595	6	30.5	99.2	28	77.5	2.3	1	15.2	6.21	43.8	232	96.8	100	217	42
1697	Ray, ND	ND29632	6	32.5	99.8	27	77.8	3.2	1	17.5	8.28	48.6	219	120.2	139	323	38
1698	Ray, ND	ND29692	6	30.8	99.4	32	77.9	2.0	1	15.3	6.37	42.8	212	94.2	85	232	46
1699	Ray, ND	CONLON	2	38.0	99.8	33	78.0	2.7	1	15.4	6.20	41.6	173	113.1	340	219	35
1700	Ray, ND	PINNACLE	2	36.8	98.8	29	78.6	2.8	1	14.4	6.14	42.7	185	110.8	122	226	38
1701	Ray, ND	LACEY	6	32.4	98.2	30	76.9	2.5	1	16.7	6.87	41.1	277	98.8	113	250	38
1702	Ray, ND	TRADITION	6	30.9	97.1	35	78.0	2.2	1	15.1	5.86	40.2	246	95.8	140	218	40
1703	Ray, ND	STELLAR-ND	6	32.6	99	36	78.6	2.7	1	15.1	6.44	43.7	261	102.5	83	252	50
1704	Ray, ND	2ND29708	2	38.2	99.7	35	80.9	4.7	1	14.9	7.59	51.5	173	123.7	167	291	35
1705	Ray, ND	2ND29727	2	38.3	99.2	34	80.4	4.3	1	13.7	6.99	51.1	169	124.9	179	279	35
1706	Ray, ND	2ND29791	2	37.1	98.6	31	78.3	3.0	1	13.7	6.19	45.2	167	101.1	156	234	35
1707	Ray, ND	2ND29817	2	40.9	99.1	35	82.2	4.0	1	15.1	7.61	52.6	180	120.6	177	310	40
1708	Ray, ND	2ND29820	2	40.7	98.2	29	82.3	4.2	1	14.6	7.83	56.1	164	141.2	186	331	40
1709	Ray, ND	2ND29827	2	39.4	98.5	31	82.0	3.7	1	15.2	7.22	49.4	175	120.7	201	289	38
1710	Ray, ND	2ND29835	2	37.5	98.4	33	79.7	2.9	1	15.2	6.62	44.3	151	117.5	151	259	38
1711	Ray, ND	2ND29836	2	39.1	97.2	36	81.8	3.6	1	14.3	7.36	51.6	135	128.7	410	305	38
1712	Ray, ND	2ND29863	2	35.6	95.6	32	81.2	2.4	1	14.6	6.38	45.2	170	137.6	205	276	41
1713	Ray, ND	2ND29870	2	41.2	96.2	38	80.0	3.7	1	15.9	8.01	50.4	195	124.9	154	349	37
1714	Ray, ND	2ND29873	2	39.9	98	33	80.4	2.8	1	15.1	7.04	47.4	190	133.7	192	290	35
1715	Ray, ND	2ND29874	2	36.8	97.1	32	80.7	3.1	1	14.8	7.21	50.2	149	136.0	140	317	36

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
1716	Ray, ND	2ND29880	2	41.5	96	30	79.8	3.0	1	15.5	6.94	46.2	165	131.2	262	289	42
1717		HARRINGTON MALT CHECK	2	39.5	96.8	75	82.1	1.7	1	11.8	4.97	45.3	143	106.3	94	199	67
1718	Ray, ND	2ND29888	2	37.4	96.2	29	78.1	2.9	1	14.6	6.35	44.0	210	125.4	126	241	38
1719	Ray, ND	2ND29910	2	36.8	97.7	30	80.6	2.8	1	14.3	6.42	47.1	179	124.8	192	250	33
1720	Ray, ND	2ND29911	2	39.0	98.1	32	82.2	2.5	1	13.9	6.23	46.2	186	108.9	314	241	43
1721	Ray, ND	2ND29915	2	40.3	99.1	30	81.2	3.3	1	14.2	6.61	47.1	162	121.6	417	261	40
1722	Ray, ND	2ND29916	2	37.2	96	29	79.2	2.6	1	14.1	6.16	44.4	206	117.5	257	242	35
1723	Ray, ND	2ND29921	2	37.8	98.2	32	81.0	3.5	1	14.8	7.08	50.0	179	119.9	280	288	33
1724	Ray, ND	2ND29923	2	34.5	96.2	28	78.4	2.6	1	15.5	6.33	41.9	211	118.2	284	238	35
1725	Ray, ND	2ND29929	2	35.2	98.5	28	79.4	2.7	1	14.9	6.14	41.6	191	117.4	434	216	38
1726	Ray, ND	2ND29930	2	38.0	98.4	31	80.8	3.5	1	13.6	6.85	51.2	160	114.9	407	294	33
1727	Ray, ND	2ND29940	2	38.0	97.4	33	80.9	3.1	1	14.6	6.39	46.0	150	91.7	349	264	38
1728	Ray, ND	2ND29941	2	39.3	96.6	31	80.6	3.2	1	14.1	6.37	47.1	149	106.4	256	264	35
1729	Ray, ND	2ND29961	2	39.6	96.9	31	79.0	3.1	1	14.0	6.11	45.4	179	104.1	299	245	37
1730	Ray, ND	2ND29968	2	36.9	98.1	26	80.5	3.3	1	15.1	6.94	46.7	213	113.8	169	280	38
1731	Ray, ND	2ND29974	2	36.8	96.1	32	81.1	3.3	1	14.8	6.88	47.8	199	114.7	224	275	36
1732	Ray, ND	2ND29977	2	36.7	97.5	31	79.8	3.2	1	14.5	6.65	47.5	184	114.2	137	259	36
1733	Ray, ND	2ND29990	2	37.3	96	29	78.9	2.9	1	13.9	6.23	46.0	192	105.4	239	237	35
1734	Ray, ND	2ND30002	2	38.4	98.5	29	81.9	3.1	1	14.3	6.86	50.0	184	107.4	338	275	38
1735	Ray, ND	2ND30006	2	38.1	97.6	29	80.1	3.3	1	15.2	7.09	47.3	197	118.9	299	285	35
1736	Ray, ND	2ND30010	2	36.9	96.9	26	80.4	2.5	1	15.3	6.59	43.5	216	105.8	475	262	38
1737	Ray, ND	2ND30014	2	39.0	96.8	34	82.3	3.2	1	14.5	6.97	48.4	175	109.9	347	282	38
1738	Minot, ND	CONLON	2	39.0	98.4	41	78.6	2.9	1	14.7	6.04	42.2	149	99.8	396	226	37
1739	Minot, ND	PINNACLE	2	38.8	97.3	36	79.9	2.6	1	13.0	5.67	45.3	148	97.3	153	211	53
1740	Minot, ND	LACEY	6	33.0	97.2	39	78.1	2.3	1	14.6	6.11	42.3	218	94.3	100	229	47
1741	Minot, ND	TRADITION	6	32.0	97.2	44	78.9	2.4	1	14.3	5.72	42.0	230	96.0	144	217	49
1742	Minot, ND	STELLAR-ND	6	34.0	98	39	78.9	2.6	1	15.6	6.86	45.8	259	104.7	136	269	46
1743	Minot, ND	2ND29708	2	37.8	98.8	40	81.3	3.6	1	14.7	6.95	48.4	166	120.3	363	263	36
1744	Minot, ND	2ND29727	2	38.0	93.9	38	82.0	2.7	1	12.7	5.83	47.5	149	117.7	229	215	51
1745	Minot, ND	2ND29791	2	36.7	96.6	40	78.8	2.4	1	13.1	5.35	41.2	152	88.4	295	198	47
1746		HARRINGTON MALT CHECK	2	41.2	96.6	75	82.4	1.7	1	11.5	5.03	46.8	136	95.8	100	200	65
1747	Minot, ND	2ND29817	2	42.9	99	40	83.8	3.0	1	13.1	6.65	51.4	148	116.9	360	258	46
1748	Minot, ND	2ND29820	2	43.1	98.8	38	82.2	2.8	1	13.3	6.91	54.7	157	125.3	398	271	46
1749	Minot, ND	2ND29827	2	40.1	97.5	40	82.1	2.6	1	14.1	6.54	47.2	185	119.6	340	254	40
1750	Minot, ND	2ND29835	2	40.1	98.8	38	79.8	2.3	1	14.4	6.12	43.3	132	108.6	366	239	42
1751	Minot, ND	2ND29836	2	40.0	97.4	43	83.0	2.6	1	12.9	6.02	48.1	123	114.8	489	244	50
1752	Minot, ND	2ND29863	2	37.4	94	37	80.9	2.4	1	13.1	5.99	48.3	132	124.5	246	276	41
1753	Minot, ND	2ND29870	2	42.3	95.2	40	80.4	3.4	1	14.4	6.95	49.7	152	110.8	219	307	38
1754	Minot, ND	2ND29873	2	38.6	92.9	37	80.1	2.6	1	14.0	6.04	44.5	154	121.5	293	239	40
1755	Minot, ND	2ND29874	2	37.5	94.2	35	80.3	2.9	1	14.5	6.85	49.9	118	123.8	295	285	30
1756	Minot, ND	2ND29880	2	41.2	92.4	39	79.7	2.7	1	14.2	5.97	42.9	131	111.4	426	240	45
1757	Minot, ND	2ND29888	2	39.2	97	34	79.8	2.4	1	13.2	5.31	43.0	161	103.7	226	215	52
1758	Minot, ND	2ND29910	2	39.5	98.8	36	80.7	2.4	1	13.1	5.60	43.8	140	96.3	511	226	52
1759	Minot, ND	2ND29911	2	41.0	97.9	31	81.1	2.4	1	12.9	5.39	42.9	129	88.9	543	214	62
1760	Minot, ND	2ND29915	2	44.2	99.4	33	82.1	2.6	1	13.1	5.99	46.5	147	111.4	591	254	54
1761	Minot, ND	2ND29916	2	39.4	92.1	30	80.3	2.4	1	13.6	5.75	44.1	170	108.3	393	239	43
1762	Minot, ND	2ND29921	2	39.8	98.2	33	80.7	2.7	1	13.0	6.01	47.2	150	108.2	428	255	45
1763	Minot, ND	2ND29923	2	35.9	95.5	31	79.2	2.5	1	14.4	5.88	42.5	148	111.1	280	244	38
1764	Minot, ND	2ND29929	2	38.5	99.3	32	80.9	2.6	1	13.4	5.97	45.9	143	112.2	431	243	48

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
1765	Minot, ND	2ND29930	2	40.9	98.2	36	82.0	2.8	1	13.4	6.46	50.0	133	114.8	416	292	45
1766	Minot, ND	2ND29940	2	40.2	96.9	37	81.3	2.7	1	13.5	5.93	46.3	119	95.0	332	262	50
1767	Minot, ND	2ND29941	2	38.6	92.9	41	80.7	3.0	1	12.6	5.82	48.3	108	99.4	229	258	45
1768	Minot, ND	2ND29961	2	39.5	94.4	37	80.7	2.8	1	13.0	5.93	46.4	148	102.7	298	252	48
1769	Minot, ND	2ND29968	2	37.0	94.1	36	82.9	2.5	1	13.9	6.03	44.7	162	117.1	219	249	41
1770	Minot, ND	2ND29974	2	36.8	92.6	38	82.8	2.9	1	13.2	5.97	48.6	145	109.7	220	247	44
1771	Minot, ND	2ND29977	2	37.2	91.8	32	81.0	2.7	1	13.1	6.16	48.5	171	121.1	123	266	44
1772	Minot, ND	2ND29990	2	38.2	92.2	41	81.0	2.6	1	12.4	5.81	48.2	161	111.4	177	245	51
1773	Minot, ND	2ND30002	2	39.2	97.7	37	84.0	2.6	1	13.4	6.02	48.3	158	104.8	480	254	43
1774	Minot, ND	2ND30006	2	37.9	95	36	82.4	2.8	1	12.8	6.44	50.6	154	119.1	257	279	46
1775		HARRINGTON MALT CHECK	2	40.6	96.9	75	82.6	1.6	1	11.5	4.99	46.4	117	93.0	192	205	59
1776	Minot, ND	2ND30010	2	40.0	95.4	29	80.0	2.4	1	13.8	5.69	42.9	164	101.5	499	228	43
1777	Minot, ND	2ND30014	2	40.0	97.1	38	82.5	2.9	1	14.0	6.47	47.9	148	115.8	454	270	38
1778	Aberdeen, ID	2Ab10-X08MTC12-79	2	42.5	97.5	65	83.4	2.1	1	11.4	5.41	49.6	116	103.3	338	228	55
1779	Aberdeen, ID	2Ab10-X08MTC12-97	2	41.4	98.8	62	80.4	2.0	1	12.6	4.39	36.3	96	55.7	575	144	38
1780	Aberdeen, ID	2Ab10-X08M245-11	2	41.1	96.4	75	82.3	1.6	1	12.1	4.80	43.1	124	71.1	135	179	60
1781	Aberdeen, ID	2Ab10-X08M249-8	2	44.1	98.8	66	82.3	2.0	1	13.4	6.01	45.7	143	88.8	321	239	51
1782	Aberdeen, ID	2Ab10-X08M264-36	2	42.8	98.6	70	80.9	1.5	1	11.8	4.12	37.4	115	62.5	194	143	43
1783	Aberdeen, ID	2Ab10-X08M260-40	2	47.8	98.1	70	82.9	2.0	1	13.1	5.32	43.3	166	86.1	228	202	58
1784	Aberdeen, ID	2Ab10-X08MTC1-24	2	39.1	95	58	80.8	2.3	1	13.2	5.61	43.3	121	78.8	261	225	48
1785	Aberdeen, ID	2Ab10-X08MTC1-69	2	40.3	96.6	66	81.3	1.9	1	12.4	4.95	41.3	123	79.6	129	182	63
1786	Aberdeen, ID	2Ab10-X08MTC1-73	2	42.7	98.5	71	82.3	2.1	1	11.7	5.33	47.0	120	90.9	88	201	70
1787	Aberdeen, ID	2Ab10-X08MTC1-75	2	40.5	96.9	68	81.3	2.0	1	12.9	5.29	43.0	110	83.6	294	205	59
1788	Aberdeen, ID	2Ab10-X08MTC2-21	2	41.8	94	68	82.7	2.0	1	11.3	5.25	49.8	114	86.1	187	213	54
1789	Aberdeen, ID	2Ab10-X08MTC2-58	2	40.5	97.2	73	79.5	1.8	1	12.1	3.86	33.1	124	59.1	662	123	42
1790	Aberdeen, ID	2Ab10-X08MTC21-55	2	40.8	98.9	62	82.2	1.6	1	11.8	4.22	38.7	114	54.1	343	162	45
1791	Aberdeen, ID	2Ab10-X08MTC21-88	2	40.5	97.4	54	80.4	1.6	1	12.4	4.05	33.6	116	45.8	396	132	39
1792	Aberdeen, ID	2Ab10-X08M281-35	2	41.1	98.2	72	81.8	1.7	1	11.8	4.95	42.8	126	87.8	178	209	62
1793	Aberdeen, ID	2Ab10-X08M266-35	2	41.9	99.2	63	80.8	1.5	1	12.8	4.29	34.0	121	60.0	552	155	45
1794	Aberdeen, ID	2Ab10-X08F211-8	2	45.6	96.9	67	79.8	1.5	1	12.8	4.23	34.7	122	48.9	305	149	43
1795	Aberdeen, ID	2Ab10-X08M268-5	2	40.1	97.2	75	82.1	1.9	1	11.8	4.84	42.0	120	81.5	182	210	62
1796	Aberdeen, ID	2Ab10-X08M228-38	2	41.1	96.9	60	81.5	1.8	1	12.8	4.98	41.8	135	86.0	240	214	62
1797	Aberdeen, ID	2Ab10-X08MTC13-15	2	42.9	95.7	57	80.0	1.9	1	13.0	4.91	40.2	104	65.9	632	213	57
1798	Aberdeen, ID	2Ab10-X08MTC13-3	2	43.9	96.1	66	78.1	2.1	2	12.8	4.04	33.9	85	41.5	940	141	32
1799	Aberdeen, ID	2Ab10-X08MTC13-50	2	43.9	97.5	59	80.7	2.1	1	12.6	5.17	42.9	114	71.0	726	238	57
1800	Aberdeen, ID	2Ab10-X08M238-45	2	42.6	96.7	73	81.8	2.4	1	12.2	4.87	41.5	110	77.2	515	199	60
1801	Aberdeen, ID	2Ab10-X08F246-3	2	43.6	95.1	61	78.7	1.7	1	12.6	4.08	33.0	96	51.7	517	144	36
1802	Aberdeen, ID	2Ab10-X08M258-37	2	46.2	97.2	59	80.1	1.7	1	13.2	4.53	35.7	131	59.2	472	178	45
1803	Aberdeen, ID	2Ab10-X08MTC9-18	2	42.9	96.1	70	80.9	1.8	1	13.5	5.27	41.1	140	84.0	505	233	50
1804		HARRINGTON MALT CHECK	2	39.9	97.2	77	82.5	1.6	1	11.8	5.03	43.8	119	87.1	105	217	55
1805	Aberdeen, ID	2Ab10-X08MTC8-61	2	38.8	95.8	61	79.9	1.8	2	11.9	3.69	31.7	108	45.8	130	123	36
1806	Aberdeen, ID	2Ab10-X08M219-19	2	42.3	98.1	71	78.7	1.6	1	12.7	4.06	33.0	112	40.3	689	144	37
1807	Aberdeen, ID	2Ab10-X08M231-39	2	41.4	97.5	68	81.6	2.0	1	12.8	4.87	41.0	139	87.5	208	202	62
1808	Aberdeen, ID	2Ab10-X08M231-49	2	45.8	98.3	68	81.4	2.8	1	12.9	5.60	46.1	118	95.9	270	265	60
1809	Aberdeen, ID	2Ab10-X08F257-25	2	46.9	97.3	61	78.8	1.7	1	11.8	3.93	33.8	98	53.0	652	149	33
1810	Aberdeen, ID	2Ab10-X08MTC3-16	2	43.6	98.3	61	80.3	2.0	1	13.3	4.70	38.0	91	65.0	393	196	43
1811	Aberdeen, ID	2Ab10-X08MTC11-62	2	43.6	98.6	59	81.3	2.0	1	13.0	5.07	40.5	101	84.4	402	218	55
1812	Aberdeen, ID	2Ab10-X08MTC18-6	2	44.1	98.6	68	81.0	2.3	1	12.4	5.02	42.3	141	77.1	236	193	60
1813	Aberdeen, ID	2Ab10-X08M239-5	2	45.9	97.9	71	79.7	1.9	1	13.7	5.01	37.6	109	70.6	644	216	42

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1814	Aberdeen, ID	2Ab10-X08M239-7	2	42.0	96.1	73	82.2	2.6	1	12.3	5.31	45.0	101	87.2	544	251	60
1815	Aberdeen, ID	2Ab10-X08M239-33	2	46.9	98.7	72	80.9	2.2	1	14.4	5.65	41.4	129	72.4	433	242	46
1816	Aberdeen, ID	2Ab10-X08M251-32	2	44.1	98.3	66	80.3	1.9	1	12.5	4.74	38.6	117	71.6	426	192	52
1817	Aberdeen, ID	2Ab10-X08M251-34	2	41.2	95.8	68	80.5	2.0	1	12.7	4.86	38.6	118	70.5	302	191	51
1818	Aberdeen, ID	2Ab10-X08MTC16-19	2	44.9	97.5	68	80.9	1.9	1	11.8	4.80	42.1	98	61.9	321	188	51
1819	Aberdeen, ID	2Ab10-X08MTC16-29	2	43.3	96.9	72	79.6	2.6	2	12.0	4.15	36.6	119	57.8	566	157	42
1820	Aberdeen, ID	2Ab10-X08MTC16-34	2	42.5	98.3	64	80.7	2.3	1	12.3	5.10	43.8	105	79.7	204	212	57
1821	Aberdeen, ID	2Ab10-X08F241-8	2	43.4	96	65	79.1	1.6	1	11.4	3.93	36.3	103	49.2	329	138	34
1822	Aberdeen, ID	2Ab10-X08F242-67	2	41.7	96.9	66	79.2	1.7	1	12.6	4.17	34.8	94	50.2	797	146	35
1823	Aberdeen, ID	2Ab10-X08M276-46	2	42.5	98.2	73	81.1	2.0	1	12.5	5.10	41.5	119	81.6	345	183	58
1824	Aberdeen, ID	2Ab10-X08M273-27	2	38.5	92.2	65	81.2	1.7	1	11.3	4.90	44.9	128	85.1	230	183	58
1825	Aberdeen, ID	2Ab10-X08MTC15-17	2	41.2	98.6	62	81.4	2.3	1	13.8	5.62	43.3	164	68.5	192	213	48
1826	Aberdeen, ID	2Ab10-X08MTC15-21	2	42.9	95.5	63	80.2	1.6	1	12.9	4.42	36.4	135	53.5	372	161	50
1827	Aberdeen, ID	2Ab10-X08MTC15-39	2	42.7	98.4	69	79.6	1.9	1	13.4	4.31	32.5	131	59.2	585	142	41
1828	Aberdeen, ID	2Ab10-X08MTC15-52	2	42.1	98.1	63	81.8	2.1	1	13.0	5.08	41.8	119	66.3	413	195	60
1829	Aberdeen, ID	2Ab10-X08M275-37	2	42.4	97	60	81.0	2.1	1	13.5	5.64	43.9	119	93.0	299	233	48
1830	Aberdeen, ID	2Ab10-X08MTC5-28	2	45.8	96.2	71	80.6	2.0	1	11.4	4.67	41.1	114	82.4	118	162	55
1831	Aberdeen, ID	2Ab10-X08MTC5-53	2	43.0	97.2	65	79.3	1.6	1	13.4	4.64	35.8	102	61.2	496	160	39
1832	Aberdeen, ID	2Ab10-X08MTC5-64	2	39.1	92	69	80.5	1.6	1	11.7	4.56	40.3	131	84.5	170	157	52
1833		HARRINGTON MALT CHECK	2	41.0	96.8	74	82.5	1.5	1	11.1	4.91	46.4	137	98.5	78	193	54
1834	Aberdeen, ID	2Ab10-X08MTC5-65	2	42.5	93.3	67	81.3	2.0	1	11.6	4.99	45.2	94	69.7	184	181	52
1835	Aberdeen, ID	2Ab10-X08MTC5-72	2	48.5	98.3	73	80.6	2.0	1	12.2	4.85	41.1	114	69.4	252	175	52
1836	Aberdeen, ID	2Ab10-X08MTC5-93	2	44.7	95.5	70	79.3	1.6	1	12.2	4.55	39.2	104	74.9	226	150	44
1837	Aberdeen, ID	2Ab10-X08MTC5-98	2	47.6	97.6	65	78.9	1.7	1	13.2	4.48	34.8	103	63.7	475	146	39
1838	Aberdeen, ID	Harrington	2	41.2	97.3	70	81.4	1.8	1	12.5	5.10	42.0	135	85.3	178	192	62
1839	Aberdeen, ID	Merit	2	41.8	96.6	65	81.4	2.1	1	12.2	5.12	43.2	161	95.0	136	195	65
1840	Crookston, MN	Robust	6	35.0	98.5	43	78.4	2.0	1	12.8	5.20	43.6	137	64.9	127	191	58
1841	Crookston, MN	Lacey	6	33.3	98	37	78.0	2.3	1	13.0	5.26	41.3	154	72.0	60	185	54
1842	Crookston, MN	Tradition	6	34.5	98.8	49	78.3	n.d.	3	12.4	4.35	36.9	163	66.7	82	154	48
1843	Crookston, MN	Quest	6	32.7	95.6	46	79.1	1.8	1	11.4	4.67	43.7	124	76.5	156	172	46
1844	Crookston, MN	Rasmusson	6	33.7	98.8	40	78.9	2.7	2	12.0	4.70	42.4	135	73.2	164	183	47
1845	Crookston, MN	MS10S4001-013	6	34.1	95.2	40	78.9	2.4	1	12.1	4.91	43.7	133	77.7	167	190	51
1846	Crookston, MN	MS10S4001-017	6	32.6	95.4	41	78.3	1.6	1	13.1	5.03	40.2	149	72.1	214	184	46
1847	Crookston, MN	MS10S4002-012	6	33.0	94.9	41	79.0	3.0	1	13.3	6.32	50.6	137	76.7	72	248	55
1848	Crookston, MN	MS10S4004-016	6	33.8	97.5	42	78.3	1.6	1	13.4	5.38	42.7	165	77.1	185	203	60
1849		MS10S4005-006	6	34.6	99.5	44	79.9	3.3	1	12.7	6.13	49.9	121	69.4	55	244	55
1850	Crookston, MN	MS10S4007-005	6	33.1	95.9	44	78.9	1.6	1	13.2	5.04	40.9	148	75.5	235	180	46
1851	Crookston, MN	MS10S4008-002	6	34.3	98.4	42	77.9	1.6	1	14.2	5.55	40.6	170	75.9	235	192	40
1852	Crookston, MN	MS10S4013-006	6	33.1	96.9	43	78.3	1.7	1	13.8	5.19	40.3	161	69.0	180	186	41
1853	Crookston, MN	MS10S4013-009	6	33.5	97.6	43	79.3	2.5	1	12.5	6.05	48.5	125	68.8	88	236	55
1854	Crookston, MN	MS10S4013-019	6	32.7	98.1	43	80.0	3.1	1	12.4	6.43	53.3	121	75.4	66	235	55
1855	Crookston, MN	MS10S4013-023	6	33.9	98.2	44	79.6	2.4	1	12.6	6.11	48.6	152	68.5	63	243	58
1856	Crookston, MN	MS10S4031-012	6	35.6	98.5	40	78.2	2.1	1	13.3	5.51	43.0	169	76.7	133	224	60
1857	Crookston, MN	MS10S4032-006	6	34.1	98.8	37	77.5	2.0	1	14.0	5.41	39.5	181	73.8	168	199	39
1858	Crookston, MN	MS10S4032-008	6	34.6	98.5	43	78.6	2.9	2	13.2	5.18	41.3	171	70.6	110	216	57
1859	Crookston, MN	MS10S4032-018	6	34.1	98.9	39	77.8	2.1	1	14.1	5.41	39.7	166	74.6	168	217	45
1860	Crookston, MN	MS10S4034-015	6	32.3	97.6	42	79.2	2.5	1	12.9	5.73	45.3	148	66.9	83	232	66
1861	Crookston, MN	MS10S4034-024	6	34.3	97.8	41	78.1	2.3	1	14.2	5.96	43.5	157	67.0	89	232	50
1862		LACEY MALT CHECK	6	33.5	89.1	56	80.0	2.5	1	13.2	5.44	43.9	141	60.2	95	211	70

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
1863	Crookston, MN	MS10S4036-009	6	33.9	96.6	40	78.6	1.9	1	12.7	4.91	39.6	156	69.9	94	196	56
1864	Crookston, MN	MS10S4042-003	6	34.6	99.5	43	78.3	2.1	1	13.5	5.53	42.9	153	64.8	110	215	67
1865	Crookston, MN	MS10S4051-012	6	36.7	99.6	45	79.1	2.3	1	13.2	5.61	45.3	122	79.0	109	226	67
1866	Crookston, MN	MS10S4051-024	6	32.9	99.7	44	77.2	2.3	1	14.0	5.91	43.8	140	73.7	81	228	46
1867	Crookston, MN	MS10S4052-009	6	35.2	99.3	41	76.9	2.2	1	14.2	5.69	41.3	154	87.9	166	221	41
1868	Crookston, MN	MS10S4052-014	6	34.5	98	42	77.8	1.8	1	12.4	5.11	42.9	119	68.7	160	199	47
1869	Crookston, MN	MS10S4052-020	6	35.6	99.6	43	77.7	2.2	1	12.8	5.90	46.5	123	74.9	101	256	57
1870	Crookston, MN	Gen2-129	6	32.6	92	47	75.4	2.9	1	16.6	7.18	43.6	197	69.4	62	281	43
1871	Crookston, MN	Gen10-17	6	33.9	97.7	42	79.5	3.0	1	13.4	6.32	48.2	132	65.8	69	256	55
1872	Crookston, MN	Gen10-52	6	32.9	94.8	37	78.7	2.6	1	12.7	5.54	43.7	153	70.8	68	204	67
1873	Crookston, MN	Gen10-57	6	31.6	96.9	44	78.3	4.2	1	14.5	7.45	51.5	148	65.0	48	282	44
1874	Crookston, MN	Gen10-68	6	32.9	97.2	39	78.2	3.4	1	14.8	7.07	48.2	156	62.6	51	280	42
1875	Crookston, MN	Robust-2	6	35.1	98.8	36	78.1	1.9	1	13.7	5.64	42.0	171	61.9	110	230	54
1876	Crookston, MN	Lacey-2	6	33.6	98.1	33	78.2	2.2	1	13.8	5.45	40.5	167	71.8	77	211	54
1877	Crookston, MN	Tradition-2	6	33.6	96.9	39	78.1	n.d.	3	13.8	5.12	38.8	203	72.7	172	200	41
1878	Crookston, MN	Quest-2	6	33.4	97.5	39	78.9	1.8	1	12.9	5.14	43.0	147	72.8	206	207	56
1879	Crookston, MN	Rasmusson-2	6	34.5	98.7	42	79.8	2.0	1	11.9	5.17	44.6	131	72.7	127	211	59
1880	Crookston, MN	Robust	6	35.7	99.1	41	78.2	1.7	1	13.5	5.57	41.3	179	66.6	141	229	50
1881	Crookston, MN	Lacey	6	34.1	98	37	78.9	2.0	1	13.5	5.41	41.7	162	75.1	87	214	62
1882	Crookston, MN	Tradition	6	34.5	98.9	46	78.8	2.3	2	13.6	5.09	40.2	200	75.5	115	208	52
1883	Crookston, MN	Quest	6	34.2	97.9	41	78.5	1.8	1	13.8	5.60	42.3	164	82.1	219	241	55
1884	Crookston, MN	Rasmusson	6	34.0	97.5	37	79.2	2.4	1	13.4	5.44	42.0	162	79.5	101	235	65
1885	Crookston, MN	MS10S4070-020	6	34.3	97.3	36	78.3	1.8	1	14.1	5.59	42.0	170	77.1	163	227	48
1886	Crookston, MN	MS10S4070-021	6	33.8	96.7	39	79.2	1.9	1	13.2	5.73	44.8	169	78.3	91	236	66
1887	Crookston, MN	MS10S4070-023	6	34.5	97.3	44	78.6	2.0	1	13.8	5.99	44.7	187	78.0	123	223	54
1888	Crookston, MN	MS10S4072-001	6	33.3	98.5	43	79.7	2.0	1	12.8	5.50	46.0	129	76.3	112	239	67
1889	Crookston, MN	MS10S4075-003	6	33.4	97.1	44	79.1	3.1	1	13.6	6.61	49.5	122	63.3	75	295	50
1890	Crookston, MN	MS10S4077-017	6	34.6	97.6	39	78.9	2.9	1	13.4	6.91	51.7	156	69.9	59	314	55
1891	Crookston, MN	LACEY MALT CHECK	6	33.6	89	56	79.8	2.5	2	12.9	5.42	44.3	148	67.9	137	221	65
1892	Crookston, MN	MS10S4082-018	6	35.2	98.2	40	77.4	1.8	1	12.9	5.31	42.1	178	69.9	168	206	56
1893	Crookston, MN	MS10S4085-001	6	32.1	95.5	44	80.0	3.7	1	13.4	6.69	53.8	127	71.4	55	297	55
1894	Crookston, MN	MS10S4085-003	6	33.8	97.6	44	79.8	3.4	1	13.3	6.65	53.4	152	74.0	88	301	58
1895	Crookston, MN	MS10S4085-004	6	32.5	95.2	41	79.7	3.3	1	14.5	6.90	51.1	153	78.6	51	302	48
1896	Crookston, MN	MS10S4085-011	6	34.6	98.5	42	79.0	2.2	1	12.9	5.66	45.2	173	84.8	64	235	70
1897	Crookston, MN	MS10S4085-015	6	34.8	98.9	45	80.4	4.0	1	12.8	6.70	53.7	130	73.9	52	284	55
1898	Crookston, MN	MS10S4085-020	6	32.3	96.4	47	80.0	4.2	1	12.5	6.66	54.4	114	67.0	103	276	51
1899	Crookston, MN	MS10S4096-002	6	32.2	97.1	40	78.8	4.3	1	14.6	7.20	49.6	150	70.4	53	288	45
1900	Crookston, MN	MS10S4096-010	6	33.0	98.5	43	79.1	3.0	1	13.4	6.47	49.3	141	70.6	76	258	58
1901	Crookston, MN	MS10S4096-023	6	32.6	97.4	43	78.5	3.0	1	13.7	6.23	48.2	148	71.8	80	226	50
1902	Crookston, MN	MS10S4096-024	6	33.3	95.6	42	77.3	2.2	1	13.5	5.65	42.2	174	78.9	103	216	55
1903	Crookston, MN	MS10S4097-007	6	32.5	97.6	43	79.4	3.2	1	13.0	6.83	53.2	143	80.0	59	308	58
1904	Crookston, MN	MS10S4098-014	6	32.3	97.4	46	78.0	2.0	1	13.5	5.76	44.2	173	74.1	114	237	60
1905	Crookston, MN	MS10S4100-006	6	32.3	96.2	44	79.1	1.9	1	13.0	5.51	44.9	166	83.9	139	222	66
1906	Crookston, MN	MS10S4100-022	6	34.2	97.9	43	77.3	2.0	1	13.7	5.45	41.8	151	78.8	271	212	43
1907	Crookston, MN	MW08-14	6	36.7	98.8	39	77.2	3.0	2	13.6	5.20	40.7	113	63.2	161	190	29
1908	Crookston, MN	Robust-2	6	34.6	98.9	41	78.9	1.8	1	13.4	5.41	43.0	168	66.4	122	210	63
1909	Crookston, MN	Quest-2	6	34.3	98.3	44	79.7	1.8	1	12.5	5.30	44.3	161	82.2	188	209	63
1910	Crookston, MN	Lacey-2	6	32.8	97.8	37	78.7	2.1	1	13.6	5.63	42.5	181	79.5	69	207	62
1911	Crookston, MN	Tradition-2	6	33.7	97.4	46	78.6	2.6	2	13.2	4.78	37.6	204	74.6	112	172	49

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
1912	Crookston, MN	Rasmusson-2	6	33.7	96.9	39	79.6	2.6	1	12.5	5.38	45.8	156	80.7	73	216	70
1913	Morris, MN	Robust	6	31.3	91.1	41	79.6	2.2	1	12.1	5.58	48.4	159	77.9	123	234	60
1914	Morris, MN	Lacey	6	32.1	89.8	45	80.3	2.3	1	10.7	5.26	50.5	129	89.2	84	214	57
1915	Morris, MN	Tradition	6	31.7	93.8	48	79.5	2.2	1	12.0	5.23	46.6	151	92.5	59	216	69
1916	Morris, MN	Quest	6	29.9	83.9	43	80.0	2.0	1	11.3	5.15	48.6	150	104.6	81	211	53
1917	Morris, MN	Rasmusson	6	31.5	83.6	41	80.2	2.2	1	11.3	5.23	49.1	137	98.6	68	215	56
1918	Morris, MN	MS10S4001-013	6	30.3	81.7	44	79.7	2.1	1	11.2	5.06	47.6	130	94.0	81	198	50
1919	Morris, MN	MS10S4001-017	6	31.2	85.4	43	77.9	1.9	1	11.9	5.11	45.2	146	93.2	89	199	57
1920		LACEY MALT CHECK	6	33.8	89.4	58	79.9	2.4	1	13.0	5.33	41.3	145	73.6	99	197	63
1921	Morris, MN	MS10S4002-012	6	29.3	80.9	42	80.2	2.8	1	11.3	5.77	53.6	133	109.3	44	256	50
1922	Morris, MN	MS10S4004-016	6	31.0	90.9	44	78.8	2.1	1	11.6	5.27	48.4	155	93.9	63	207	61
1923	Morris, MN	MS10S4005-006	6	31.6	92.1	47	80.5	2.6	1	11.5	5.79	50.5	141	100.2	63	247	60
1924	Morris, MN	MS10S4007-005	6	31.5	94.7	43	79.5	2.1	1	12.1	5.35	47.3	148	84.0	99	211	64
1925	Morris, MN	MS10S4008-002	6	32.5	94.9	42	79.1	2.1	1	12.2	5.50	46.7	175	88.5	82	211	70
1926	Morris, MN	MS10S4013-006	6	30.2	82.5	40	78.9	2.2	1	11.9	5.13	44.8	141	82.2	67	197	60
1927	Morris, MN	MS10S4013-009	6	30.6	86.5	47	79.7	2.4	1	11.7	5.64	52.2	134	96.3	54	240	61
1928	Morris, MN	MS10S4013-019	6	30.2	90.7	42	80.9	2.3	1	12.1	5.78	49.9	150	101.1	65	261	60
1929	Morris, MN	MS10S4013-023	6	29.5	84.1	43	79.7	2.8	1	12.7	5.99	49.5	156	106.2	62	284	58
1930	Morris, MN	MS10S4031-012	6	34.0	97.1	39	79.5	2.1	1	12.4	5.16	44.3	158	88.0	107	235	66
1931	Morris, MN	MS10S4032-006	6	32.3	92.3	44	79.0	2.0	1	12.0	4.82	41.1	153	78.2	129	195	55
1932	Morris, MN	MS10S4032-008	6	32.2	91.3	45	79.5	2.1	1	12.7	5.53	44.8	172	89.4	89	239	70
1933	Morris, MN	MS10S4032-018	6	31.6	95.2	40	79.3	2.2	1	12.8	5.11	41.2	164	85.0	85	210	60
1934	Morris, MN	MS10S4034-015	6	33.0	94.5	46	81.3	2.2	1	11.6	5.42	47.9	150	85.5	66	237	65
1935	Morris, MN	MS10S4034-024	6	33.5	95	45	80.5	2.2	1	11.3	5.32	48.7	134	81.8	108	231	57
1936	Morris, MN	MS10S4036-009	6	31.4	90.2	44	79.9	2.0	1	11.4	4.72	44.7	138	77.0	77	203	54
1937	Morris, MN	MS10S4042-003	6	32.6	96.2	45	79.5	2.2	1	12.1	5.35	47.1	149	89.0	80	230	65
1938	Morris, MN	MS10S4051-012	6	33.5	93.9	47	79.5	2.7	1	12.0	5.61	50.4	119	90.6	75	250	58
1939	Morris, MN	MS10S4051-024	6	31.8	98.2	48	78.6	2.2	1	12.4	5.73	50.3	152	88.3	54	252	57
1940	Morris, MN	MS10S4052-009	6	32.4	98.8	46	78.6	2.6	1	12.4	5.59	48.8	121	98.3	108	245	59
1941	Morris, MN	MS10S4052-014	6	34.2	96.8	45	80.0	2.1	1	11.6	5.38	48.0	117	85.7	102	222	58
1942	Morris, MN	MS10S4052-020	6	34.4	98.6	51	79.2	2.7	1	12.2	6.13	50.5	124	86.1	122	265	51
1943	Morris, MN	Gen2-129	6	32.6	86.4	50	76.0	3.0	1	16.4	7.24	45.8	237	97.2	45	305	43
1944	Morris, MN	Gen10-17	6	32.4	91.2	46	80.2	2.3	1	11.2	5.30	48.1	135	81.8	62	233	57
1945	Morris, MN	Gen10-52	6	33.1	92.4	46	79.8	2.1	1	11.5	4.98	44.8	146	81.7	58	211	61
1946	Morris, MN	Gen10-57	6	31.2	90.3	50	78.8	3.1	1	13.0	6.29	48.9	161	81.5	37	280	54
1947	Morris, MN	Gen10-68	6	32.7	93.3	50	79.2	2.7	1	12.3	5.73	48.1	144	78.7	40	255	61
1948	Morris, MN	Robust-2	6	33.8	96.5	47	79.6	1.9	1	12.0	5.19	46.2	162	66.4	127	231	62
1949		LACEY MALT CHECK	6	34.0	88	57	79.5	2.3	1	12.8	5.26	42.2	133	64.8	83	217	67
1950	Morris, MN	Lacey-2	6	35.9	96.4	45	79.6	2.0	1	12.2	5.09	42.8	158	80.2	48	198	64
1951	Morris, MN	Tradition-2	6	33.2	95.6	51	79.0	2.2	2	11.9	4.57	39.5	172	79.5	54	200	52
1952	Morris, MN	Quest-2	6	33.5	95.9	44	79.6	1.7	1	11.4	4.89	44.4	158	85.4	154	206	57
1953	Morris, MN	Rasmusson-2	6	34.0	92	45	80.2	2.2	1	11.9	5.11	45.0	163	84.8	84	206	66
1954	Morris, MN	Robust	6	30.8	91.9	45	79.4	2.1	1	12.0	5.40	46.6	169	78.6	64	232	69
1955	Morris, MN	Lacey	6	32.3	92	44	79.2	2.3	1	11.7	5.12	46.5	144	89.9	52	225	66
1956	Morris, MN	Tradition	6	30.7	91.4	46	78.7	2.0	1	11.9	4.88	41.9	175	91.9	43	196	55
1957	Morris, MN	Quest	6	30.5	89.2	43	79.7	2.1	1	11.5	5.12	48.1	159	103.5	64	209	60
1958	Morris, MN	Rasmusson	6	31.4	86.2	43	79.9	2.3	1	10.8	4.92	48.4	135	98.9	55	218	52
1959	Morris, MN	MS10S4070-020	6	32.0	91	45	78.7	2.1	1	12.9	5.36	41.8	197	94.3	75	222	62
1960	Morris, MN	MS10S4070-021	6	31.2	90.7	43	79.2	2.1	1	12.1	5.43	45.6	194	100.1	60	220	69

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
1961	Morris, MN	MS10S4070-023	6	31.7	86.7	44	79.0	2.1	1	13.1	5.50	44.4	202	96.3	57	223	66
1962	Morris, MN	MS10S4072-001	6	31.9	92.2	44	79.4	2.3	1	11.8	5.34	46.5	147	101.6	59	252	69
1963	Morris, MN	MS10S4075-003	6	31.4	90.8	48	79.4	2.9	1	12.1	6.14	52.6	137	97.4	55	285	54
1964	Morris, MN	MS10S4077-017	6	31.4	92.1	45	79.1	2.7	1	11.9	6.13	52.9	165	90.8	52	315	57
1965	Morris, MN	MS10S4082-018	6	33.2	95	40	78.5	2.2	1	12.6	5.33	43.4	191	83.9	92	236	67
1966	Morris, MN	MS10S4085-001	6	33.1	89.5	44	81.1	3.1	1	11.6	6.07	54.6	156	100.3	55	311	58
1967	Morris, MN	MS10S4085-003	6	31.6	90.4	42	79.7	2.8	1	12.3	5.90	49.4	160	95.7	117	303	60
1968	Morris, MN	MS10S4085-004	6	30.9	84.7	41	80.6	2.7	1	11.7	6.08	53.6	170	105.9	66	308	57
1969	Morris, MN	MS10S4085-011	6	32.4	88.8	42	79.3	2.3	1	12.0	5.65	49.3	168	97.8	68	273	65
1970	Morris, MN	MS10S4085-015	6	32.8	92.8	41	80.4	3.0	1	12.5	6.28	52.1	167	100.3	60	318	58
1971	Morris, MN	MS10S4085-020	6	32.0	87.8	42	80.6	3.0	1	12.1	6.33	52.8	158	98.6	107	311	57
1972	Morris, MN	MS10S4096-002	6	31.1	89.1	43	80.1	3.0	1	12.8	6.37	51.7	156	91.1	53	310	57
1973	Morris, MN	MS10S4096-010	6	31.6	92.5	42	79.8	2.7	1	11.8	5.91	51.6	134	90.2	114	293	57
1974	Morris, MN	MS10S4096-023	6	31.3	86.1	43	79.0	2.4	1	13.2	5.88	45.8	164	83.1	110	268	65
1975	Morris, MN	MS10S4096-024	6	31.2	91	44	79.0	2.1	1	11.8	5.42	46.1	188	86.3	96	242	66
1976	Morris, MN	MS10S4097-007	6	30.6	86.8	45	80.1	2.8	1	12.1	6.23	52.9	141	87.1	71	316	57
1977	Morris, MN	MS10S4098-014	6	31.5	91.2	50	79.2	2.4	1	11.7	5.13	46.8	147	68.5	164	239	61
1978		LACEY MALT CHECK	6	33.6	88.7	53	80.0	2.5	1	12.6	5.36	44.7	144	64.7	96	230	70
1979	Morris, MN	MS10S4100-006	6	31.7	91.2	42	80.2	2.2	1	11.7	5.42	47.4	143	90.5	110	257	64
1980	Morris, MN	MS10S4100-022	6	28.7	86.9	48	79.6	2.1	1	12.1	5.45	48.0	156	90.4	126	253	58
1981	Morris, MN	MW08-14	6	31.6	89.9	44	77.9	2.7	1	12.7	5.17	42.8	110	69.9	189	226	45
1982	Morris, MN	Robust-2	6	32.2	91.5	44	79.0	1.9	1	12.8	5.27	43.6	166	67.9	172	248	63
1983	Morris, MN	Quest-2	6	31.5	88.6	46	79.5	2.0	1	11.4	5.12	46.6	146	81.2	165	241	56
1984	Morris, MN	Lacey-2	6	35.3	96.1	48	79.6	2.6	1	11.9	4.99	43.4	144	73.2	111	230	66
1985	Morris, MN	Tradition-2	6	31.8	92.7	53	79.1	2.5	1	12.3	4.94	43.3	171	81.0	81	238	65
1986	Morris, MN	Rasmusson-2	6	34.9	92.3	44	80.1	2.7	1	11.2	5.22	47.9	147	81.3	121	257	56
1987	Corvallis, OR	Pop1-88/2	6	38.2	97.3	46	78.3	2.6	1	9.2	4.30	49.4	73	63.7	152	164	34
1988	Corvallis, OR	Pop1-88/1	6	39.6	97.7	49	78.1	2.5	1	9.1	4.17	48.4	70	60.1	169	160	31
1989	Corvallis, OR	Pop1-13A/1	6	38.9	98.3	49	77.9	2.2	1	10.8	4.50	44.3	77	58.7	245	180	33
1990	Corvallis, OR	Pop1-99/1	6	37.3	96.1	48	77.2	2.8	2	10.7	4.70	47.8	96	58.7	288	184	23
1991	Corvallis, OR	Pop1-95/1	6	34.7	94.1	40	75.3	n.d.	3	10.9	4.88	46.2	99	49.5	324	181	27
1992	Corvallis, OR	Pop1-18/1	6	34.1	96.4	49	78.9	n.d.	3	10.0	4.31	46.6	95	59.3	240	163	34
1993	Corvallis, OR	Pop1-33/1	6	37.6	95.6	44	79.2	n.d.	3	9.1	4.14	50.3	75	56.0	181	162	32
1994	Corvallis, OR	Pop1-77/1	6	39.1	98	47	76.0	n.d.	3	10.6	4.22	41.9	67	47.2	563	160	19
1995	Corvallis, OR	Pop1-18/2	6	36.7	94.6	51	77.7	n.d.	3	9.5	4.30	47.1	98	59.2	238	164	26
1996	Corvallis, OR	Pop1-82/3	6	37.3	94.4	39	78.9	2.1	1	10.1	4.39	44.8	91	70.0	351	166	36
1997	Corvallis, OR	Pop1-34/1	6	36.6	96.5	58	79.4	n.d.	3	8.8	4.22	51.4	73	64.8	290	162	32
1998	Corvallis, OR	Pop1-88/3	6	38.3	97.7	45	78.1	2.5	1	9.0	4.17	48.5	70	63.3	244	154	28
1999	Corvallis, OR	Pop1-69/1	6	34.1	91.9	48	78.8	3.7	3	9.0	3.97	47.1	68	58.3	317	152	29
2000	Corvallis, OR	Pop1-145/1	6	34.9	92.1	46	78.5	3.3	2	9.3	4.16	49.3	69	63.2	224	162	30
2001	Corvallis, OR	Pop1-269/1	6	35.2	92.2	55	78.4	n.d.	3	9.2	3.96	47.7	60	54.1	458	146	29
2002	Corvallis, OR	Pop1-73/1	6	34.5	93.3	50	78.2	2.4	1	9.6	3.98	43.3	64	56.4	369	149	33
2003	Corvallis, OR	Pop1-37/1	6	35.8	93.1	52	77.7	2.1	1	10.2	4.51	46.6	60	57.8	494	169	29
2004	Corvallis, OR	Pop1-58/5	6	32.9	92.2	45	77.6	2.2	1	11.4	5.06	48.3	122	81.7	303	200	36
2005	Corvallis, OR	Pop1-254/1	6	37.0	88.6	54	76.2	2.3	1	10.7	4.85	47.7	87	64.5	437	191	30
2006	Corvallis, OR	Pop1-39/1	6	38.3	95.8	52	77.7	2.9	2	9.4	4.27	46.7	77	58.5	366	155	32
2007	Corvallis, OR	Pop1-69/2	6	35.8	94.6	45	78.4	n.d.	3	9.5	4.22	47.2	72	56.5	360	161	29
2008	Corvallis, OR	Pop1-58/4	6	31.6	90.7	47	78.8	2.2	1	10.5	4.71	48.2	108	76.7	339	189	30
2009	Corvallis, OR	Pop1-3/2	6	32.0	89.3	46	77.2	n.d.	3	9.6	4.24	48.4	83	65.2	437	159	21

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
2010	Corvallis, OR	Pop1-/4 unknown	6	33.5	90.3	42	78.0	n.d.	3	8.7	4.11	50.9	81	61.7	252	157	26
2011	Corvallis, OR	Pop1-98/1	6	34.2	92.2	55	78.5	2.8	1	9.8	4.34	46.5	76	56.9	199	161	36
2012	Corvallis, OR	Pop1-82/2	6	34.9	88.4	43	78.5	2.1	1	10.0	4.28	44.4	77	61.7	397	156	36
2013	Corvallis, OR	Pop1-275/1	6	35.3	91.2	48	76.6	3.2	2	9.8	4.28	47.3	96	57.7	213	170	23
2014	Corvallis, OR	Pop1-112/1	6	35.3	95.3	48	78.4	2.9	1	9.1	4.35	52.8	67	61.5	196	170	31
2015		LACEY MALT CHECK		33.0	90.2	59	78.6	3.1	2	12.8	5.50	44.8	116	63.0	92	207	59
2016	Corvallis, OR	Pop1-293/1	6	36.8	93.9	50	77.7	n.d.	3	8.7	4.08	49.5	69	55.9	160	160	29
2017	Corvallis, OR	Pop1-168/1	6	34.7	83.1	46	76.5	3.0	1	9.0	4.58	51.7	88	68.1	120	181	31
2018	Corvallis, OR	Pop1-58/2	6	31.3	88.9	48	77.3	2.3	1	11.1	5.12	48.3	119	69.9	401	205	31
2019	Corvallis, OR	Pop1-/3 unknown	6	33.9	93.1	43	78.0	n.d.	3	8.6	4.11	50.8	79	59.5	220	157	26
2020	Corvallis, OR	Pop1-176A/1	6	34.9	93.3	48	77.3	n.d.	3	9.3	3.97	46.5	74	61.3	257	153	27
2021	Corvallis, OR	Pop1-3/3	6	29.7	85	46	77.1	n.d.	3	9.5	4.37	49.2	85	61.4	336	170	19
2022	Corvallis, OR	Pop1-36/1	6	35.0	90.6	52	77.7	2.6	2	10.8	4.40	43.1	89	58.5	298	173	28
2023	Corvallis, OR	Pop1-65/1	6	34.8	88.7	62	77.1	2.0	1	9.3	3.75	41.6	77	52.0	421	128	24
2024	Corvallis, OR	Pop1-38/1	6	34.6	91.5	50	76.5	2.4	1	10.1	4.50	46.6	89	64.0	561	179	29
2025	Corvallis, OR	Pop1-145/2	6	33.2	87.7	45	78.0	3.2	1	9.3	4.23	49.2	72	62.2	254	169	28
2026	Corvallis, OR	Pop1-3/1	6	30.1	84.9	49	76.4	4.0	2	10.0	4.38	48.3	89	60.6	324	174	22
2027	Corvallis, OR	Pop1-12/1	6	32.4	92.8	46	77.0	2.4	1	10.7	4.88	49.5	111	66.3	286	208	32
2028	Corvallis, OR	Pop1-239/2	6	37.9	89	56	79.7	2.4	1	8.3	3.82	48.9	78	52.7	189	147	34
2029	Corvallis, OR	Pop1-58/1	6	31.0	85.8	48	76.8	2.3	1	11.7	5.08	47.2	133	71.0	431	209	40
2030	Corvallis, OR	Pop1-28/1	6	34.7	91.1	57	79.4	2.9	1	9.6	4.18	44.9	90	65.1	260	167	39
2031	Corvallis, OR	Pop1-/1 unknown	6	33.6	87.9	46	77.6	2.8	1	9.3	4.25	49.9	84	59.0	376	169	24
2032	Corvallis, OR	Pop1-74/1	6	29.4	92.3	51	77.6	n.d.	3	9.3	3.77	41.7	82	45.7	639	139	16
2033	Corvallis, OR	Pop1-/2 unknown	6	31.5	90	43	77.8	4.2	2	9.0	4.19	50.4	79	57.4	339	165	26
2034	Corvallis, OR	Pop2-23/2	6	34.5	97	52	78.6	n.d.	3	9.5	3.39	38.2	61	43.4	665	109	26
2035	Corvallis, OR	Pop2-18A/2	6	37.4	95.7	45	78.6	3.1	2	10.3	4.33	46.3	70	48.1	324	162	32
2036	Corvallis, OR	Pop2-57/5	6	34.8	96.2	48	79.5	3.2	2	9.1	3.79	46.2	58	48.3	221	146	35
2037	Corvallis, OR	Pop2-23/3	6	35.0	96.5	52	78.4	n.d.	3	9.8	3.45	39.0	66	40.8	485	114	26
2038	Corvallis, OR	Pop2-57/3	6	35.9	96.1	50	78.3	3.6	2	10.1	3.92	41.5	68	48.1	500	144	27
2039	Corvallis, OR	Pop2-95/1	6	37.3	91.8	49	78.3	3.1	2	9.8	4.04	44.2	75	54.3	280	155	35
2040	Corvallis, OR	Pop2-18A/1	6	38.1	95.8	47	77.8	n.d.	3	10.3	3.89	40.2	71	43.3	384	133	23
2041	Corvallis, OR	Pop2-57/1	6	37.5	95.9	55	77.2	n.d.	3	10.9	3.96	37.5	79	47.6	575	143	19
2042	Corvallis, OR	Pop2-18B/2	6	34.4	94.5	44	79.0	n.d.	3	10.1	4.10	43.6	73	49.4	440	155	34
2043	Corvallis, OR	Pop2-57/4	6	36.6	96.3	53	78.7	n.d.	3	10.1	3.96	43.2	70	51.4	391	149	34
2044		LACEY MALT CHECK		34.0	90.1	57	78.9	2.7	1	13.3	5.40	43.7	127	73.0	81	211	64
2045	Corvallis, OR	Pop2-65/1	6	36.7	94.9	48	80.6	3.0	1	9.2	4.43	53.4	80	70.7	75	183	41
2046	Corvallis, OR	Pop2-76/1	6	34.6	92.5	62	78.4	n.d.	3	9.0	3.68	44.7	63	48.0	319	136	31
2047	Corvallis, OR	Pop2-107/1	6	34.1	90.3	51	77.8	n.d.	3	8.1	3.28	43.1	64	43.1	394	114	28
2048	Corvallis, OR	Pop2-57/2	6	35.7	94.5	52	77.4	n.d.	3	10.8	3.97	38.9	75	52.1	541	147	22
2049	Corvallis, OR	Pop2-85/1	6	31.0	91.4	50	77.3	n.d.	3	9.0	3.89	48.7	66	53.6	182	144	21
2050	Corvallis, OR	Pop2-10/1	6	34.4	88.8	47	77.5	2.8	1	10.5	5.22	49.6	102	73.5	137	216	39
2051	Corvallis, OR	Pop2-18A/3	6	37.3	96.9	45	78.8	n.d.	3	8.9	3.83	46.2	60	51.5	380	145	34
2052	Corvallis, OR	Pop2-94/1	6	33.2	89.9	39	77.5	2.7	1	9.1	4.47	50.4	83	68.0	102	177	31
2053	Corvallis, OR	Pop2-15/1	6	34.5	87.7	50	77.8	3.0	1	8.8	4.52	54.7	81	77.2	55	183	35
2054	Corvallis, OR	Pop2-41/1	6	37.1	91.7	49	75.6	3.0	2	12.2	4.60	40.0	92	62.3	465	170	28
2055	Corvallis, OR	Pop2-1/1	6	33.1	79.1	47	75.5	2.8	2	10.4	4.14	41.2	91	52.5	438	159	21
2056	Corvallis, OR	OR76	6	34.5	88.3	53	78.4	2.9	2	9.7	4.31	46.1	81	67.6	354	166	35
2057	Corvallis, OR	Maja	6	25.1	48.8	51	77.4	2.5	1	10.4	4.70	47.2	125	72.0	69	211	30
2058	Corvallis, OR	NB3437-UNL2010	6	22.7	36.9	33	71.5	4.7	2	11.1	4.59	42.8	109	59.2	141	185	21

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2059	Corvallis, OR	OR71	6	32.2	88.5	56	77.3	2.6	1	9.5	3.99	45.7	71	58.1	201	133	29
2060	Corvallis, OR	NB3437-UNL2010	6	23.2	39.3	35	71.0	4.4	2	11.4	4.59	41.5	103	53.5	109	179	20
2061	Sidney, MT	ROBUST	6	31.6	85.7	48	78.5	1.8	1	14.5	5.37	37.4	212	68.7	248	242	44
2062	Sidney, MT	LACEY	6	32.7	87.4	47	77.7	1.9	1	14.9	5.29	37.2	227	91.0	123	230	45
2063	Sidney, MT	TRADITION	6	32.9	89.7	51	77.9	2.2	1	14.2	4.94	35.1	238	85.9	194	221	38
2064	Sidney, MT	STELLAR-ND	6	33.1	91.9	50	78.0	2.2	1	14.1	5.68	40.8	251	96.4	119	263	49
2065	Sidney, MT	QUEST	6	31.9	83.8	48	77.9	1.9	1	15.1	5.52	38.2	200	90.5	347	250	41
2066	Sidney, MT	ND29106	6	30.8	85.1	55	76.5	1.8	1	16.1	5.71	35.9	248	103.7	159	257	36
2067	Sidney, MT	ND29134	6	33.2	87.1	53	78.3	2.0	1	14.5	5.51	38.7	252	97.6	307	261	45
2068	Sidney, MT	ND29144	6	33.1	94.6	52	77.9	2.2	1	14.9	5.93	42.4	245	102.2	166	283	46
2069	Sidney, MT	ND29151	6	31.4	86.2	47	79.3	2.4	1	12.3	5.21	42.6	165	102.3	137	259	65
2070	Sidney, MT	ND29157	6	31.7	89	42	77.6	2.4	1	14.5	5.69	40.7	217	89.6	288	270	37
2071	Sidney, MT	ND29159	6	32.0	91.9	43	77.6	2.6	1	15.0	5.63	40.0	189	85.1	295	254	37
2072	Sidney, MT	ND29160	6	33.1	92.3	47	77.5	2.5	1	14.4	5.49	38.3	187	86.2	319	250	38
2073	Sidney, MT	ND29162	6	30.8	83.7	46	76.8	2.6	1	14.9	5.52	38.0	205	85.3	339	230	37
2074	Sidney, MT	ND29166	6	32.4	88.3	42	76.8	2.5	1	14.2	5.12	36.4	197	85.3	312	206	34
2075	Sidney, MT	ND29174	6	32.4	87.1	45	78.7	2.3	1	14.1	6.01	44.6	203	99.3	165	254	46
2076	Sidney, MT	ND29177	6	32.4	89.9	48	79.8	2.3	1	14.3	5.85	43.8	196	99.3	214	246	49
2077	Sidney, MT	ND29185	6	32.2	89.1	49	78.1	2.4	1	14.3	5.48	38.9	219	86.1	219	226	42
2078	Sidney, MT	ND29188	6	30.5	76.3	42	77.2	2.3	1	14.4	5.45	40.3	204	91.2	178	232	35
2079	Sidney, MT	ND29191	6	31.9	89.2	48	78.8	2.3	1	14.7	5.78	41.2	204	91.9	226	240	40
2080	Sidney, MT	ND29192	6	32.2	88.2	46	76.9	2.1	1	14.4	5.30	37.4	218	87.4	317	208	38
2081		LACEY MALT CHECK		33.0	89.1	58	79.8	2.3	1	13.1	5.40	42.1	139	65.5	128	222	63
2082	Sidney, MT	ND29193	6	31.4	88.7	50	77.4	2.2	1	14.2	5.71	40.5	229	90.7	258	246	33
2082	Sidney, MT	ND29196	6	30.4	83.1	46	77.2	2.2	1	14.3	5.67	39.9	237	97.9	217	230	37
2083	Sidney, MT	ND29197	6	31.3	87.6	51	77.5	2.5	1	14.7	6.03	42.6	243	96.9	176	258	35
2085	Sidney, MT	ND29210	6	31.0	87	53	78.0	2.0	1	15.4	5.72	39.0	242	92.9	142	232	40
2086	Sidney, MT	ND29260	6	30.5	89.2	49	77.4	1.9	1	14.6	5.26	37.5	252	87.5	214	211	37
2087	Sidney, MT	ND29262	6	31.6	89.8	52	77.4	1.8	1	15.2	5.50	36.8	261	91.3	195	217	37
2088	Sidney, MT	ND29287	6	30.6	85.3	52	77.2	1.9	1	15.0	5.38	37.5	204	87.3	217	216	37
2089	Sidney, MT	ND29288	6	31.2	87.2	52	77.5	2.1	1	15.1	5.55	37.4	207	93.2	221	220	37
2090	Sidney, MT	ND29297	6	31.8	89.2	46	77.8	2.4	1	15.0	5.46	38.6	218	88.9	140	216	44
2091	Sidney, MT	ND29312	6	32.3	88.2	51	78.4	2.0	1	14.7	5.51	39.5	214	89.4	150	237	48
2092	Sidney, MT	ND29343	6	32.5	90.7	46	78.1	2.1	1	14.6	5.56	39.3	234	82.6	216	222	42
2093	Sidney, MT	ND29345	6	29.5	86.7	43	78.7	2.3	1	14.4	5.76	40.1	189	93.7	186	237	38
2094	Sidney, MT	ND29380	6	30.2	78.5	42	80.8	2.3	1	12.8	5.28	44.3	142	96.0	135	233	63
2095	Sidney, MT	ND29439	6	30.9	83.3	49	79.1	2.1	1	14.4	5.63	41.5	203	92.8	150	243	50
2096	Sidney, MT	ND29508	6	31.5	86.2	42	78.2	2.2	1	14.2	5.24	38.1	187	80.3	240	211	41
2097	Sidney, MT	ND29543	6	32.4	88.3	40	78.1	2.0	1	13.8	5.26	38.2	201	79.8	236	212	47
2098	Sidney, MT	ND29572	6	30.8	86.9	44	78.0	1.9	1	14.9	5.68	39.0	232	88.3	304	221	41
2099	Sidney, MT	ND29581	6	31.1	86.5	51	77.2	2.0	1	15.3	5.49	36.3	245	83.1	352	222	37
2100	Sidney, MT	ND29592	6	32.7	84.5	50	79.3	1.9	1	14.2	5.63	41.2	203	90.2	176	231	48
2101	Sidney, MT	ND29595	6	29.9	79.8	39	77.6	1.9	1	14.2	5.54	39.3	227	89.3	268	236	33
2102	Sidney, MT	ND29632	6	30.8	89.2	47	78.0	2.2	1	14.5	5.96	42.9	188	100.4	191	243	42
2103	Sidney, MT	ND29692	6	29.5	84.6	49	78.7	2.0	1	13.7	5.36	39.5	181	83.3	191	223	47
2104	Wooster, OH	OR76	6	28.8	76.7	38	77.0	3.3	2	13.6	5.57	41.7	104	67.1	320	229	30
2105	Wooster, OH	OR77	6	31.2	84.7	47	76.6	2.2	1	12.1	4.45	37.7	106	56.8	769	160	28
2106	Wooster, OH	OR813	6	28.3	77.4	42	78.0	3.2	2	14.1	5.71	42.0	103	69.1	231	237	30
2107	Wooster, OH	OR815	6	31.0	84.2	44	78.9	2.0	1	13.1	4.85	38.6	108	63.9	546	193	41

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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	Wooster, OH	OR816	6	27.8	75.5	43	79.4	2.6	1	12.1	4.64	40.1	123	67.7	396	190	36
2109	Wooster, OH	OR818	6	23.6	62.3	34	78.7	3.4	1	11.7	5.59	48.7	111	98.1	195	250	38
2110		LACEY MALT CHECK		33.5	90.6	55	79.8	2.4	1	12.8	5.21	42.8	150	70.1	120	220	66
2111	Wooster, OH	Maja	6	24.1	55	43	80.0	3.7	2	11.9	4.98	42.4	134	71.2	92	218	52
2112	Wooster, OH	OR91	6	23.2	61.8	39	80.6	3.8	1	11.7	5.60	48.8	113	93.8	132	252	44
2113	Wooster, OH	OR92	6	23.6	65.6	37	80.6	3.8	1	11.8	5.58	50.8	114	94.9	156	249	44
2114	Wooster, OH	OR97	6	23.6	64.6	35	80.2	4.4	1	11.5	5.66	50.9	107	96.3	128	265	39
2115	Wooster, OH	OR98	6	24.0	68.1	37	80.2	3.7	1	11.9	5.61	49.7	104	89.8	162	254	44
2116	Wooster, OH	OR910	6	24.3	68.8	36	80.6	4.3	1	12.1	5.77	50.6	113	95.9	137	262	40
2117	Wooster, OH	OR915	6	26.8	73.3	45	79.8	3.6	2	12.6	4.85	41.3	101	71.4	236	205	39
2118	Wooster, OH	OR101	6	26.8	79.1	47	78.7	3.0	1	12.8	4.96	40.7	134	66.8	257	193	39
2119	Wooster, OH	OR102	6	31.7	79.6	39	76.5	3.2	1	12.9	4.75	38.0	105	59.3	448	186	26
2120	Wooster, OH	OR103	6	32.8	89.8	49	79.6	2.7	1	11.7	4.43	38.7	95	57.0	711	172	39
2121	Wooster, OH	OR104	6	27.2	81.8	45	79.7	n.d.	3	12.0	4.78	40.2	115	62.4	255	192	35
2122	Wooster, OH	OR105	6	28.3	85	42	78.9	n.d.	3	11.8	4.74	40.8	95	61.9	263	192	34
2123	Wooster, OH	OR106	6	27.6	78.7	41	78.3	n.d.	3	12.0	4.53	39.3	103	58.4	384	172	27
2124	Wooster, OH	OR107	6	30.7	85.7	36	78.3	3.0	2	12.4	4.52	37.2	98	58.4	350	172	34
2125	Wooster, OH	OR108	6	30.4	77.4	49	78.2	2.2	1	11.4	4.30	37.9	109	59.6	541	158	25
2126	Wooster, OH	OR109	6	27.7	80.3	46	79.7	3.2	2	12.0	4.99	43.1	107	66.4	257	212	46
2127	Wooster, OH	OR110	6	28.8	79.4	49	77.3	2.8	1	11.9	4.43	39.8	112	54.6	488	152	24
2128	Wooster, OH	OR111	6	34.7	90.6	46	77.9	2.1	1	12.1	4.62	39.4	104	54.8	762	172	33
2129	Wooster, OH	OR112	6	29.1	80.3	42	79.3	n.d.	3	11.6	4.79	42.2	95	68.1	230	199	42
2130	Wooster, OH	OR113	6	26.9	78.7	45	79.5	n.d.	3	11.7	4.77	40.9	104	68.1	179	191	33
2131	Wooster, OH	OR114	6	29.1	82.6	42	79.3	n.d.	3	11.3	4.55	41.2	80	57.4	269	180	29
2132	Wooster, OH	Strider	6	28.8	66.5	36	77.2	n.d.	3	12.6	4.58	37.1	53	52.3	339	163	19
2133	Wooster, OH	Eight-Twelve	6	28.4	67.8	33	77.1	n.d.	3	12.1	5.07	41.9	130	56.0	348	215	31
2134	Wooster, OH	Maja-drill	6	24.8	60	44	78.2	3.3	2	12.6	5.05	40.4	152	78.6	92	219	44
2135	Wooster, OH	OR76-drill	6	28.6	70.2	39	77.3	3.8	2	14.3	5.41	40.3	103	76.6	193	225	22
2136	Wooster, OH	OR818-drill	6	25.0	72.1	37	80.0	4.3	2	12.1	5.78	49.6	109	101.4	135	266	39
2137	Wooster, OH	Charles-drill	2	31.9	86.8	39	81.0	2.6	1	13.5	5.68	43.9	160	106.2	217	253	47
2138	Wooster, OH	Charles-OBELT	2	30.6	85.8	38	81.5	2.8	1	12.6	5.68	47.4	148	110.0	185	256	47
2139		LACEY MALT CHECK		33.1	88.8	55	79.9	2.5	2	13.1	5.16	40.6	147	70.1	119	221	60
2140	Wooster, OH	Endevour	2	30.3	76.8	38	80.4	2.4	1	12.6	5.42	44.3	158	107.8	204	232	50
2141	Wooster, OH	Halcyon	2	32.6	78.7	49	78.3	2.0	1	12.8	4.50	36.0	116	52.5	493	166	34
2142	Wooster, OH	Pipkin	2	31.9	79.1	41	78.3	2.9	2	12.3	4.05	34.7	100	62.8	452	142	29
2143	Wooster, OH	NT074	2	29.0	60.3	31	76.4	6.7	2	14.1	7.34	52.6	106	77.5	55	309	24
2144	Wooster, OH	NT140	2	34.2	75.3	31	78.3	n.d.	3	12.7	4.60	38.3	142	89.7	207	174	35
2145	Wooster, OH	MO B2126	2	34.1	83.3	54	73.2	2.5	2	15.2	4.17	27.5	110	37.5	926	133	8
2146	Wooster, OH	MO B2169	2	42.2	89.7	43	70.7	2.2	1	16.9	5.26	31.7	149	58.2	596	188	34
2147	Wooster, OH	MO B2171	2	35.1	91.4	41	74.7	2.0	1	15.6	5.21	33.6	159	61.6	546	200	33
2148	Wooster, OH	MO B2186	2	39.8	86.5	37	75.3	2.4	2	14.3	4.46	31.5	114	49.3	635	147	21
2149	Wooster, OH	MO B2247	2	36.7	89.3	43	77.1	2.7	2	14.8	4.74	33.7	135	51.8	462	176	25
2150	Wooster, OH	MO B2549	2	37.7	75.7	46	72.4	1.8	1	18.0	5.81	33.2	187	60.9	404	205	24
2151	Wooster, OH	MO B2566	2	41.5	90.2	47	74.1	n.d.	3	15.2	5.17	34.7	136	51.1	501	178	30
2152	Ray, ND	ROBUST	6	32.9	99.2	33	78.1	2.3	1	16.0	6.80	43.1	261	87.1	104	299	47
2153	Ray, ND	LACEY	6	33.7	99.2	32	77.3	2.5	1	16.8	6.89	42.3	272	103.8	71	286	43
2154	Ray, ND	TRADITION	6	32.6	99.1	33	78.1	2.5	1	15.8	6.41	41.1	270	96.5	100	274	42
2155	Ray, ND	STELLAR-ND	6	33.6	98.7	34	78.3	3.2	1	15.3	6.77	46.0	238	102.1	57	276	50
2156	Ray, ND	QUEST	6	32.9	99.3	30	77.9	2.5	1	16.8	6.88	43.3	244	106.7	157	293	43

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2157	Ray, ND	ND26804	6	33.1	99.2	31	77.8	2.8	1	15.1	6.47	44.8	220	98.7	59	291	47
2158	Ray, ND	ND26902	6	33.7	99.7	28	78.4	2.1	1	16.0	6.59	41.2	272	101.5	73	254	45
2159	Ray, ND	ND26891	6	34.0	99.2	31	78.1	2.7	1	16.1	7.34	46.0	264	103.8	77	277	47
2160	Ray, ND	ND26925	6	33.3	99.4	29	78.1	2.3	1	16.9	7.10	43.2	292	97.3	62	263	47
2161	Ray, ND	ND28289	6	33.9	99.3	34	77.8	2.5	1	15.8	6.73	43.6	250	90.8	85	264	47
2162	Ray, ND	ND28303	6	32.6	99.6	30	77.2	2.3	1	16.4	6.54	41.3	265	90.8	79	253	38
2163	Ray, ND	ND28539	6	33.0	99.3	29	78.0	2.7	1	15.1	6.80	45.4	202	91.1	107	262	47
2164	Ray, ND	ND28554	6	34.7	99.7	29	77.1	2.5	1	16.2	7.10	44.3	245	91.3	96	266	43
2165	Ray, ND	ND28555	6	31.7	98.3	29	77.1	2.7	1	15.2	6.63	44.2	227	100.7	58	264	42
2166	Ray, ND	ND28628	6	31.4	98.6	26	77.7	3.1	1	15.5	7.01	46.1	216	111.3	47	284	46
2167	Ray, ND	ND28629	6	31.7	99	26	76.1	2.4	1	16.1	6.57	41.8	213	100.6	52	265	37
2168		LACEY MALT CHECK		33.3	88.9	55	79.7	2.5	2	13.1	5.28	43.3	131	64.2	101	204	66
2169	Ray, ND	ND28691	6	32.6	99	28	76.5	3.0	1	16.5	7.06	44.2	247	111.5	62	286	43
2170	Ray, ND	ND28885	6	31.9	98.6	31	78.0	2.3	1	16.2	6.51	41.5	241	102.7	55	255	41
2171	Ray, ND	ND28887	6	31.4	98.9	32	77.1	2.5	1	16.0	6.76	43.4	245	97.8	70	264	42
2172	Ray, ND	ND28993	6	32.6	98.5	32	78.5	2.5	1	14.6	6.61	46.4	200	93.7	68	256	50
2173	Sidney, MT	ROBUST	6	33.3	90.2	42	77.8	2.0	1	15.0	5.53	38.4	200	69.0	313	218	42
2174	Sidney, MT	LACEY	6	32.5	92	43	77.8	2.1	1	14.4	5.29	37.4	189	82.4	128	203	45
2175	Sidney, MT	TRADITION	6	33.3	89.3	46	78.0	2.4	1	14.4	5.34	38.0	214	83.9	207	209	42
2176	Sidney, MT	STELLAR-ND	6	32.6	87.6	45	77.3	2.3	1	15.0	5.80	39.6	251	92.6	139	234	37
2177	Sidney, MT	QUEST	6	32.3	88.8	49	77.2	1.9	1	15.0	5.41	37.4	189	85.0	320	210	38
2178	Sidney, MT	ND26804	6	31.5	86.1	43	77.0	2.6	1	14.2	5.76	42.3	166	89.8	117	240	45
2179	Sidney, MT	ND26902	6	33.8	90.3	43	78.2	3.1	2	14.3	5.68	41.3	177	82.8	202	221	44
2180	Sidney, MT	ND26891	6	34.1	89.2	43	77.9	2.8	2	14.7	5.78	40.1	195	81.3	151	214	40
2181	Sidney, MT	ND26925	6	34.1	92.5	41	77.5	2.5	2	14.6	5.50	38.1	226	83.4	155	209	40
2182	Sidney, MT	ND28289	6	33.4	87	49	77.2	2.4	1	14.7	5.48	37.6	252	87.9	209	219	38
2183	Sidney, MT	ND28303	6	32.3	91.2	47	77.1	2.7	2	15.2	5.30	36.7	261	79.9	157	205	40
2184	Sidney, MT	ND28539	6	30.9	90.1	42	78.3	2.5	1	14.0	5.50	41.9	176	86.1	199	216	44
2185	Sidney, MT	ND28554	6	34.8	93.2	42	77.7	2.2	1	14.6	5.84	41.4	197	86.9	241	229	34
2186	Sidney, MT	ND28555	6	35.1	93.5	46	77.9	2.1	1	14.8	5.85	42.1	204	87.4	202	227	43
2187	Sidney, MT	ND28628	6	31.6	90.5	42	76.6	2.5	1	13.7	5.73	43.3	177	97.8	113	244	50
2188	Sidney, MT	ND28629	6	32.1	91.8	39	75.7	2.5	1	14.1	5.41	39.7	169	90.2	99	221	45
2189	Sidney, MT	ND28691	6	30.3	85.1	42	77.7	2.2	1	13.8	5.35	41.2	176	94.8	152	217	49
2190	Sidney, MT	ND28885	6	30.8	84.3	44	77.3	2.3	1	15.2	5.49	36.6	201	88.0	109	226	44
2191	Sidney, MT	ND28887	6	31.4	85	47	77.2	2.3	1	14.3	5.72	41.2	204	94.2	149	239	36
2192	Sidney, MT	ND28993	6	31.7	89.9	45	77.1	2.5	1	13.7	5.84	43.0	192	90.3	144	223	46
2193	Minot, ND	ROBUST	6	32.6	99.1	39	78.2	2.2	1	14.9	6.31	42.9	214	77.0	168	247	43
2194	Minot, ND	LACEY	6	34.1	99.3	40	78.4	2.2	1	14.8	5.96	40.7	211	91.4	127	258	44
2195	Minot, ND	TRADITION	6	31.8	99.3	43	78.5	2.0	1	14.5	5.68	39.7	247	95.3	183	223	44
2196	Minot, ND	STELLAR-ND	6	34.0	99.6	44	78.6	2.6	1	15.2	6.70	46.4	243	101.9	159	298	46
2197		LACEY MALT CHECK		32.7	89	56	79.9	2.5	2	12.8	5.34	45.2	133	65.8	122	221	62
2198	Minot, ND	QUEST	6	33.2	99.4	41	78.1	2.2	1	14.9	6.03	41.7	196	94.4	315	261	35
2199	Minot, ND	ND26804	6	32.8	99.5	39	78.1	2.7	1	14.5	6.10	44.2	188	96.6	95	259	47
2200	Minot, ND	ND26902	6	33.8	99.5	37	77.9	2.3	1	14.9	6.12	43.6	207	91.5	178	256	40
2201	Minot, ND	ND26891	6	33.3	99.6	37	78.2	2.4	1	14.8	6.23	42.4	204	91.1	143	252	46
2202	Minot, ND	ND26925	6	32.5	98.3	38	78.1	2.4	1	15.8	6.38	41.7	233	88.0	125	250	38
2203	Minot, ND	ND28289	6	34.1	98.1	40	77.6	2.5	1	15.4	6.21	41.3	230	90.8	165	255	34
2204	Minot, ND	ND28303	6	32.3	98.9	38	77.6	2.6	1	16.0	6.01	39.8	256	84.3	128	235	34
2205	Minot, ND	ND28539	6	32.5	99.7	32	78.9	2.5	1	14.2	5.95	43.8	192	94.0	179	212	46

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2206	Minot, ND	ND28554	6	35.1	99.6	41	77.8	2.3	1	15.3	6.15	41.6	212	87.7	255	235	35
2207	Minot, ND	ND28555	6	36.0	99.5	41	77.9	2.2	1	15.6	6.33	43.5	212	87.6	228	255	40
2208	Minot, ND	ND28628	6	31.7	99.4	32	77.3	2.8	1	15.1	6.42	44.2	188	103.0	139	272	38
2209	Minot, ND	ND28629	6	32.1	99.5	36	76.8	2.5	1	14.6	6.14	43.4	184	95.9	84	255	43
2210	Minot, ND	ND28691	6	31.3	99	35	77.1	2.7	1	15.0	5.94	40.3	180	107.8	129	237	36
2211	Minot, ND	ND28885	6	32.2	99.4	40	77.3	2.5	1	16.2	6.05	38.5	211	98.8	119	242	38
2212	Minot, ND	ND28887	6	31.9	99.6	37	77.5	2.6	1	15.2	6.19	41.7	202	99.7	127	262	33
2213	Minot, ND	ND28993	6	32.7	99.7	44	78.2	2.8	1	14.8	6.45	46.0	190	94.4	124	253	46
2214	Aberdeen, ID	2Ab10-X08MTC13-40	2	45.7	98.2	67	80.1	1.7	1	13.0	4.70	37.3	160	62.2	288	170	45
2215	Aberdeen, ID	2Ab10-X08MTC14-4	2	44.4	97.8	67	79.8	2.4	1	14.2	5.62	40.6	135	85.1	164	227	46
2216	Aberdeen, ID	2Ab10-X08M238-9	2	40.9	98.2	68	81.0	1.8	1	12.0	4.72	42.6	104	98.3	216	186	57
2217	Aberdeen, ID	2Ab10-X08M238-13	2	41.3	95.6	66	81.9	1.6	1	13.4	5.31	42.7	181	102.4	207	215	57
2218	Aberdeen, ID	2Ab10-X08M238-22	2	41.8	97.7	63	82.0	2.2	1	12.7	5.75	46.4	217	114.7	181	236	58
2219	Aberdeen, ID	2Ab10-X08MTC9-8	2	40.5	97.8	67	81.8	2.1	1	13.2	5.87	45.5	146	103.6	199	256	53
2220	Aberdeen, ID	2Ab10-X08MTC9-12	2	39.5	95.6	68	81.2	1.8	1	12.3	5.03	42.1	151	101.8	79	216	67
2221	Aberdeen, ID	2Ab10-X08MTC9-15	2	41.3	95.4	65	81.8	2.1	1	13.1	6.03	48.9	121	103.2	290	283	45
2222	Aberdeen, ID	2Ab10-X08M269-8	2	40.3	96.1	73	80.5	1.7	1	12.7	5.05	40.9	163	92.6	102	200	62
2223	Aberdeen, ID	2Ab10-X08M269-12	2	43.0	98.2	69	81.0	1.9	1	13.2	5.46	43.2	172	99.8	63	232	62
2224	Aberdeen, ID	2Ab10-X08M269-13	2	39.8	97.2	74	80.5	2.0	1	13.3	5.60	42.8	167	97.8	172	235	52
2225	Aberdeen, ID	2Ab10-X08M247-17	2	44.5	97.4	66	81.8	2.1	1	13.6	5.80	43.5	184	110.3	270	257	49
2226		HARRINGTON MALT CHECK		40.0	97.2	77	82.3	1.7	1	11.6	5.06	46.7	125	101.6	120	223	63
2227	Aberdeen, ID	2Ab10-X08MTC18-8	2	42.0	97.7	65	81.1	2.0	1	12.9	5.46	43.2	119	87.7	125	227	63
2228	Aberdeen, ID	2Ab10-X08MTC18-10	2	42.3	98.5	73	81.0	2.2	1	11.4	4.76	43.6	117	89.7	111	187	58
2229	Aberdeen, ID	2Ab10-X08MTC18-14	2	41.7	98.5	62	80.6	1.7	1	13.0	4.96	40.4	120	82.1	175	219	59
2230	Aberdeen, ID	2Ab10-X08M253-4	2	43.6	95.2	70	79.4	1.5	1	13.2	4.73	38.0	129	71.1	592	201	50
2231	Aberdeen, ID	2Ab10-X08M253-15	2	50.0	99.2	71	80.7	2.6	1	13.2	5.66	43.7	118	95.0	393	252	48
2232	Aberdeen, ID	Harrington	2	40.1	96.2	70	80.5	1.7	1	13.9	5.25	40.4	145	83.5	238	198	49
2233	Aberdeen, ID	ACMetcalfe	2	43.6	98.2	68	80.7	2.3	1	14.2	5.81	43.9	158	102.4	70	252	53
2234	Aberdeen, ID	Merit	2	40.8	95.6	68	81.1	2.1	1	12.7	5.41	44.7	174	107.1	143	226	65
2235	Aberdeen, ID	2Ab11-X08M611-31	6	38.5	99.1	65	80.2	1.7	1	12.6	4.72	39.6	150	67.6	104	187	53
2236	Aberdeen, ID	2Ab11-X08M604-27	6	39.4	97.6	82	80.6	1.7	1	11.2	4.03	39.3	137	68.3	80	142	45
2237	Aberdeen, ID	2Ab11-X08M606-39	6	39.3	97	69	81.7	1.9	1	10.5	4.21	43.8	131	69.1	144	169	46
2238	Aberdeen, ID	2Ab11-X08M614-33	6	36.7	97.6	68	79.5	1.8	1	10.9	4.45	43.3	146	71.4	133	181	49
2239	Aberdeen, ID	2Ab11-X08M613-17	6	40.5	99.2	68	81.5	2.0	1	11.4	5.44	49.4	127	88.3	129	220	53
2240	Aberdeen, ID	2Ab11-X08M613-18	6	43.6	98.9	75	81.3	2.0	1	10.7	4.80	46.7	138	78.1	126	201	54
2241	Aberdeen, ID	2Ab11-X08M613-21	6	41.8	97.2	65	82.4	2.0	1	9.7	4.44	49.5	138	70.1	210	167	38
2242	Aberdeen, ID	2Ab11-X08M601-1	6	37.4	8.5	75	79.1	2.2	1	13.4	5.20	41.2	202	68.2	276	196	56
2243	Aberdeen, ID	2Ab11-X08M601-7	6	34.5	96.9	68	78.5	2.2	1	12.7	5.04	40.5	179	75.5	157	210	54
2244	Aberdeen, ID	2Ab11-X08M601-8	6	35.9	97.2	68	79.9	n.d.	3	10.9	4.21	40.6	164	64.1	209	173	39
2245	Aberdeen, ID	2Ab11-X08M601-36	6	36.6	97.8	69	80.4	2.3	2	11.3	4.44	42.1	141	69.7	230	157	45
2246	Aberdeen, ID	2Ab11-X08M602-14	6	39.8	99.2	61	81.5	1.9	1	9.5	4.17	46.2	103	66.6	169	166	42
2247	Aberdeen, ID	2Ab11-X08M602-40	6	39.8	99.1	67	79.5	1.8	1	12.2	4.95	42.3	173	71.8	149	180	57
2248	Aberdeen, ID	2Ab11-X08M616-1	6	37.2	94.5	65	81.1	2.1	1	10.8	5.09	49.1	117	87.2	148	223	45
2249	Aberdeen, ID	2Ab11-X08M616-16	6	36.2	93.7	69	79.4	1.9	1	10.0	3.95	42.3	99	62.5	348	151	39
2250	Aberdeen, ID	2Ab11-X08M616-28	6	37.7	97.1	66	81.1	1.8	1	10.0	3.94	42.8	104	61.6	184	141	39
2251	Aberdeen, ID	2Ab11-X08M607-3	6	36.0	88.8	74	82.0	2.2	1	10.0	5.00	54.2	95	77.6	242	205	42
2252	Aberdeen, ID	2Ab11-X08M607-31	6	35.1	96.5	74	81.0	1.9	1	10.7	4.42	42.1	127	70.4	208	154	43
2253	Aberdeen, ID	2Ab11-X08M605-10	6	39.0	96.2	72	82.4	1.9	1	10.4	4.68	45.2	138	81.3	153	205	51
2254	Aberdeen, ID	2Ab11-X08M605-37	6	37.2	98	70	80.8	1.8	1	10.5	4.43	43.8	134	72.2	167	194	49

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2255		LACEY MALT CHECK		33.0	88.9	54	79.6	2.0	1	13.2	5.33	42.7	151	74.2	82	217	70
2256	Aberdeen, ID	2Ab11-X08M603-28	6	38.4	97.9	68	82.2	2.5	2	9.9	4.29	45.1	127	74.1	61	180	49
2257	Aberdeen, ID	2Ab11-X08M618-8	6	36.2	96.7	68	82.1	1.8	1	9.4	3.92	45.3	96	69.0	177	157	39
2258	Aberdeen, ID	2Ab11-X08M618-25	6	41.1	99	71	81.6	1.8	1	12.5	5.67	46.9	152	98.7	58	243	70
2259	Aberdeen, ID	2Ab11-X08M618-27	6	36.9	97.2	63	80.7	2.0	1	10.7	4.23	42.0	141	57.0	148	165	44
2260	Aberdeen, ID	2Ab11-X08M609-1	6	36.8	98.9	67	79.8	n.d.	3	10.2	4.12	40.3	139	59.2	196	161	36
2261	Aberdeen, ID	2Ab11-X08M617-14	6	37.9	95.9	76	81.8	2.4	2	9.4	4.13	45.3	106	73.7	155	168	41
2262	Aberdeen, ID	2Ab11-X08M617-25	6	35.7	92.2	62	80.5	1.9	1	10.4	4.24	42.6	127	74.1	89	168	50
2263	Aberdeen, ID	Legacy	6	35.5	96.3	78	80.5	1.8	1	11.2	5.07	48.5	151	88.3	174	216	49
2264	Aberdeen, ID	Tradition	6	37.1	98.4	72	79.9	2.4	2	12.0	4.47	40.0	168	69.8	141	180	48
2265	Corvallis, OR	SHRT-11 8	6	26.2	73.5	33	78.7	3.0	1	12.6	5.75	46.8	191	109.6	65	283	56
2266	Corvallis, OR	SHRT-11 9	6	27.1	65.4	36	78.8	2.4	1	11.4	5.30	46.9	181	109.4	98	268	52
2267	Corvallis, OR	SHRT-11 11	6	27.4	74.5	35	78.9	2.9	1	11.6	5.40	48.9	198	112.1	55	262	55
2268	Corvallis, OR	SHRT-11 12	6	29.0	73.4	38	80.8	2.5	1	10.4	5.03	50.0	173	93.5	75	244	51
2269	Corvallis, OR	SHRT-11 13	6	29.4	75.6	38	80.8	2.8	1	10.3	4.94	49.1	159	95.1	71	236	51
2270	Corvallis, OR	SHRT-11 14	6	30.5	74.6	39	80.9	2.7	1	10.6	5.09	50.1	172	91.5	72	250	53
2271	Corvallis, OR	SHRT-11 15	6	29.1	75.2	39	81.3	2.6	1	10.8	5.12	50.6	169	94.0	60	252	51
2272	Corvallis, OR	SHRT-11 16	6	27.3	73.6	37	79.9	2.7	1	10.3	4.97	52.7	142	98.4	64	240	49
2273	Corvallis, OR	SHRT-11 17	2	31.9	90.8	41	81.1	2.2	1	10.0	4.81	48.8	112	90.2	187	217	45
2274	Corvallis, OR	SHRT-11 18	6	24.5	46.5	53	79.1	2.2	1	10.0	4.42	48.5	133	73.3	64	211	40
2275	Corvallis, OR	Breun 2	2	45.5	97.6	32	81.1	2.2	1	11.1	4.52	44.7	167	54.5	85	192	70
2276	Corvallis, OR	Breun 3	2	39.6	91.5	38	80.4	2.5	1	10.5	4.10	40.9	134	57.7	49	172	50
2277	Corvallis, OR	Breun 11	6	33.9	92.4	39	80.6	2.3	1	9.4	4.10	45.9	107	55.5	131	177	42
2278	Corvallis, OR	Breun 13	6	34.0	96.1	44	82.5	2.2	1	8.1	3.83	48.1	102	57.9	56	168	41
2279	Corvallis, OR	Breun 14	6	38.3	97.9	39	83.4	2.3	1	7.9	3.73	49.6	94	55.5	53	161	41
2280	Corvallis, OR	Breun 15	6	37.1	95.5	38	82.4	2.4	1	8.9	4.15	47.4	123	54.7	53	175	45
2281	Corvallis, OR	AMBA DS 1	6	39.4	95.7	48	79.1	1.9	1	11.1	4.42	40.2	112	63.0	408	174	34
2282	Corvallis, OR	AMBA DS 2	6	29.5	85.2	44	79.5	2.1	1	10.7	5.04	49.0	137	81.4	215	229	43
2283	Corvallis, OR	AMBA DS 3	6	26.1	59.9	51	79.1	2.0	1	9.6	4.46	47.8	136	68.4	74	204	40
2284		LACEY MALT CHECK		33.1	89.7	57	79.8	2.3	1	12.8	5.21	41.9	149	67.8	81	209	65
2285	Corvallis, OR	AMBA DS 4	6	27.2	64.3	49	77.8	2.2	1	10.3	4.40	44.0	114	68.3	181	193	26
2286	Corvallis, OR	AMBA DS 5	2	30.2	90.5	39	80.0	2.2	1	11.1	5.38	51.5	132	91.3	176	238	50
2287	Corvallis, OR	DEMO DS 101	6	31.9	84.2	52	78.4	2.2	1	8.8	3.49	43.3	69	45.2	495	124	32
2288	Corvallis, OR	DEMO DS 102	6	28.4	65.4	40	81.9	1.7	1	9.5	3.50	38.2	77	44.5	302	126	23
2289	Corvallis, OR	DEMO DS 103	6	31.6	68.2	35	84.5	1.6	1	11.4	3.87	36.1	91	42.3	540	140	25
2290	Corvallis, OR	DEMO DS 104	6	31.2	56.2	18	83.0	1.5	1	12.7	4.48	35.9	117	54.9	533	170	33
2291	Corvallis, OR	OBELT-11 1	6	36.6	95.7	44	80.4	2.1	1	9.9	4.19	45.0	96	66.1	287	174	39
2292	Corvallis, OR	OBELT-11 2	6	39.1	95.6	59	80.5	1.7	1	8.9	3.47	41.7	79	48.4	538	123	31
2293	Corvallis, OR	OBELT-11 3	6	38.0	95.1	45	80.7	1.8	1	10.8	4.55	44.6	107	68.7	316	185	39
2294	Corvallis, OR	OBELT-11 4	6	35.0	88.1	59	80.6	1.7	1	10.3	4.37	44.2	94	62.3	347	168	39
2295	Corvallis, OR	OBELT-11 5	6	32.3	85.5	57	81.2	2.1	1	9.5	4.17	45.9	104	57.7	271	174	39
2296	Corvallis, OR	OBELT-11 6	6	33.6	94.2	38	81.1	1.9	1	10.4	4.81	48.3	126	97.3	204	222	46
2297	Corvallis, OR	OBELT-11 7	6	29.6	82.8	48	80.0	1.8	1	10.3	4.58	46.4	137	75.2	102	217	52
2298	Corvallis, OR	OBELT-11 8	6	32.8	95.7	39	81.0	2.0	1	10.3	4.71	49.8	114	89.3	213	220	39
2299	Corvallis, OR	OBELT-11 9	6	32.9	94.4	39	81.2	2.0	1	9.8	4.75	49.4	111	91.0	227	220	39
2300	Corvallis, OR	OBELT-11 10	6	31.5	92.4	38	81.3	2.3	1	9.6	4.64	51.9	114	89.1	169	205	41
2301	Corvallis, OR	OBELT-11 11	6	34.4	96.2	36	81.2	2.1	1	9.9	4.72	52.6	130	96.6	208	223	43
2302	Corvallis, OR	OBELT-11 12	6	32.7	93.6	39	80.7	2.2	1	10.5	4.90	47.0	146	100.9	230	233	54
2303	Corvallis, OR	OBELT-11 13	6	31.2	85.1	46	79.3	2.3	1	9.9	4.22	43.9	116	76.0	272	189	38

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2304	Corvallis, OR	OBELT-11 14	6	33.5	92.9	50	81.5	2.9	2	9.5	4.28	48.4	122	64.9	175	174	37
2305	Corvallis, OR	OBELT-11 15	6	37.1	91.5	50	78.0	2.4	2	9.5	3.74	41.2	81	54.6	596	143	27
2306	Corvallis, OR	OBELT-11 16	6	36.0	92.3	39	79.2	2.2	1	10.6	4.15	42.5	98	65.6	423	164	39
2307	Corvallis, OR	OBELT-11 17	6	34.2	93.9	46	81.0	2.0	1	9.7	4.16	46.9	107	69.8	191	172	39
2308	Corvallis, OR	OBELT-11 18	6	34.8	92.8	44	80.3	2.2	1	9.7	3.88	41.8	90	67.3	215	154	34
2309	Corvallis, OR	OBELT-11 19	6	35.8	96.4	43	79.6	2.6	2	9.6	3.88	42.4	106	62.1	360	159	38
2310	Corvallis, OR	OBELT-11 20	6	36.4	94.4	39	81.2	2.2	1	8.7	3.71	43.7	85	71.0	156	154	42
2311	Corvallis, OR	OBELT-11 21	6	36.1	90.4	55	80.9	2.1	1	8.9	3.60	41.6	88	60.1	291	135	34
2312	Corvallis, OR	OBELT-11 22	6	29.8	85.4	46	80.6	2.4	1	10.0	4.54	45.7	100	79.5	139	190	39
2313		LACEY MALT CHECK		33.8	88.8	59	79.5	2.8	2	12.9	5.17	43.3	132	73.7	103	204	62
2314	Corvallis, OR	OBELT-11 23	6	31.1	81.7	54	79.5	2.5	1	8.4	3.60	45.0	87	58.5	257	132	38
2315	Corvallis, OR	OBELT-11 24	6	37.2	91.5	52	79.8	2.1	1	8.8	3.89	46.7	72	56.0	542	156	39
2316	Corvallis, OR	OBELT-11 25	6	33.8	90.8	44	80.6	2.2	1	9.0	3.95	47.1	78	70.3	230	168	34
2317	Corvallis, OR	OBELT-11 26	6	31.0	87.7	50	80.2	2.2	1	9.3	3.90	45.2	86	66.8	229	159	38
2318	Corvallis, OR	OBELT-11 27	6	33.7	94	42	80.5	2.2	1	9.2	4.16	47.2	87	67.8	356	177	34
2319	Corvallis, OR	OBELT-11 30	2	35.4	93.5	41	81.8	2.1	1	10.7	5.16	51.2	113	95.1	299	224	45
2320	Ray, ND	CONLON	2	38.0	99.8	35	78.7	2.4	1	15.7	6.03	40.7	157	103.9	405	228	37
2321	Ray, ND	PINNACLE	2	36.7	99.5	30	79.5	3.0	1	14.5	6.44	44.8	169	110.2	157	248	38
2322	Ray, ND	LACEY	6	33.1	99.5	30	77.7	2.7	1	17.2	7.33	43.2	240	91.6	113	275	43
2323	Ray, ND	TRADITION	6	31.1	98.4	33	78.5	2.2	1	15.6	6.17	40.2	245	90.6	138	235	40
2324	Ray, ND	STELLAR-ND	6	33.0	99.4	32	78.3	2.9	1	16.0	6.91	44.6	261	96.5	93	274	50
2325	Ray, ND	2ND27732	2	36.7	99.7	28	80.5	4.0	1	16.7	8.60	51.6	197	129.1	97	333	40
2326	Ray, ND	2ND28046	2	39.4	99.8	39	83.5	2.2	1	15.4	6.59	43.7	151	93.0	174	247	43
2327	Ray, ND	2ND28065	2	35.9	99	32	79.8	2.5	1	15.1	6.58	43.7	170	96.2	146	250	41
2328	Ray, ND	2ND28086	2	38.0	99.5	31	80.8	4.1	1	13.8	7.48	56.4	122	104.5	80	314	42
2329	Ray, ND	2ND28131	2	38.3	99.7	28	79.9	2.4	1	14.6	6.47	44.8	153	116.5	181	259	40
2330	Ray, ND	2ND28133	2	38.6	99.4	32	79.5	2.4	1	14.5	6.24	44.3	190	111.2	196	250	40
2331	Sidney, MT	CONLON	2	41.0	95.6	47	77.8	1.8	1	15.2	4.84	33.3	153	83.1	500	171	32
2332	Sidney, MT	PINNACLE	2	37.2	86.4	37	78.5	2.2	1	12.9	4.92	38.8	142	82.4	199	183	43
2333	Sidney, MT	LACEY	6	32.0	89.1	42	78.2	2.2	1	14.6	5.41	39.1	187	86.6	175	204	45
2334	Sidney, MT	TRADITION	6	32.5	83.8	42	77.5	2.6	1	14.7	5.37	37.7	225	88.1	262	209	38
2335	Sidney, MT	STELLAR-ND	6	32.9	89.8	46	78.2	2.4	1	14.7	5.98	41.6	246	96.5	157	241	41
2336	Sidney, MT	2ND27732	2	38.9	90.1	48	79.4	2.5	1	15.1	6.40	43.7	152	99.9	198	239	37
2337	Sidney, MT	2ND28046	2	43.2	93.9	52	80.8	1.6	1	15.1	5.62	37.8	160	78.5	211	203	41
2338	Sidney, MT	2ND28065	2	37.9	87.4	44	78.7	1.7	1	14.2	5.32	39.0	147	80.3	236	199	35
2339	Sidney, MT	2ND28086	2	41.5	90.1	44	80.7	2.4	1	13.4	5.47	42.4	133	91.5	191	215	54
2340	Sidney, MT	2ND28131	2	41.3	90.6	45	81.4	1.9	1	12.7	5.02	40.9	131	97.9	279	198	62
2341	Sidney, MT	2ND28133	2	40.8	88.9	46	79.7	1.9	1	13.5	4.90	38.2	165	90.5	342	195	47
2342		HARRINGTON MALT CHECK		40.4	97	76	82.3	1.5	1	12.1	4.88	41.3	129	93.5	192	199	57
2343	Langdon, ND	ROBUST	6	32.7	93.7	35	79.2	1.9	1	14.2	6.30	45.2	221	76.6	273	258	46
2344	Langdon, ND	LACEY	6	33.4	95.6	38	80.4	2.1	1	13.8	6.26	46.7	203	87.0	207	253	51
2345	Langdon, ND	TRADITION	6	32.6	93.1	40	79.7	2.0	1	13.7	5.75	43.0	226	89.5	228	229	54
2346	Langdon, ND	STELLAR-ND	6	34.0	95.9	41	80.6	2.4	1	13.5	6.42	49.1	202	92.0	213	275	46
2347	Langdon, ND	RASMUSSEN	6	33.8	93.8	37	80.7	2.4	1	13.4	6.24	49.9	201	92.0	202	268	51
2348	Langdon, ND	CELEBRATION	6	29.9	93.1	39	79.7	2.1	1	14.8	6.56	45.8	238	108.5	243	270	43
2349	Langdon, ND	QUEST	6	30.8	88.2	40	79.6	1.9	1	13.7	5.99	47.0	181	92.1	349	243	53
2350	Langdon, ND	INNOVATION	6	31.9	92.4	39	80.6	2.4	1	13.2	6.41	48.7	209	102.6	248	271	50
2351	Langdon, ND	ND22421	6	35.5	96.7	38	79.7	3.2	1	13.8	6.73	51.6	162	103.5	175	280	46
2352	Langdon, ND	ND23898	6	31.0	93.5	39	79.5	2.2	1	14.4	6.24	44.5	209	94.6	111	262	52

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2353	Langdon, ND	ND25160	6	32.7	95	31	81.0	2.5	1	11.7	5.63	52.1	150	91.8	188	226	58
2354	Langdon, ND	ND25652	6	32.6	93	45	81.0	2.4	1	12.8	6.14	51.1	197	96.6	129	267	54
2355	Langdon, ND	ND26036	6	30.7	95.3	40	79.8	2.3	1	13.3	6.14	47.9	175	90.9	177	243	50
2356	Langdon, ND	ND26249	6	30.9	94.1	28	80.0	2.7	1	12.2	6.16	53.0	146	93.4	204	256	50
2357	Langdon, ND	ND26891	6	34.1	95	33	80.1	2.9	1	14.0	6.68	50.5	176	87.7	189	268	46
2358	Langdon, ND	ND27177	6	34.0	95.5	45	80.4	2.4	1	13.8	6.32	48.4	190	93.0	173	267	46
2359	Langdon, ND	ND27245	6	32.8	96.4	41	80.2	2.2	1	13.9	6.15	47.0	205	88.0	151	237	49
2360	Langdon, ND	CONLON	2	38.7	96.3	42	80.5	2.0	1	13.0	5.31	42.4	139	88.3	325	205	57
2361	Langdon, ND	RAWSON	2	42.7	95.5	37	81.4	2.7	1	12.8	6.30	51.4	121	103.3	227	276	51
2362	Langdon, ND	PINNACLE	2	39.7	94.9	36	80.8	2.2	1	12.3	5.30	45.1	169	113.8	196	199	57
2363	Langdon, ND	AC METCALFE	2	32.5	88.5	39	80.0	2.6	1	14.9	6.37	44.5	133	83.1	155	258	36
2364	Langdon, ND	HAXBY	2	35.9	91.6	34	79.3	2.4	1	13.8	4.86	36.9	69	79.2	245	164	25
2365	Langdon, ND	CDC COPELAND	2	33.9	88.3	42	80.6	2.4	1	13.3	6.06	46.3	143	90.8	152	239	41
2366	Langdon, ND	CONRAD	2	34.0	91.6	34	80.1	2.6	1	14.1	6.13	46.0	169	107.2	145	250	41
2367	Langdon, ND	2ND24388	2	39.2	95.5	39	81.4	2.5	1	12.5	5.54	45.9	150	86.3	200	214	60
2368	Langdon, ND	2ND25272	2	38.9	96.6	36	81.1	2.2	1	11.5	5.22	45.6	124	92.7	209	186	58
2369	Langdon, ND	2ND25276	2	39.9	97.3	36	82.2	2.5	1	11.7	5.75	50.6	123	103.1	140	227	54
2370	Langdon, ND	2ND26333	2	37.7	94.5	38	80.7	2.6	1	13.1	6.22	47.7	153	112.2	109	235	41
2371		HARRINGTON MALT CHECK		39.5	96.4	75	82.2	1.5	1	11.9	4.84	43.6	120	88.6	86	188	62
2372	Langdon, ND	2ND27421	2	39.5	93.8	38	80.3	2.6	1	13.2	5.78	44.1	200	93.8	162	219	48
2373	Langdon, ND	2ND27440	2	38.4	94.6	38	80.8	2.2	1	13.0	5.84	45.4	133	87.4	168	224	53
2374	Langdon, ND	LILLY	2	36.2	88.7	33	81.8	2.4	1	12.5	5.89	48.2	111	104.5	55	233	51
2375	Langdon, ND	04/506/42/8	2	33.2	90.2	28	80.7	2.6	1	14.6	5.61	40.6	148	103.1	111	204	44
2376	Langdon, ND	04/566/70/8	2	33.6	86.8	27	81.0	3.2	1	13.0	5.67	45.4	154	92.7	56	230	54
2377	Langdon, ND	2B03-3719	2	36.1	93.8	36	80.6	3.0	1	13.9	6.95	51.2	193	124.4	129	295	36
2378	Langdon, ND	MORAVIAN 133	2	32.8	81.4	37	79.5	2.7	1	13.5	6.07	46.2	161	110.5	64	253	40
2379	Langdon, ND	C04-78-17	2	36.8	93.1	31	81.2	3.2	1	14.8	6.92	47.9	154	123.4	129	284	39
2380	Filer, ID	2Ab11-X08M611-31	6	37.9	97.8	80	79.8	2.2	2	13.2	4.86	37.2	149	66.8	143	177	51
2381	Filer, ID	2Ab11-X08M604-27	6	36.3	92.3	92	81.2	n.d.	3	10.1	4.06	41.9	112	67.2	76	147	39
2382	Filer, ID	2Ab11-X08M606-39	6	38.7	97.1	85	82.1	2.7	2	10.7	4.80	47.1	106	64.9	130	186	36
2383	Filer, ID	2Ab11-X08M614-33	6	35.6	95.8	88	79.5	2.0	1	10.8	4.40	40.8	140	64.9	136	163	41
2384	Filer, ID	2Ab11-X08M613-17	6	39.2	97.7	86	81.6	1.8	1	10.8	5.05	48.8	117	78.2	113	194	47
2385	Filer, ID	2Ab11-X08M613-18	6	39.0	95.8	89	81.2	1.5	1	10.2	4.36	44.2	130	68.7	113	154	50
2386	Filer, ID	2Ab11-X08M613-21	6	40.5	96.5	82	81.4	1.8	1	10.2	4.53	45.8	144	63.6	193	177	46
2387	Filer, ID	2Ab11-X08M601-1	6	35.7	94.8	95	80.0	n.d.	3	11.0	4.47	42.7	182	56.8	120	159	51
2388	Filer, ID	2Ab11-X08M601-7	6	34.8	96.6	83	79.3	n.d.	3	13.3	4.74	36.5	226	73.7	135	185	47
2389	Filer, ID	2Ab11-X08M601-8	6	34.4	94.4	92	81.0	n.d.	3	10.3	4.38	43.4	165	66.8	113	171	51
2390	Filer, ID	2Ab11-X08M601-36	6	35.8	95.4	87	80.6	n.d.	3	12.3	4.55	38.7	175	58.4	151	171	47
2391	Filer, ID	2Ab11-X08M602-14	6	40.2	98.4	86	81.8	1.6	1	9.6	3.81	41.3	106	63.2	139	144	37
2392	Filer, ID	2Ab11-X08M602-40	6	37.0	96.5	87	79.8	1.9	2	12.0	4.62	39.6	172	67.3	192	170	45
2393	Filer, ID	2Ab11-X08M616-1	6	36.8	95.6	90	81.7	1.9	1	10.2	4.66	48.4	94	80.5	88	194	44
2394	Filer, ID	2Ab11-X08M616-16	6	37.4	95.7	88	79.6	1.9	1	11.3	4.45	39.7	95	63.6	336	168	34
2395	Filer, ID	2Ab11-X08M616-28	6	34.8	88.5	82	80.5	1.7	1	10.7	3.93	37.2	110	56.3	204	136	34
2396	Filer, ID	2Ab11-X08M607-3	6	33.1	80.9	89	82.3	1.9	1	9.3	4.68	52.5	131	65.5	209	188	38
2397	Filer, ID	2Ab11-X08M607-31	6	35.1	93.5	88	81.3	n.d.	3	10.2	4.26	42.1	93	75.6	174	154	37
2398	Filer, ID	2Ab11-X08M605-10	6	40.1	97.1	87	82.1	2.2	1	11.2	4.77	44.0	144	86.3	233	199	49
2399	Filer, ID	2Ab11-X08M605-37	6	35.3	94.5	92	82.0	2.4	1	9.5	4.57	52.5	100	71.4	101	188	41
2400		LACEY MALT CHECK		33.5	88.1	54	79.7	2.1	1	12.7	5.17	42.4	147	71.9	104	201	66
2401	Filer, ID	2Ab11-X08M603-28	6	38.5	96.8	86	83.1	n.d.	3	9.2	4.46	48.8	117	75.4	107	176	39

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2402	Filer, ID	2Ab11-X08M618-8	6	35.3	93.7	82	81.9	1.9	1	9.7	3.90	42.1	106	64.5	199	148	39
2403	Filer, ID	2Ab11-X08M618-25	6	38.5	97.4	88	81.5	1.8	1	11.9	5.33	47.4	126	89.2	77	218	62
2404	Filer, ID	2Ab11-X08M618-27	6	36.8	95.9	80	81.1	2.4	2	10.9	4.74	44.2	125	56.8	196	180	42
2405	Filer, ID	2Ab11-X08M609-1	6	37.5	97.3	80	80.3	2.4	2	11.8	4.45	40.7	153	59.8	262	170	45
2406	Filer, ID	2Ab11-X08M617-14	6	37.9	94.2	84	81.7	n.d.	3	10.2	4.66	46.6	106	72.8	291	185	37
2407	Filer, ID	2Ab11-X08M617-25	6	36.4	90.2	84	81.1	1.6	1	10.9	4.63	43.7	130	73.8	137	174	46
2408	Filer, ID	Legacy	6	33.4	90.5	91	80.3	1.8	1	10.6	4.67	45.6	144	80.8	298	182	46
2409	Filer, ID	Tradition	6	36.5	97	89	80.1	2.5	2	12.1	4.57	39.2	181	69.0	163	180	48
2410	Aberdeen, ID	6Ab10-X07M856-3	6	37.2	97.4	69	80.2	1.5	1	10.5	4.21	41.0	151	70.5	177	162	41
2411	Aberdeen, ID	6Ab10-X07M855-18	6	35.0	96.5	67	80.3	1.9	1	10.8	4.70	46.1	132	87.1	94	197	53
2412	Aberdeen, ID	6Ab10-X07M856-35	6	37.0	97.4	71	80.5	1.9	2	11.7	4.40	40.4	159	63.7	254	169	45
2413	Aberdeen, ID	Morex A	6	34.8	94.1	62	79.4	1.4	1	12.3	4.61	37.9	175	69.9	224	189	46
2414	Aberdeen, ID	6Ab10-X07M818-1	6	40.0	96.2	68	80.6	2.7	2	10.5	4.38	44.8	94	53.0	705	170	38
2415	Aberdeen, ID	6Ab10-X07M818-5	6	40.0	93.3	67	80.3	1.5	1	10.4	4.21	42.1	114	53.5	441	155	39
2416	Aberdeen, ID	6Ab10-X07M818-6	6	38.2	94.6	68	81.0	2.6	2	9.2	3.93	45.8	93	53.5	510	148	38
2417	Aberdeen, ID	6Ab10-X07M818-15	6	37.5	95.3	70	82.0	1.7	1	9.0	4.23	50.7	95	60.4	203	154	34
2418	Aberdeen, ID	6Ab10-X07M733-29	6	42.0	99.6	63	82.3	2.0	1	10.2	4.94	52.3	139	77.5	68	227	53
2419	Aberdeen, ID	6Ab10-X07M733-33	6	42.4	99.1	69	81.1	2.1	1	11.5	5.44	48.0	119	69.8	71	213	58
2420	Aberdeen, ID	6Ab10-X07M733-49	6	37.5	99.7	60	81.3	2.3	2	10.8	4.86	47.6	110	62.3	191	186	36
2421	Aberdeen, ID	6Ab10-X07M733-50	6	40.6	98.8	60	81.4	1.7	1	11.2	4.91	47.3	163	74.1	116	199	54
2422	Aberdeen, ID	6Ab10-X07M730-3	6	37.4	97.8	62	82.3	1.9	1	10.3	4.64	48.7	95	82.1	239	201	39
2423	Aberdeen, ID	6Ab10-X07M730-24	6	35.3	96	66	81.8	2.4	2	9.9	4.12	43.6	107	69.7	142	166	41
2424	Aberdeen, ID	6Ab10-X07M730-45	6	38.6	95.6	68	81.9	2.8	2	9.5	4.07	46.0	94	63.8	311	160	38
2425	Aberdeen, ID	6Ab10-X07M723-27	6	39.8	98.2	66	81.8	1.8	1	10.1	3.96	41.4	128	59.2	238	148	38
2426	Aberdeen, ID	6Ab10-X07M723-38	6	37.5	99.1	66	81.7	1.6	1	10.6	4.46	42.9	174	73.3	148	180	49
2427	Aberdeen, ID	6Ab10-X07M643-3	6	31.6	75.1	61	82.2	1.6	1	11.4	4.48	40.2	75	71.0	123	200	37
2428	Aberdeen, ID	6Ab10-X07M643-6	6	36.4	97.4	68	77.8	1.8	1	9.7	4.20	44.9	137	82.4	961	162	37
2429		LACEY MALT CHECK		34.0	91.5	55	79.6	2.2	1	13.1	5.08	39.5	148	74.1	107	209	61
2430	Aberdeen, ID	6Ab10-X07M643-8	6	38.7	97.4	69	81.7	1.6	1	10.9	4.58	44.7	138	80.6	244	199	46
2431	Aberdeen, ID	6Ab10-X07M695-15	6	39.8	96.9	63	83.1	n.d.	3	8.5	4.26	52.9	96	67.6	142	173	35
2432	Aberdeen, ID	6Ab10-X07M695-21	6	41.0	96.9	58	82.3	n.d.	3	9.9	4.53	48.8	108	59.6	307	186	32
2433	Aberdeen, ID	6Ab10-X07M695-41	6	44.0	97.9	67	81.5	2.2	1	10.0	4.73	48.3	118	65.6	282	199	37
2434	Aberdeen, ID	6Ab10-X07M695-49	6	42.2	98.8	67	81.6	2.0	1	12.4	5.94	49.1	183	76.9	140	254	57
2435	Aberdeen, ID	6Ab10-X07M673-6	6	38.7	97.6	66	82.0	1.7	1	9.7	4.30	46.9	119	68.4	367	177	39
2436	Aberdeen, ID	6Ab10-X07M673-9	6	40.1	98.1	80	81.4	1.8	1	11.5	4.64	43.2	151	84.1	176	191	49
2437	Aberdeen, ID	6Ab10-X07M673-28	6	39.2	97.9	71	79.8	2.1	1	11.9	4.67	41.1	146	64.0	249	188	46
2438	Aberdeen, ID	6Ab10-X07M673-34	6	38.9	98.4	62	82.5	1.8	1	10.1	4.56	45.5	122	78.0	266	198	46
2439	Aberdeen, ID	6Ab10-X07M621-18	6	38.5	98	69	81.0	1.6	1	10.9	4.43	44.7	120	72.4	124	182	42
2440	Aberdeen, ID	6Ab10-X07M621-20	6	37.8	98.9	72	79.8	1.6	1	11.8	4.80	41.1	147	69.3	134	189	52
2441	Aberdeen, ID	6Ab10-X07M621-47	6	37.3	98.1	67	82.3	1.8	1	9.3	4.25	48.5	96	61.4	151	173	37
2442	Aberdeen, ID	6Ab10-X07M614-13	6	43.5	99.4	71	82.6	2.1	1	11.1	5.13	47.3	123	81.3	104	220	53
2443	Aberdeen, ID	6Ab10-X07M614-22	6	37.9	97.7	76	82.1	2.0	1	9.8	5.14	53.7	112	93.3	109	234	49
2444	Aberdeen, ID	6Ab10-X07M776-19	6	37.8	88.9	67	80.0	1.5	1	10.4	3.73	38.3	86	49.9	432	133	31
2445	Aberdeen, ID	6Ab10-X07M776-38	6	36.5	92.5	73	80.2	1.5	1	9.7	3.66	39.8	115	56.4	267	127	34
2446	Aberdeen, ID	6Ab10-X07M775-11	6	36.2	98.4	67	80.3	1.4	1	11.2	4.38	39.9	135	71.8	240	174	38
2447	Filer, ID	6Ab10-X07M775-12	6	37.2	96.2	72	82.0	1.5	1	8.9	3.76	43.9	82	60.4	258	142	39
2448	Filer, ID	Morex B	6	36.0	95.9	66	80.0	1.4	1	12.2	4.59	38.8	158	62.6	191	184	46
2449	Filer, ID	6Ab10-X07M734-15	6	37.2	93.8	64	81.9	1.9	1	9.3	4.05	43.5	88	54.7	212	157	39
2450	Filer, ID	6Ab10-X07M734-32	6	38.1	97.2	60	81.9	1.7	1	10.0	4.24	42.8	108	69.1	211	169	39

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
2451	Filer, ID	6Ab10-X07M734-40	6	39.6	98.5	67	80.9	1.6	1	11.9	4.82	41.5	123	68.9	119	196	56
2452	Filer, ID	Morex C	6	37.4	97.5	68	79.8	1.6	1	12.7	4.66	38.7	164	69.1	311	198	49
2453	Filer, ID	Legacy	6	36.2	97.7	75	80.9	1.7	1	12.3	5.33	46.7	161	88.9	393	228	63
2454	Filer, ID	Tradition	6	37.0	98.3	73	80.8	1.8	2	11.5	4.51	41.0	159	76.3	163	182	48
2455	Oregon locations	SS-1 BCD47	2	44.6	95.3	53	81.4	1.6	1	11.4	4.82	44.9	158	109.7	97	211	70
2456	Oregon locations	SS-2 Metc	2	42.2	95	61	83.1	1.8	1	10.9	5.00	46.7	125	98.1	53	219	65
2457	Oregon locations	SS-3 Metc	2	44.4	95.5	54	82.3	1.8	1	11.7	5.17	48.0	152	108.4	45	231	65
2458		LACEY MALT CHECK		33.2	89.5	59	79.9	2.3	1	12.7	5.37	43.9	155	73.0	100	209	70
2459	Oregon locations	ZC-1 Metc	2	41.2	94.3	49	82.7	2.0	1	10.7	5.23	49.7	139	113.7	49	222	59
2460	Oregon locations	ZC-2 M101	2	45.0	97.5	35	77.6	1.4	1	13.7	4.35	32.2	137	51.6	264	149	29
2461	Oregon locations	ZC-3 OR76	6	36.5	87.8	52	78.2	1.8	1	12.4	4.75	38.5	121	76.6	246	182	37
2462	Oregon locations	Maja LBFarm	6	30.8	81.8	59	78.4	2.3	1	9.9	3.94	41.1	124	61.2	172	159	34
2463	Corvallis, OR	WBINT 30	2	45.1	99.3	38	81.3	3.7	1	9.8	4.21	44.4	121	51.7	48	171	56
2464	Corvallis, OR	WBINT 31	2	43.3	96.9	30	80.7	3.7	1	12.3	4.84	42.7	173	54.1	97	200	67
2465	Corvallis, OR	WBINT 37	2	47.0	99.2	32	80.3	3.6	1	10.9	4.32	41.0	78	46.3	64	166	43
2466	Corvallis, OR	WBINT 39	2	47.7	98.6	39	81.9	2.3	1	9.6	3.97	42.2	119	50.9	56	152	50
2467	Corvallis, OR	WBINT 38	2	40.0	96.5	35	78.7	5.2	1	11.5	4.68	42.7	136	63.0	50	186	59
2468	Corvallis, OR	Karma	6	31.4	79.1	0	76.2	1.8	1	15.8	4.33	28.0	96	61.7	1157	138	16
2469	Corvallis, OR	2692/2024	2	39.3	92	29	77.2	3.7	1	12.0	4.32	37.2	99	55.3	111	152	32
2470	Hazelton, ID	Maja	6	29.8	72.2	67	79.0	n.d.	3	11.2	4.05	38.3	137	54.9	83	158	32
2471	Hazelton, ID	OR818	6	31.2	79.2	57	79.5	2.3	1	11.0	4.35	41.2	128	76.0	146	173	38
2472	Hazelton, ID	Charles	2	36.6	93.5	68	79.9	1.7	1	12.2	4.82	41.3	131	83.4	70	183	60
2473	Sidney, MT	ROBUST	6	33.5	89.3	45	77.8	1.8	1	13.7	5.19	38.2	193	65.7	275	194	41
2474	Sidney, MT	LACEY	6	33.4	91.1	42	78.0	2.1	1	14.1	5.10	36.7	182	81.5	107	198	43
2475	Sidney, MT	TRADITION	6	32.4	88.9	43	78.2	2.8	2	14.5	4.79	34.3	221	79.7	203	180	29
2476	Sidney, MT	STELLAR-ND	6	33.9	92.3	51	78.4	2.4	1	14.5	5.68	41.3	244	93.9	152	220	48
2477	Sidney, MT	RASMUSSEN	6	34.4	87.8	39	79.0	2.2	1	14.3	5.67	41.0	216	90.8	113	229	52
2478	Sidney, MT	CELEBRATION	6	31.5	89.3	46	78.6	1.8	1	15.3	5.47	37.3	220	104.1	125	211	47
2479	Sidney, MT	QUEST	6	31.8	87.2	46	77.9	1.8	1	14.3	5.03	35.7	179	84.5	288	189	32
2480	Sidney, MT	INNOVATION	6	32.0	87.2	42	78.4	2.0	1	14.6	5.32	37.2	199	90.5	220	213	45
2481	Sidney, MT	ND22421	6	34.9	91.1	43	77.4	2.2	1	14.9	5.75	39.6	209	92.9	107	216	41
2482	Sidney, MT	ND23898	6	30.3	85.3	43	77.5	2.0	1	14.4	5.00	36.1	190	84.1	97	190	35
2483	Sidney, MT	ND25160	6	32.0	89.6	38	79.9	2.9	1	12.0	4.70	40.8	142	90.4	150	172	49
2484	Sidney, MT	ND25652	6	31.5	85.9	49	77.8	2.0	1	13.3	5.08	38.9	202	82.5	148	209	50
2485	Sidney, MT	ND26036	6	30.4	87.3	41	77.0	2.2	1	14.2	5.00	36.1	188	82.2	155	179	31
2486	Sidney, MT	ND26249	6	31.7	90.9	39	78.4	2.4	1	13.0	5.54	45.4	149	89.3	158	225	62
2487		LACEY MALT CHECK		33.5	93.8	55	79.7	2.4	1	12.6	5.30	43.1	140	66.3	78	207	67
2488	Sidney, MT	ND26891	6	34.6	91.2	42	78.0	2.8	1	14.4	5.53	40.2	189	77.6	136	202	45
2489	Sidney, MT	ND27177	6	33.5	92	46	78.4	2.4	1	14.4	5.31	38.2	217	84.4	116	205	52
2490	Sidney, MT	ND27245	6	32.3	92.8	42	78.1	1.9	1	14.7	5.35	38.4	196	80.7	197	204	42
2491	Sidney, MT	CONLON	2	40.3	94.2	44	78.3	1.7	1	14.2	4.48	32.9	141	79.8	372	161	36
2492	Sidney, MT	RAWSON	2	44.0	89.9	45	81.5	2.1	1	13.4	5.89	46.8	121	98.9	147	252	55
2493	Sidney, MT	PINNACLE	2	36.7	85.9	39	79.4	2.0	1	12.5	4.46	38.0	137	71.8	175	157	40
2494	Sidney, MT	AC METCALFE	2	34.3	78.7	44	77.4	1.9	1	15.2	5.62	37.6	189	106.4	84	227	31
2495	Sidney, MT	HAXBY	2	38.2	88.5	36	77.1	n.d.	3	14.1	4.02	30.1	61	65.3	358	129	15
2496	Sidney, MT	CDC COPELAND	2	36.0	79.6	48	77.8	2.3	1	14.6	5.54	37.9	161	93.8	104	213	31
2497	Sidney, MT	CONRAD	2	36.3	87.3	46	77.8	2.2	1	15.0	5.70	45.3	194	114.9	125	231	35
2498	Sidney, MT	2ND24388	2	39.6	88.8	39	81.7	2.7	2	12.6	4.59	39.4	159	81.9	250	165	47
2499	Sidney, MT	2ND25272	2	41.1	92.8	44	79.6	1.6	1	11.9	4.14	36.8	128	82.1	352	142	45

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
2500	Sidney, MT	2ND25276	2	40.6	93.9	44	80.5	1.9	1	11.9	4.53	40.3	126	92.4	238	162	54
2501	Sidney, MT	2ND26333	2	38.4	87.4	45	79.4	1.8	1	14.2	5.25	37.8	158	114.3	121	203	43
2502	Sidney, MT	2ND27421	2	40.3	87.5	41	79.7	2.0	1	13.5	4.60	34.4	199	87.1	286	162	37
2503	Sidney, MT	2ND27440	2	39.9	87.6	43	79.5	1.9	1	13.9	4.49	32.5	126	73.0	280	150	35
2504	Sidney, MT	LILLY	2	36.8	89.4	38	78.7	2.5	1	14.5	5.51	38.6	110	97.9	45	201	39
2505	Sidney, MT	04/506/42/8	2	37.5	91	34	81.1	2.0	1	14.8	4.94	35.1	156	95.4	52	187	48
2506	Sidney, MT	04/566/70/8	2	35.6	88.5	36	79.6	2.8	1	14.5	5.56	39.0	184	101.2	53	233	45
2507	Sidney, MT	2B03-3719	2	39.7	94.5	39	78.7	2.0	1	14.8	6.07	42.4	214	127.2	177	250	37
2508	Sidney, MT	MORAVIAN 133	2	33.1	70.4	44	75.9	2.2	1	15.3	5.30	35.7	158	103.4	121	226	31
2509	Sidney, MT	C04-78-17	2	33.0	74.6	40	77.6	2.3	1	15.9	5.89	37.4	180	130.3	132	256	22
2510	Aberdeen, ID	OR85	6	30.4	55.9	38	78.7	2.1	1	14.6	3.60	25.6	110	46.5	593	114	17
2511	Aberdeen, ID	OR818	6	30.2	79.8	45	78.5	2.9	1	12.7	5.01	41.1	149	84.6	264	204	48
2512	Aberdeen, ID	Maja	6	29.2	69.9	59	77.3	3.0	2	13.4	4.33	34.0	188	61.8	138	170	30
2513	Aberdeen, ID	OR91	6	31.0	80.8	48	76.5	2.7	1	13.9	5.12	37.5	173	76.0	260	204	38
2514	Aberdeen, ID	OR92	6	31.5	85.1	50	77.1	2.7	1	13.8	5.10	37.5	178	82.6	282	202	38
2515	Aberdeen, ID	Charles	2	39.0	91.1	51	78.0	1.9	1	14.7	5.35	36.7	162	84.2	372	211	35
2516		LACEY MALT CHECK		33.3	91	55	79.4	2.6	1	12.9	5.20	41.8	147	76.3	115	201	61
2517	Rupert, ID	OR85	6	32.3	65.9	51	82.9	n.d.	3	11.1	3.48	32.7	89	42.4	655	108	24
2518	Rupert, ID	OR818	6	36.3	96.5	48	80.3	2.8	1	11.8	5.34	45.8	118	85.6	193	227	56
2519	Rupert, ID	Maja	6	35.9	96.7	65	79.7	n.d.	3	11.3	4.73	42.5	140	71.2	147	200	47
2520	Rupert, ID	OR91	6	34.0	94.2	50	79.4	3.3	2	11.5	5.47	48.0	107	80.7	207	249	45
2521	Rupert, ID	OR92	6	37.0	98.1	49	79.8	3.2	2	12.1	5.68	47.7	115	89.4	224	250	50
2522	Rupert, ID	Charles	2	37.1	90.9	62	79.8	1.9	1	12.6	5.37	43.7	131	80.3	434	217	55
2523	Aberdeen, ID	Tradition	6	36.3	97.2	67	80.0	2.3	2	12.7	4.96	40.3	176	80.2	280	200	53
2524	Aberdeen, ID	Legacy	6	34.6	95.7	69	80.9	1.9	1	11.1	5.40	48.9	155	100.3	285	229	53
2525	Aberdeen, ID	6Ab09-X06M260-34	6	37.7	94.7	62	81.9	1.8	1	9.9	4.69	50.2	111	80.5	463	198	37
2526	Aberdeen, ID	6Ab09-X06M258-34	6	36.7	96.8	60	82.2	2.2	1	10.0	5.02	53.5	74	88.4	326	221	42
2527	Aberdeen, ID	6Ab09-X06M246-30	6	37.0	96.8	65	81.1	1.8	1	10.8	4.99	48.6	119	85.8	228	216	42
2528	Aberdeen, ID	6Ab09-X06M215-3	6	36.7	98.3	57	81.8	1.8	1	10.4	4.68	48.4	138	85.3	200	187	38
2529	Aberdeen, ID	6Ab09-X06M215-23	6	36.1	98.3	59	80.5	2.0	1	11.1	4.88	45.4	156	79.5	216	198	52
2530	Aberdeen, ID	6Ab09-X06M215-29	6	38.6	97.7	56	79.8	2.2	1	11.2	4.56	42.1	156	72.1	377	182	46
2531	Aberdeen, ID	6Ab09-X06M152-27	6	35.9	93.3	65	82.5	1.9	1	9.4	4.65	52.8	108	91.4	187	206	39
2532	Aberdeen, ID	6Ab09-X06M131-30	6	36.0	96.7	66	82.5	2.0	1	10.0	4.99	53.1	82	85.9	169	218	45
2533	Aberdeen, ID	6Ab09-X06M128-52	6	34.7	92.7	65	83.5	2.1	1	8.5	4.72	58.5	73	95.2	161	208	42
2534	Aberdeen, ID	6Ab09-X06M111-47	6	38.4	97.1	56	82.5	1.6	1	10.1	4.40	46.7	101	67.2	385	171	39
2535	Aberdeen, ID	6Ab09-X06M080-34	6	42.2	97.8	62	83.3	2.0	1	9.7	5.14	53.9	109	84.9	145	220	45
2536	Aberdeen, ID	LACEY MALT CHECK		32.8	89.5	55	79.7	2.4	1	12.7	5.59	46.8	130	74.9	97	229	67
2537	Aberdeen, ID	6Ab09-X06M079-2	6	38.4	95.1	64	81.9	1.9	1	9.8	4.84	51.4	106	81.6	309	199	40
2538	Aberdeen, ID	6Ab09-X06M079-44	6	37.9	97.6	63	81.4	1.8	1	11.2	5.17	48.7	123	88.1	362	214	46
2539	Aberdeen, ID	6Ab09-X05M060-41	6	39.5	97.1	64	82.2	1.7	1	10.3	4.73	47.0	116	78.0	143	189	37
2540	Aberdeen, ID	6Ab09-X05M087-49	6	34.6	94.1	66	79.4	2.1	2	11.8	4.49	40.2	154	73.0	128	186	48
2541	Aberdeen, ID	6Ab09-X05M090-9	6	37.1	95.6	62	80.4	1.4	1	11.2	4.52	40.4	132	70.1	563	173	38
2542	Aberdeen, ID	6Ab09-X05M121-55	6	38.0	97	58	82.8	2.6	2	10.2	4.48	47.9	122	76.3	268	193	40
2543	Aberdeen, ID	6Ab09-X06M231-1	6	37.4	92.5	61	82.1	1.8	1	9.7	4.50	46.8	125	79.2	407	188	43
2544	Aberdeen, ID	6Ab09-X06M231-13	6	37.9	95.1	58	82.8	2.0	1	10.1	4.98	50.5	118	90.7	240	225	42
2545		LACEY MALT CHECK		34.4	87.8	56	79.6	2.2	2	12.6	5.43	44.4	146	70.3	95	218	69
2546	Filer, ID	Tradition	6	36.9	97.6	92	80.9	n.d.	3	10.3	4.49	44.8	154	71.0	101	173	51
2547	Filer, ID	Legacy	6	34.6	93.9	91	81.3	1.7	1	9.4	4.77	56.0	131	82.3	140	197	44
2548	Filer, ID	6Ab09-X06M260-34	6	40.5	97	86	81.0	2.0	1	8.7	4.59	53.3	84	66.6	114	198	44

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2549	Filer, ID	6Ab09-X06M258-34	6	38.0	96.3	93	82.1	2.4	1	8.7	4.67	58.0	39	82.4	106	210	46
2550	Filer, ID	6Ab09-X06M246-30	6	39.2	96.7	92	80.7	1.8	1	9.5	4.81	51.2	99	77.8	111	211	49
2551	Filer, ID	6Ab09-X06M215-3	6	36.5	97.1	92	83.2	2.8	2	8.9	4.32	48.3	103	72.6	98	162	40
2552	Filer, ID	6Ab09-X06M215-23	6	36.7	97.4	86	80.2	n.d.	3	10.5	4.53	44.5	138	65.4	113	171	48
2553	Filer, ID	6Ab09-X06M215-29	6	42.2	98.8	88	82.6	2.1	1	8.6	4.21	52.5	71	67.8	67	174	41
2554	Filer, ID	6Ab09-X06M152-27	6	38.9	97.5	91	82.7	1.9	1	8.0	4.05	56.1	53	78.7	116	174	41
2555	Filer, ID	6Ab09-X06M131-30	6	37.7	98.2	90	81.7	2.5	2	8.9	4.37	51.2	45	75.4	124	199	39
2556	Filer, ID	6Ab09-X06M128-52	6	37.4	93.9	89	83.3	2.0	1	8.8	4.57	56.5	42	83.6	147	210	42
2557	Filer, ID	6Ab09-X06M111-47	6	39.4	97.3	88	82.6	1.8	1	8.3	3.78	48.4	58	56.9	396	140	34
2558	Filer, ID	6Ab09-X06M080-34	6	38.6	98.3	85	79.5	n.d.	3	10.3	4.06	42.1	140	58.9	273	152	44
2559	Filer, ID	6Ab09-X06M080-40	6	43.6	98.3	86	82.1	2.6	1	8.6	4.92	57.3	52	78.0	63	217	49
2560	Filer, ID	6Ab09-X06M079-2	6	39.5	95.6	89	81.7	2.1	1	9.0	4.43	52.0	71	69.5	193	186	34
2561	Filer, ID	6Ab09-X06M079-44	6	38.2	97.1	86	80.7	1.8	1	9.4	4.17	44.9	100	71.0	161	160	42
2562	Filer, ID	6Ab09-X05M060-41	6	40.5	98.1	89	81.2	2.1	1	9.3	4.32	46.9	96	62.1	74	170	46
2563	Filer, ID	6Ab09-X05M087-49	6	35.0	94.2	92	78.5	n.d.	3	10.2	4.17	42.2	114	61.5	110	163	41
2564	Filer, ID	6Ab09-X05M090-9	6	38.2	94.5	91	80.6	1.6	1	9.0	3.95	44.8	89	53.9	373	145	39
2565	Filer, ID	6Ab09-X05M121-55	6	40.1	97.7	88	81.3	n.d.	3	9.0	4.11	47.6	88	65.3	97	155	39
2566	Filer, ID	6Ab09-X06M231-1	6	41.3	96.8	90	81.4	2.0	1	8.6	4.05	49.1	83	72.3	103	162	41
2567	Filer, ID	6Ab09-X06M231-13	6	41.1	98.3	85	81.7	2.2	1	9.1	4.54	55.3	59	81.2	105	200	44
2568	Aberdeen, ID	Tradition	6	35.2	97.2	67	79.7	2.4	2	12.1	4.77	39.8	152	72.2	235	184	45
2569	Aberdeen, ID	Legacy	6	34.1	96.6	69	80.6	2.0	1	11.8	5.39	49.1	143	89.2	291	216	58
2570	Aberdeen, ID	6Ab09-X06M260-2	6	36.9	92.8	54	81.9	1.8	1	9.5	4.29	45.8	108	61.6	172	153	39
2571	Aberdeen, ID	6Ab09-X06M213-12	6	35.5	96.4	58	81.5	n.d.	3	10.6	4.51	46.1	110	76.3	200	185	37
2572	Aberdeen, ID	6Ab09-X06M213-53	6	36.8	97.7	65	81.1	n.d.	3	9.6	3.96	41.9	72	60.2	312	145	32
2573	Aberdeen, ID	6Ab09-X06M213-55	6	35.6	96.2	60	81.3	n.d.	3	9.9	4.26	44.7	76	70.4	247	162	37
2574	Aberdeen, ID	LACEY MALT CHECK	6	33.3	90	58	79.1	2.6	1	12.8	5.42	44.2	135	73.8	131	225	63
2575	Aberdeen, ID	6Ab09-X06M209-14	6	36.7	96.5	64	80.8	n.d.	3	10.7	4.26	41.4	129	67.0	326	174	36
2576	Aberdeen, ID	6Ab09-X06M197-9	6	36.3	95.2	61	81.8	2.1	1	9.9	4.48	47.4	105	83.5	305	198	37
2577	Aberdeen, ID	6Ab09-X06M150-1	6	38.9	96.2	68	81.6	2.0	1	9.9	4.43	45.5	124	65.6	262	170	43
2578	Aberdeen, ID	6Ab09-X06M122-48	6	37.9	97.5	64	81.4	2.3	1	9.3	4.46	50.1	76	82.3	265	203	39
2579	Aberdeen, ID	6Ab09-X06M087-55	6	34.1	95.5	64	79.9	1.6	1	10.3	4.22	41.1	122	60.4	184	166	38
2580	Aberdeen, ID	6Ab09-X06M080-44	6	36.7	96.9	65	79.8	1.5	1	11.6	4.61	40.4	135	72.9	202	187	43
2581	Aberdeen, ID	6Ab09-X05M086-25	6	36.9	93.8	64	81.3	1.8	1	10.8	4.63	45.7	116	79.2	370	205	44
2582	Aberdeen, ID	6Ab09-X05M098-16	6	35.3	95	63	79.1	1.4	1	12.0	4.51	38.8	149	66.5	219	171	46
2583	Aberdeen, ID	6Ab09-X05M120-15	6	35.7	96.1	63	81.6	n.d.	3	9.6	4.38	46.1	110	66.9	172	196	40
2584	Aberdeen, ID	6Ab09-X05M120-51	6	36.5	94.9	69	80.3	n.d.	3	9.5	4.23	45.1	108	63.4	207	181	37
2585	Aberdeen, ID	6Ab09-X05M121-12	6	35.5	93.4	60	81.3	n.d.	3	9.5	3.89	42.1	115	66.5	152	153	40
2586	Aberdeen, ID	6Ab09-X05M121-36	6	33.1	90.5	62	81.6	n.d.	3	9.6	3.86	43.7	110	64.1	260	148	37
2587	Aberdeen, ID	6Ab09-X05M135-19	6	39.2	94	61	80.5	1.4	1	11.2	4.20	39.4	119	61.3	298	139	34
2588	Aberdeen, ID	6Ab09-X06M092-48	6	34.1	92.6	64	80.4	1.4	1	11.0	4.19	41.1	129	66.3	386	149	38
2589	Aberdeen, ID	6Ab09-X06M099-27	6	33.1	94.8	58	81.1	1.6	1	11.2	4.69	43.7	133	69.0	265	196	46
2590	Aberdeen, ID	6Ab09-X06M116-31	6	34.3	93.8	68	79.0	1.7	1	10.9	4.18	40.7	131	66.6	254	156	35
2591	Aberdeen, ID	6Ab09-X06M167-5	6	35.5	96.7	63	80.3	1.3	1	10.8	4.10	39.7	125	59.5	287	164	38
2592	Aberdeen, ID	6Ab09-X06M167-20	6	35.0	96.2	64	81.0	1.7	1	10.6	4.31	40.7	134	66.8	175	186	38
2593	Aberdeen, ID	Tradition	6	36.2	97	92	79.1	n.d.	3	10.9	4.65	45.3	149	74.2	97	189	51
2594	Aberdeen, ID	Legacy	6	34.9	94.1	94	79.8	1.8	1	10.7	4.74	48.6	120	85.1	145	195	40
2595	Aberdeen, ID	6Ab09-X06M260-2	6	39.2	96.2	91	82.0	1.8	1	8.1	3.93	50.4	62	61.8	83	153	41
2596	Aberdeen, ID	6Ab09-X06M213-12	6	36.6	96.1	92	81.2	n.d.	3	9.1	4.18	50.0	75	71.5	128	175	35
2597	Aberdeen, ID	6Ab09-X06M213-53	6	38.7	97.4	90	81.1	n.d.	3	9.1	3.82	46.0	63	59.5	165	152	40

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2598	Aberdeen, ID	6Ab09-X06M213-55	6	37.8	96.8	88	80.8	n.d.	3	9.6	4.25	47.8	55	70.8	121	184	35
2599	Aberdeen, ID	6Ab09-X06M209-14	6	37.3	95.3	92	79.6	n.d.	3	10.2	4.16	43.4	94	62.6	151	163	40
2600	Aberdeen, ID	6Ab09-X06M197-9	6	37.1	97.9	92	81.2	2.7	1	9.2	4.80	53.2	53	77.0	153	204	45
2601	Aberdeen, ID	6Ab09-X06M150-1	6	41.0	95.8	93	82.2	2.5	1	9.0	4.29	49.7	64	60.8	93	183	41
2602	Aberdeen, ID	6Ab09-X06M122-48	6	39.5	97.1	93	80.3	n.d.	3	8.0	4.24	54.9	33	67.6	154	190	38
2603		LACEY MALT CHECK		33.6	90.5	58	78.9	2.5	1	12.5	5.41	43.8	115	63.0	105	216	60
2604	Aberdeen, ID	6Ab09-X06M087-55	6	35.2	94.6	95	80.5	1.8	1	9.9	4.16	46.2	105	53.6	68	162	46
2605	Aberdeen, ID	6Ab09-X06M080-44	6	38.3	95.8	93	80.4	2.0	1	9.7	4.51	48.5	94	67.5	162	183	37
2606	Aberdeen, ID	6Ab09-X05M086-25	6	38.4	96.1	94	80.8	2.3	1	9.4	4.80	54.4	61	72.5	266	219	39
2607	Aberdeen, ID	6Ab09-X05M098-16	6	36.9	94.6	91	79.8	2.1	1	10.4	4.45	46.5	119	63.3	125	173	42
2608	Aberdeen, ID	6Ab09-X05M120-15	6	35.4	93.4	91	81.2	n.d.	3	8.8	4.35	54.9	60	63.4	72	187	39
2609	Aberdeen, ID	6Ab09-X05M120-51	6	38.3	97.2	93	80.3	n.d.	3	8.5	4.22	50.4	64	59.9	151	169	35
2610	Aberdeen, ID	6Ab09-X05M121-12	6	38.9	94.5	90	80.6	n.d.	3	9.1	3.99	48.4	80	57.1	155	158	35
2611	Aberdeen, ID	6Ab09-X05M121-36	6	35.7	88.9	92	81.0	n.d.	3	8.9	4.04	47.8	76	57.6	146	161	35
2612	Aberdeen, ID	6Ab09-X05M135-19	6	40.1	94.1	88	81.0	1.6	1	9.4	4.26	48.8	90	59.9	207	160	34
2613	Aberdeen, ID	6Ab09-X06M092-48	6	36.7	90.5	87	79.5	1.5	1	10.1	3.97	40.7	102	54.5	167	140	37
2614	Aberdeen, ID	6Ab09-X06M099-27	6	33.9	88.3	97	80.3	1.6	1	10.1	4.44	44.7	114	55.0	165	180	42
2615	Aberdeen, ID	6Ab09-X06M116-31	6	32.6	72.4	94	77.2	2.2	2	10.5	4.27	41.5	108	58.6	124	150	21
2616	Aberdeen, ID	6Ab09-X06M167-5	6	36.4	92.5	92	79.7	1.9	1	9.3	3.87	44.8	85	49.4	186	142	36
2617	Aberdeen, ID	6Ab09-X06M167-20	6	36.6	94.4	98	80.9	n.d.	3	9.0	4.40	52.1	96	58.6	141	174	35
2618	Pullman, WA	OBADV11-13	6	37.4	91.2	59	74.8	n.d.	3	11.5	3.71	34.4	98	37.8	435	131	15
2619	Pullman, WA	OBADV11-28	6	36.4	94.3	63	74.7	n.d.	3	11.1	3.09	29.3	84	30.4	767	85	15
2620	Pullman, WA	OBADV11-6	6	36.1	93.1	63	73.8	n.d.	3	10.8	2.97	28.7	76	25.3	674	82	15
2621	Pullman, WA	OBADV11-1	6	38.3	92.9	59	75.2	n.d.	3	11.4	3.32	30.2	92	31.3	533	99	15
2622	Pullman, WA	OBADV11-17	6	32.6	90.3	66	76.2	n.d.	3	10.8	3.44	31.7	85	37.0	279	119	15
2623	Pullman, WA	Maja	6	32.0	86.2	64	79.5	2.4	2	10.3	4.05	41.4	135	61.0	78	177	43
2624	Pullman, WA	OBADV11-7	6	42.1	93.9	69	76.7	1.5	1	12.0	3.90	34.5	102	57.6	489	148	29
2625	Pullman, WA	NB3437-UNL2010	6	29.7	82.6	49	73.9	3.1	2	11.9	4.09	34.6	95	57.5	545	155	25
2626	Pullman, WA	OBADV11-19	6	39.7	95.6	73	77.7	1.6	1	10.5	3.47	33.8	89	50.6	465	122	24
2627	Pullman, WA	OBADV11-9	6	34.8	91.2	60	74.6	2.9	2	11.5	3.21	28.7	101	40.5	456	97	20
2628	Pullman, WA	OBADV11-11	6	31.9	76.3	66	74.0	2.1	1	11.6	3.81	34.9	114	50.4	389	141	26
2629	Pullman, WA	OBADV11-24	6	34.5	94.4	62	76.4	n.d.	3	10.1	3.33	33.8	101	43.2	264	114	19
2630	Pullman, WA	OBADV11-21	6	39.6	94.6	67	75.6	n.d.	3	10.8	3.19	29.9	76	35.3	422	96	15
2631	Pullman, WA	OBADV11-8	6	37.1	91.9	55	75.5	n.d.	3	10.8	3.12	29.6	81	30.9	540	88	15
2632		LACEY MALT CHECK		33.0	89.8	61	79.0	2.5	1	12.5	5.55	46.1	132	74.1	84	224	67
2633	Pullman, WA	OBADV11-23	6	31.5	89.2	54	74.6	3.0	2	11.5	3.58	32.4	105	45.9	291	126	19
2634	Pullman, WA	OBADV11-14	6	35.2	90.9	71	75.5	1.6	1	11.9	3.35	30.3	84	41.2	492	115	26
2635	Pullman, WA	OBADV11-5	6	38.1	90.8	75	75.0	2.4	2	11.1	3.37	30.7	93	43.7	355	109	20
2636	Pullman, WA	OBADV11-20	6	33.3	90.3	57	75.8	2.9	2	11.8	3.74	33.6	117	45.3	429	130	25
2637	Pullman, WA	OBADV11-22	6	37.0	90.4	58	73.0	n.d.	3	14.1	3.92	29.2	129	42.2	552	133	18
2638	Pullman, WA	OBADV11-31	6	28.5	80.3	67	73.0	n.d.	3	12.1	3.19	26.9	91	27.9	721	95	17
2639	Pullman, WA	OBADV11-2	6	33.6	91.1	70	76.2	1.6	1	11.3	3.44	32.5	88	42.9	485	116	21
2640	Pullman, WA	OBADV11-25	6	39.6	94.2	71	78.0	n.d.	3	10.3	3.26	31.9	85	39.6	335	99	19
2641	Pullman, WA	OBADV11-4	6	38.5	96.4	69	78.1	1.4	1	10.2	3.61	36.4	96	53.8	209	122	28
2642	Pullman, WA	OBADV11-29	6	35.7	87.7	60	75.2	n.d.	3	11.6	3.18	27.6	89	37.3	470	94	20
2643	Pullman, WA	OBADV11-30	6	35.7	89.3	68	72.1	2.7	2	11.7	3.25	28.0	94	36.3	461	98	21
2644	Pullman, WA	OBADV11-26	6	37.4	93	70	74.3	2.2	2	11.9	3.26	28.2	94	39.7	498	95	21
2645	Pullman, WA	OBADV11-18	6	40.4	95.5	66	73.9	n.d.	3	11.6	3.18	27.7	96	34.0	527	94	20
2646	Pullman, WA	OBADV11-32	6	37.5	93.5	68	72.7	2.1	2	12.8	3.21	25.4	122	35.7	848	98	25

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2647	Pullman, WA	OR76	6	34.2	89.9	70	75.7	n.d.	3	10.2	3.03	29.9	89	35.0	679	93	15
2648	Pullman, WA	OBADV11-3	6	35.4	91.5	61	75.4	1.6	1	11.1	3.30	30.6	106	42.2	509	105	21
2649	Pullman, WA	OBADV11-12	6	35.1	87.8	55	73.8	1.7	1	12.3	3.58	29.8	119	50.5	614	131	29
2650	Pullman, WA	OBADV11-27	6	35.2	90.1	64	73.7	n.d.	3	10.9	3.09	29.5	105	31.1	730	90	15
2651	Pullman, WA	OBADV11-15	6	34.6	85.9	68	76.6	1.5	1	11.8	3.35	30.7	100	47.5	419	113	26
2652	Pullman, WA	Alba	6	36.8	89.1	72	76.2	1.3	1	12.1	3.43	29.2	101	49.4	697	128	26
2653	Pullman, WA	OBADV11-16	6	33.6	84.8	47	75.3	2.4	2	12.0	3.77	32.9	120	49.7	314	154	25
2654	Pullman, WA	OR105	6	34.4	89.5	54	78.0	2.1	2	11.1	3.56	32.5	108	55.1	277	143	27
2655	Pullman, WA	OR97	6	31.3	86.2	55	79.4	1.7	1	11.1	4.38	42.2	115	79.4	269	200	41
2656	Pullman, WA	OR816	6	33.2	91.2	70	78.8	1.7	1	11.1	3.72	35.0	113	58.9	208	159	31
2657	Pullman, WA	OR818	6	30.9	88.1	53	79.4	1.6	1	11.1	4.36	41.1	118	84.8	255	202	38
2658	Pullman, WA	OR910	6	31.8	90.6	53	80.0	1.6	1	10.9	4.43	42.9	122	84.6	167	209	50
2659	Pullman, WA	OR103	6	39.0	95.7	56	77.6	1.8	2	11.1	3.71	35.0	98	56.9	527	161	23
2660	Pullman, WA	Charles	2	38.0	94.7	61	81.1	1.6	1	11.1	4.36	42.2	121	95.8	90	198	63
2661	Pullman, WA	OR113	6	32.3	88.6	60	78.3	2.0	2	11.1	3.64	33.3	110	58.6	212	152	30
2662		LACEY MALT CHECK		33.6	89.8	57	79.0	2.1	2	12.5	5.33	44.1	140	70.1	100	239	69
2663	Pullman, WA	OR111	6	41.4	95.9	63	77.0	1.3	1	12.2	4.00	34.7	100	57.4	468	173	29
2664	Pullman, WA	OR815	6	37.5	92.9	63	79.0	1.3	1	11.5	3.97	35.0	109	58.6	386	161	31
2665	Pullman, WA	OR110	6	35.7	94.7	69	77.4	1.9	2	11.1	3.42	31.8	111	45.8	497	128	20
2666	Pullman, WA	OR108	6	35.1	90.9	65	77.6	1.5	1	10.8	3.44	31.8	96	53.5	392	140	24
2667	Pullman, WA	Eight-Twelve	6	31.7	80.8	55	75.3	n.d.	3	10.7	3.82	37.1	97	41.4	355	162	18
2668	Pullman, WA	OR915	6	32.6	85.5	63	78.7	n.d.	3	10.5	3.71	36.1	102	58.9	252	161	29
2669	Pullman, WA	OR104	6	34.5	90.2	59	79.0	n.d.	3	10.9	3.49	32.7	119	51.4	330	137	32
2670	Pullman, WA	OR102	6	39.9	96.7	70	77.4	1.3	1	11.1	3.27	29.6	93	46.4	722	123	21
2671	Pullman, WA	OR106	6	35.3	93.7	58	76.6	n.d.	3	11.5	3.54	33.0	119	45.6	625	145	24
2672	Pullman, WA	OR101	6	31.6	91.9	52	80.5	1.5	1	10.4	4.19	44.4	111	77.4	171	195	41
2673	Pullman, WA	OR98	6	31.9	90.5	52	80.3	1.7	1	10.4	4.23	42.0	116	84.9	200	194	41
2674	Pullman, WA	Maja	6	34.8	91.9	57	77.9	n.d.	3	9.9	3.30	35.3	44	38.5	620	118	19
2675	Pullman, WA	OR107	6	40.1	96.1	66	77.3	1.5	2	9.8	3.39	35.5	82	48.4	496	138	20
2676	Pullman, WA	OR76	6	36.9	95.7	67	79.0	1.7	2	11.0	3.94	37.5	99	73.7	192	169	30
2677	Pullman, WA	OR91	6	31.7	89.9	54	80.3	1.7	1	10.3	4.13	42.7	106	81.6	201	185	38
2678	Pullman, WA	OR813	6	36.5	94.8	64	78.9	1.6	1	11.6	4.03	36.6	103	77.7	176	172	36
2679	Pullman, WA	OR109	6	33.6	90.9	60	80.7	1.8	2	10.7	4.06	40.2	103	68.5	169	184	36
2680	Pullman, WA	OR114	6	35.0	92.9	58	79.3	n.d.	3	10.1	3.51	38.6	79	51.1	303	143	32
2681	Pullman, WA	OR112	6	36.9	95.3	59	79.3	n.d.	3	10.2	3.51	36.3	93	55.9	285	150	32
2682	Aberdeen, ID	Harrington	2	41.0	97.2	64	83.2	1.3	1	10.6	4.73	47.8	106	99.1	418	222	49
2683	Aberdeen, ID	Merit	2	38.9	95.5	71	83.3	1.4	1	10.3	4.53	46.5	134	104.1	178	201	55
2684	Aberdeen, ID	Conrad	2	39.2	97.7	62	81.6	1.2	1	11.5	4.57	40.8	128	93.6	261	206	60
2685	Aberdeen, ID	ACMetcalfe	2	40.2	97.6	70	83.0	1.5	1	11.3	4.78	46.5	116	102.1	144	221	62
2686	Aberdeen, ID	M69	2	40.4	97	64	83.1	1.4	1	10.1	4.43	47.2	96	91.0	98	209	52
2687	Aberdeen, ID	2AB07-X031089-42	2	37.5	96.2	56	82.8	1.5	1	10.2	4.54	47.3	88	78.6	139	188	42
2688	Aberdeen, ID	2Ab07-X04M114-40	2	42.1	97.8	69	82.1	1.5	1	10.8	4.30	42.0	108	99.6	179	169	46
2689	Aberdeen, ID	2Ab08-X04M282-34	2	38.2	93.7	59	82.0	1.5	1	9.9	4.36	46.7	97	105.2	152	170	39
2690	Aberdeen, ID	2Ab08-X05M006-29	2	41.8	95.3	67	82.6	1.5	1	10.0	4.55	47.3	113	103.2	184	191	49
2691		HARRINGTON MALT CHECK		40.1	97.6	75	82.3	1.2	1	11.7	4.89	44.5	117	94.5	108	206	59
2692	Aberdeen, ID	2Ab08-X05M006-4	2	43.8	97.5	66	83.1	1.7	1	10.3	4.92	49.5	106	101.0	93	205	57
2693	Aberdeen, ID	2Ab08-X05M010-10	2	40.9	97.2	67	82.4	1.4	1	10.4	4.13	43.1	101	88.0	123	173	48
2694	Aberdeen, ID	2Ab08-X05M010-62	2	41.5	97.8	54	83.1	1.2	1	9.9	4.18	44.8	114	89.4	141	184	51
2695	Aberdeen, ID	2Ab08-X05M010-65	2	39.4	95.3	57	82.6	1.1	1	9.8	4.13	43.1	106	87.3	186	176	43

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2696	Aberdeen, ID	2Ab08-X05M010-82	2	38.3	95	57	82.7	1.5	1	10.3	4.69	49.2	106	100.5	85	205	54
2697	Aberdeen, ID	2Ab08-X05M028-48	2	35.6	95.7	66	83.7	1.4	1	9.8	4.73	52.0	126	103.2	95	200	55
2698	Aberdeen, ID	2Ab08-X05M028-57	2	40.7	97.9	68	84.1	1.5	1	10.8	4.94	48.9	135	106.4	97	210	59
2699	Aberdeen, ID	2Ab08-X05M030-47	2	41.2	96.4	71	83.5	1.5	1	10.5	4.71	47.4	104	98.1	275	191	49
2700	Aberdeen, ID	2Ab08-X05M011-73	2	38.4	97.6	66	83.8	1.3	1	11.1	4.55	43.0	144	92.6	126	194	63
2701	Aberdeen, ID	2Ab08-X04M282-44	2	38.5	94.2	60	81.8	2.1	1	10.4	4.45	44.9	105	100.8	230	192	52
2702	Aberdeen, ID	2Ab08-X04M282-48	2	38.8	95.8	59	82.5	2.0	1	10.6	4.34	44.1	107	105.3	164	190	48
2703	Aberdeen, ID	2Ab08-X05M006-40	2	40.2	95.1	66	82.2	1.8	1	10.6	4.56	45.2	108	95.2	326	189	52
2704	Aberdeen, ID	2Ab08-X05M046-47	2	40.1	97	69	82.5	2.1	1	10.2	4.52	45.7	104	102.0	121	189	55
2705	Filer, ID	Harrington	2	42.7	98	84	82.5	1.5	1	10.0	4.45	46.5	98	88.7	116	182	52
2706	Filer, ID	Merit	2	39.3	94	88	83.2	1.7	1	9.9	4.40	47.4	134	103.4	62	182	51
2707	Filer, ID	Conrad	2	43.8	98.9	77	81.4	1.5	2	11.5	4.16	39.1	120	82.7	203	165	45
2708	Filer, ID	ACMetcalfe	2	41.5	98	86	83.1	1.9	1	10.6	4.71	47.7	119	95.9	79	193	56
2709	Filer, ID	M69	2	39.5	94.8	86	81.5	1.7	1	10.5	4.12	43.1	89	76.5	89	172	46
2710	Filer, ID	2AB07-X031089-42	2	39.4	96.7	78	82.7	1.7	1	9.9	4.24	45.6	97	74.1	60	173	46
2711	Filer, ID	2Ab07-X04M114-40	2	44.1	98.9	83	82.4	1.7	1	10.2	4.16	43.1	83	83.4	179	175	42
2712	Filer, ID	2Ab08-X04M282-34	2	39.5	95.3	75	82.3	1.8	1	9.9	4.36	48.4	86	92.4	54	196	46
2713	Filer, ID	2Ab08-X05M006-29	2	45.6	98.8	77	82.9	1.7	1	10.0	4.50	45.5	95	93.5	77	188	56
2714	Filer, ID	2Ab08-X05M006-4	2	44.3	97.6	84	82.5	1.7	1	10.0	4.46	49.0	98	93.7	161	187	44
2715	Filer, ID	2Ab08-X05M010-10	2	42.9	98.6	81	82.0	2.0	2	9.9	3.75	40.7	92	74.7	138	147	41
2716	Filer, ID	2Ab08-X05M010-62	2	44.0	98.7	79	82.6	1.5	1	9.9	3.85	40.1	92	68.7	110	152	42
2717	Filer, ID	2Ab08-X05M010-65	2	44.1	98.3	77	83.2	1.4	1	9.5	3.79	42.9	94	75.5	209	153	39
2718	Filer, ID	2Ab08-X05M010-82	2	41.1	98.3	79	83.6	1.7	1	8.7	4.15	49.0	82	83.8	66	171	43
2719	Filer, ID	2Ab08-X05M028-48	2	39.5	98.2	84	83.3	1.6	1	10.1	4.59	47.9	129	96.7	47	199	57
2720	Filer, ID	2Ab08-X05M028-57	2	40.3	97.6	87	83.9	1.8	1	10.9	4.95	49.7	133	100.7	65	207	59
2721		HARRINGTON MALT CHECK		40.6	97.4	79	82.4	1.7	1	11.5	4.88	46.0	120	92.9	122	215	55
2722	Filer, ID	2Ab08-X05M030-47	2	44.6	98.9	85	83.5	1.6	1	9.5	4.25	46.3	93	80.0	107	178	45
2723	Filer, ID	2Ab08-X05M011-73	2	42.5	98.2	84	83.3	1.7	1	9.7	4.21	47.1	110	82.7	80	186	51
2724	Filer, ID	2Ab08-X04M282-44	2	40.1	97.3	76	83.3	1.9	1	9.0	4.26	49.3	70	86.3	87	192	48
2725	Filer, ID	2Ab08-X04M282-48	2	40.6	98	76	83.2	1.9	1	9.5	4.33	50.2	74	83.6	71	203	48
2726	Filer, ID	2Ab08-X05M006-40	2	42.3	95.5	82	82.6	1.9	1	9.3	4.49	49.0	76	79.7	167	192	46
2727	Filer, ID	2Ab08-X05M046-47	2	42.1	98.9	79	82.9	1.5	1	10.2	4.31	46.2	85	85.4	137	175	45
2728	Aberdeen, ID	Harrington	2	38.9	96.3	69	82.6	1.9	1	11.1	4.85	44.9	110	91.1	269	208	57
2729	Aberdeen, ID	Merit	2	38.6	96.7	73	82.8	1.9	1	10.7	4.75	47.3	158	105.4	129	198	53
2730	Aberdeen, ID	Conrad	2	40.1	97.2	62	81.7	1.6	1	11.7	4.77	42.9	138	91.8	251	203	62
2731	Aberdeen, ID	ACMetcalfe	2	39.9	97.7	72	82.7	1.7	1	11.2	4.86	43.8	135	105.3	99	208	67
2732	Aberdeen, ID	Merit57	2	36.1	94.3	72	83.8	1.8	1	10.6	4.75	49.1	117	110.7	86	197	52
2733	Aberdeen, ID	CDC Copeland	2	43.3	97.9	62	82.4	1.9	1	11.3	4.92	47.0	127	97.0	114	188	64
2734	Aberdeen, ID	2Ab04-X01084-27	2	40.1	96.5	56	81.7	1.8	1	11.0	4.46	44.2	101	90.2	183	185	52
2735	Aberdeen, ID	02Ab17271	2	41.2	97.4	73	83.8	2.0	1	10.8	4.73	47.7	119	87.0	185	199	49
2736	Aberdeen, ID	2Ab07-X04M114-21	2	41.9	96.4	70	82.0	1.7	1	11.3	4.65	43.4	103	90.7	255	182	57
2737	Aberdeen, ID	2Ab07-X04M122-47	2	42.8	97.8	74	83.0	1.8	1	10.9	4.49	43.6	102	75.2	236	192	55
2738	Aberdeen, ID	2Ab07-X04M219-14	2	37.8	94.8	73	84.1	1.8	1	10.7	4.83	47.6	116	83.8	107	200	48
2739	Aberdeen, ID	2Ab07-X04M219-46	2	37.0	93	73	84.5	1.9	1	9.8	4.42	47.5	115	84.7	77	174	47
2740	Aberdeen, ID	2Ab07-X031098-31	2	40.4	96.5	66	84.5	2.0	1	10.5	4.91	48.8	113	90.0	103	201	52
2741	Aberdeen, ID	2Ab04-X00022-4	2	42.8	97.2	72	80.9	2.2	1	11.4	4.71	41.9	110	72.8	368	178	52
2742	Aberdeen, ID	2Ab04-X00026-2	2	43.2	98.4	60	82.7	1.9	1	11.4	4.77	45.0	115	101.0	233	191	60
2743	Aberdeen, ID	2Ab07-X04M281-32	2	38.2	94.1	67	83.5	1.8	1	10.7	4.75	46.4	123	112.5	168	195	55
2744	Aberdeen, ID	2Ab04-X00026-3	2	43.1	98.8	66	82.3	1.6	1	11.6	4.71	41.6	119	95.5	194	182	58

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2745	Aberdeen, ID	2Ab07-X04M114-25	2	36.5	95.9	63	83.5	1.7	1	10.2	4.52	46.7	101	106.9	208	190	48
2746	Aberdeen, ID	2Ab08-X04M278-35	2	39.7	96.2	60	83.4	2.3	1	11.6	5.16	47.0	126	98.4	150	206	63
2747	Aberdeen, ID	2Ab08-X05M006-24	2	41.4	95.2	64	82.2	2.1	1	11.3	5.26	47.6	127	114.2	244	215	57
2748	Aberdeen, ID	2B04-0175	2	42.8	98.9	68	83.6	2.2	1	11.4	5.04	48.0	103	100.5	165	206	55
2749	Aberdeen, ID	2B05-0811	2	41.3	97.1	64	83.7	2.0	1	11.3	5.23	48.7	100	109.1	317	224	50
2750		HARRINGTON MALT CHECK		39.3	96.4	77	82.6	1.7	1	11.4	5.02	46.4	114	99.9	122	206	50
2751	Aberdeen, ID	M69	2	40.9	96.6	62	82.7	1.9	1	10.7	4.72	47.7	90	91.1	106	203	48
2752	Aberdeen, ID	M-137	2	40.9	96.7	64	83.3	1.9	1	10.6	4.62	46.8	86	84.1	70	194	57
2753	Aberdeen, ID	2Ab09-X05M049-2	2	43.0	98.7	65	82.5	2.2	1	11.5	5.40	47.6	131	93.9	120	216	61
2754	Filer, ID	Harrington	2	41.4	97.7	79	81.4	1.4	1	11.0	4.78	46.1	124	88.4	184	186	60
2755	Filer, ID	Merit	2	41.6	97.3	83	83.0	1.7	1	10.1	4.50	48.2	120	97.8	97	179	54
2756	Filer, ID	Conrad	2	44.5	99.6	77	82.0	1.4	1	10.5	4.70	46.9	127	90.1	111	196	61
2757	Filer, ID	ACMetcalfe	2	42.2	98.8	84	83.2	1.8	1	10.3	4.62	48.1	111	98.1	55	185	55
2758	Filer, ID	Merit57	2	41.1	98	86	83.2	1.5	1	10.1	4.51	47.1	102	101.0	67	171	51
2759	Filer, ID	CDC Copeland	2	46.0	99.2	76	82.4	1.7	1	10.6	4.69	46.4	111	89.5	57	167	57
2760	Filer, ID	2Ab04-X01084-27	2	43.2	98.4	77	82.5	1.5	1	9.9	4.18	45.7	93	80.0	119	153	45
2761	Filer, ID	02Ab17271	2	44.8	97.2	82	83.5	1.6	1	10.3	4.51	45.6	100	78.1	94	175	57
2762	Filer, ID	2Ab07-X04M114-21	2	41.3	97.1	83	82.4	1.7	1	9.1	4.50	51.4	68	80.5	80	169	47
2763	Filer, ID	2Ab07-X04M122-47	2	42.6	97.9	82	82.0	1.4	1	11.4	4.49	42.8	104	70.9	116	185	61
2764	Filer, ID	2Ab07-X04M219-14	2	37.0	91.3	84	82.7	1.5	1	10.6	4.63	47.1	110	72.2	67	184	50
2765	Filer, ID	2Ab07-X04M219-46	2	38.2	91.5	80	81.9	1.3	1	11.6	4.67	41.9	151	82.1	87	178	62
2766	Filer, ID	2Ab07-X031098-31	2	43.1	98.5	74	82.6	1.5	1	12.4	5.21	45.6	162	92.8	57	210	70
2767	Filer, ID	2Ab04-X00022-4	2	45.3	97.8	77	82.2	1.5	1	10.8	4.62	44.7	118	74.3	231	179	50
2768	Filer, ID	2Ab04-X00026-2	2	47.0	99.7	81	82.0	1.4	1	11.5	4.53	42.8	118	86.8	106	177	58
2769	Filer, ID	2Ab07-X04M281-32	2	39.8	95.5	77	82.8	1.4	1	10.6	4.62	45.5	125	102.3	97	182	60
2770	Filer, ID	2Ab04-X00026-3	2	44.5	99.2	83	81.9	1.3	1	10.5	4.31	43.9	109	78.5	107	162	49
2771	Filer, ID	2Ab07-X04M114-25	2	37.4	96.2	79	81.9	1.3	1	10.8	4.57	46.2	107	98.8	102	193	53
2772	Filer, ID	2Ab08-X04M278-35	2	44.9	98.2	76	83.1	2.0	1	11.5	5.04	47.5	133	95.3	52	216	65
2773	Filer, ID	2Ab08-X05M006-24	2	43.2	95.9	81	82.0	1.8	1	11.3	5.07	46.2	127	110.9	151	235	63
2774	Filer, ID	2B04-0175	2	44.7	99.3	81	83.4	1.9	1	10.3	4.96	49.0	113	97.2	62	220	57
2775	Filer, ID	2B05-0811	2	44.3	98.3	79	83.3	1.7	1	11.2	4.85	47.3	106	95.2	97	209	62
2776	Filer, ID	M69	2	42.4	96.7	79	81.7	1.6	1	10.6	4.36	44.0	98	78.0	49	202	54
2777	Filer, ID	M-137	2	39.2	93.5	77	80.3	1.7	1	11.2	4.54	43.7	93	76.7	64	208	57
2778	Filer, ID	2Ab09-X05M049-2	2	44.6	98.6	79	81.6	1.7	1	11.5	4.72	43.4	141	81.7	68	208	70
2779		HARRINGTON MALT CHECK		40.2	96.5	77	82.0	1.8	1	11.3	4.84	45.5	132	100.0	72	224	58
2780	Aberdeen, ID	Morex	6	36.4	96.6	67	80.1	1.8	1	12.0	4.55	39.4	152	72.0	154	194	52
2781	Aberdeen, ID	Legacy	6	34.2	93.6	75	80.4	1.7	1	10.0	3.97	41.5	120	66.3	277	153	38
2782	Aberdeen, ID	Tradition	6	36.7	98.3	72	80.5	n.d.	3	10.7	4.26	40.5	149	71.4	190	176	39
2783	Aberdeen, ID	Stellar	6	37.8	98.2	72	80.6	2.0	1	10.6	4.38	43.5	120	77.0	201	190	39
2784	Aberdeen, ID	6Ab07-X020028-39	6	37.0	97.4	66	80.7	2.4	2	11.1	4.58	43.9	127	71.7	148	182	45
2785	Aberdeen, ID	6Ab07-X04M157-49	6	36.5	95.5	74	81.8	2.0	1	10.2	4.39	46.4	100	77.2	191	195	42
2786	Aberdeen, ID	6Ab07-X020027-54	6	33.8	91.9	52	80.8	2.0	1	9.6	4.22	44.6	96	68.3	257	169	39
2787	Aberdeen, ID	6Ab07-X031046-40	6	38.6	96.9	66	82.0	1.7	1	8.8	4.27	52.2	93	72.3	305	183	34
2788	Aberdeen, ID	6Ab07-X020026-43	6	36.3	93.8	59	82.9	1.9	1	9.7	4.29	46.4	111	75.3	113	173	46
2789	Aberdeen, ID	6Ab07-X04M259-12	6	38.9	97.7	67	81.8	n.d.	3	10.4	4.34	44.1	129	64.4	308	184	41
2790	Aberdeen, ID	6Ab07-X04M290-22	6	38.5	97.2	78	82.4	n.d.	3	9.2	4.08	46.3	84	74.1	259	171	37
2791	Aberdeen, ID	6Ab07-X020049-11	6	36.6	97.2	64	83.7	1.9	1	9.5	4.50	50.1	71	84.1	199	217	39
2792	Aberdeen, ID	6Ab08-X04M168-12	6	35.7	96.6	72	81.5	1.9	2	10.0	3.96	43.4	112	71.8	139	167	41
2793	Aberdeen, ID	6Ab08-X04M197-16	6	35.9	95.6	70	81.9	n.d.	3	9.5	3.74	42.0	89	64.4	125	160	40

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2794	Aberdeen, ID	6Ab08-X04M197-27	6	35.7	97.3	70	83.7	2.3	1	9.8	4.82	53.5	96	95.7	117	229	49
2795	Aberdeen, ID	6Ab08-X04M197-36	6	37.8	97.8	76	81.5	n.d.	3	9.4	3.61	40.9	85	60.7	166	144	35
2796	Aberdeen, ID	6Ab08-X05M111-41	6	39.5	98	76	80.6	1.5	1	10.7	3.92	38.8	133	57.9	146	161	41
2797	Aberdeen, ID	6Ab08-X05M115-44	6	35.7	96.7	66	80.9	1.7	1	9.7	3.67	39.6	89	55.5	323	133	34
2798	Aberdeen, ID	6Ab08-X05M118-69	6	36.8	96.6	67	81.2	1.9	1	10.2	4.15	43.5	86	67.4	159	167	42
2799	Aberdeen, ID	6Ab08-X05M123-1	6	36.5	95.4	65	81.0	n.d.	3	10.2	4.08	43.0	110	66.5	181	159	37
2800	Aberdeen, ID	6Ab08-X04M276-47	6	40.4	97.7	66	80.8	1.6	1	11.0	4.68	46.1	124	73.6	151	186	46
2801	Aberdeen, ID	6Ab08-X05M119-46	6	36.6	98.1	67	82.9	2.0	1	10.1	4.75	48.9	80	80.7	206	226	39
2802	Aberdeen, ID	6Ab08-X04M163-13	6	35.6	97.4	63	81.7	n.d.	3	9.3	3.96	43.9	87	65.1	325	159	37
2803	Aberdeen, ID	6Ab08-X04M168-20	6	41.1	98.5	73	82.0	1.9	1	10.7	4.81	48.3	139	96.7	77	211	53
2804	Aberdeen, ID	6Ab08-X04M168-9	6	38.0	97.9	75	81.9	1.8	1	10.3	4.49	47.9	139	95.0	66	190	48
2805	Aberdeen, ID	6Ab08-X04M197-50	6	38.8	98.2	70	83.3	2.3	1	9.6	4.91	53.7	109	105.1	74	223	49
2806	Aberdeen, ID	6Ab08-X05M104-2	6	37.2	96.3	67	81.5	1.8	1	9.9	4.42	46.6	131	87.2	75	194	53
2807	Aberdeen, ID	6Ab08-X05M111-24	6	37.2	97.6	68	79.7	1.5	1	11.3	4.13	38.0	143	74.7	93	173	48
2808		HARRINGTON MALT CHECK		38.8	95.5	76	82.0	1.4	1	11.8	4.79	43.8	126	99.6	86	184	55
2809	Aberdeen, ID	6Ab08-X05M113-79	6	36.6	97	65	81.3	n.d.	3	9.2	3.73	41.2	95	57.4	390	123	32
2810	Filer, ID	Morex	6	36.4	95.4	90	80.1	n.d.	3	11.4	4.36	40.2	143	65.9	121	160	42
2811	Filer, ID	Legacy	6	34.9	95	92	81.0	1.7	1	9.1	4.48	49.9	111	87.9	130	147	37
2812	Filer, ID	Tradition	6	36.8	98.1	92	80.3	n.d.	3	10.5	4.23	40.5	144	72.4	89	158	46
2813	Filer, ID	Stellar	6	37.6	96.6	92	80.6	n.d.	3	9.5	4.12	45.0	102	66.4	97	153	44
2814	Filer, ID	6Ab07-X020028-39	6	38.4	95.6	90	80.3	n.d.	3	10.3	4.28	43.3	127	66.5	173	156	41
2815	Filer, ID	6Ab07-X04M157-49	6	37.1	95.6	94	81.0	1.9	1	8.5	4.02	49.6	67	73.7	116	156	41
2816	Filer, ID	6Ab07-X020027-54	6	36.5	93.1	82	81.0	n.d.	3	8.8	3.73	45.6	66	58.7	232	133	37
2817	Filer, ID	6Ab07-X031046-40	6	40.3	96.6	83	81.4	1.5	1	8.7	4.30	52.6	70	75.8	194	155	34
2818	Filer, ID	6Ab07-X020026-43	6	38.1	96.2	84	82.6	1.7	1	8.8	4.36	54.2	58	75.7	51	148	41
2819	Filer, ID	6Ab07-X04M259-12	6	39.6	97.4	93	80.9	n.d.	3	9.0	3.94	47.6	87	62.2	123	140	35
2820	Filer, ID	6Ab07-X04M290-22	6	39.5	96.9	92	82.1	n.d.	3	8.5	4.32	52.4	54	73.9	186	174	32
2821	Filer, ID	6Ab07-X020049-11	6	37.6	97.1	88	83.1	2.0	1	8.8	4.27	53.2	50	87.0	90	187	41
2822	Filer, ID	6Ab08-X04M168-12	6	42.1	98.2	88	82.8	2.0	1	8.6	4.30	53.6	80	86.5	66	176	41
2823	Filer, ID	6Ab08-X04M197-16	6	38.4	97.8	94	81.3	n.d.	3	8.4	3.80	47.3	61	64.6	109	142	39
2824	Filer, ID	6Ab08-X04M197-27	6	35.1	92.9	94	83.2	2.7	2	8.1	4.20	56.3	64	92.4	61	178	40
2825	Filer, ID	6Ab08-X04M197-36	6	39.1	98.2	92	81.3	n.d.	3	8.8	3.76	46.6	71	60.7	161	142	40
2826	Filer, ID	6Ab08-X05M111-41	6	38.2	96.2	92	80.0	1.7	2	9.4	3.82	42.9	95	58.2	140	142	41
2827	Filer, ID	6Ab08-X05M115-44	6	36.7	93.4	92	80.4	n.d.	3	8.3	3.58	44.9	71	57.5	229	126	37
2828	Filer, ID	6Ab08-X05M118-69	6	36.6	94.8	96	80.6	n.d.	3	9.8	3.98	43.9	91	64.0	102	145	44
2829	Filer, ID	6Ab08-X05M123-1	6	38.3	95.5	91	79.7	n.d.	3	10.3	4.21	44.6	119	65.1	143	145	40
2830	Filer, ID	6Ab08-X04M276-47	6	40.7	91.8	90	80.8	1.8	1	9.1	4.20	47.7	90	69.8	85	151	41
2831	Filer, ID	6Ab08-X05M119-46	6	38.0	97.2	93	81.6	n.d.	3	9.1	4.49	54.8	49	79.3	101	194	
2832	Filer, ID	6Ab08-X04M163-13	6	36.1	97.2	93	79.9	n.d.	3	8.8	3.80	45.0	67	58.4	243	145	42
2833	Filer, ID	6Ab08-X04M168-20	6	42.0	97.5	97	81.4	2.2	1	9.5	4.70	49.6	96	93.9	70	208	37
2834	Filer, ID	6Ab08-X04M168-9	6	38.1	97.8	96	82.5	2.7	1	8.7	4.22	53.9	82	89.5	81	180	46
2835	Filer, ID	6Ab08-X04M197-50	6	39.7	97.6	94	82.6	2.9	1	8.7	4.53	56.6	67	90.8	91	194	41
2836	Filer, ID	6Ab08-X05M104-2	6	37.7	95.5	92	80.0	2.8	2	9.6	4.33	48.3	104	72.9	72	185	44
2837		LACEY MALT CHECK		35.0	89.9	56	79.0	2.4	1	12.7	5.17	43.6	151	74.4	65	220	40
2838	Filer, ID	6Ab08-X05M111-24	6	37.4	93.9	90	79.5	2.2	1	9.8	4.24	44.7	120	68.6	151	186	63
2839	Filer, ID	6Ab08-X05M113-79	6	37.4	95.4	90	80.5	2.5	2	9.7	3.68	40.8	85	58.9	210	142	42
2840	Aberdeen, ID	Morex	6	37.3	97.9	65	83.0	3.5	2	9.2	4.16	46.3	74	74.3	197	179	38
2841	Aberdeen, ID	Legacy	6	38.4	96.8	68	81.2	2.6	1	9.0	4.04	45.3	96	76.9	173	180	39
2842	Aberdeen, ID	Tradition	6	37.3	98.5	67	80.3	2.6	1	13.1	4.74	38.6	175	82.8	235	197	49

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2843	Aberdeen, ID	Stellar	6	38.5	98.7	71	80.2	2.2	1	12.0	4.83	42.0	153	83.6	181	208	54
2844	Aberdeen, ID	01Ab9663	6	39.9	98.1	68	82.7	1.9	1	10.3	4.38	45.3	124	80.9	196	194	46
2845	Aberdeen, ID	04Ab034-62	6	39.3	98.7	65	80.0	2.9	2	12.1	4.89	41.8	141	79.6	446	214	53
2846	Aberdeen, ID	04Ab060-66	6	38.2	98	63	81.9	3.0	2	9.3	4.13	45.3	77	73.6	242	183	38
2847	Aberdeen, ID	04Ab011-7	6	37.7	98.4	70	82.7	1.8	1	10.4	4.38	45.6	111	81.3	184	207	44
2848	Aberdeen, ID	04Ab022-35	6	36.6	96.5	68	82.4	2.0	1	10.2	4.72	50.0	99	82.7	158	222	42
2849	Aberdeen, ID	04Ab059-51	6	37.4	96.5	69	81.6	1.8	1	10.2	4.44	45.3	133	73.6	206	203	48
2850	Aberdeen, ID	6Ab04-X00123-9	6	36.6	94	68	82.1	1.7	1	9.8	3.69	40.0	114	61.3	291	155	34
2851	Aberdeen, ID	6Ab07-X031057-33	6	36.7	97.7	63	82.2	2.0	1	10.6	4.60	45.4	130	78.0	256	196	46
2852	Aberdeen, ID	6Ab07-X020030-37	6	37.3	97.8	63	80.8	2.1	1	10.6	4.03	40.4	117	65.4	277	169	34
2853	Aberdeen, ID	6Ab07-X04M172-29	6	39.4	99.4	62	83.6	2.5	1	9.5	4.35	46.9	99	72.8	197	195	42
2854	Aberdeen, ID	6Ab07-X020030-49	6	39.4	97.3	62	81.0	1.9	1	10.3	3.93	40.6	108	62.9	311	159	34
2855	Aberdeen, ID	6Ab07-X020029-45	6	35.0	94.3	66	81.8	1.7	1	9.9	3.68	41.0	104	63.6	353	149	34
2856	Aberdeen, ID	6Ab07-X04M238-13	6	37.6	96.1	68	83.1	1.9	1	9.3	4.07	47.0	95	81.1	268	178	34
2857	Aberdeen, ID	6Ab07-X020049-13	6	37.9	95.2	60	81.1	1.7	1	10.6	3.74	37.1	123	57.9	374	141	38
2858	Aberdeen, ID	6Ab07-X020047-9	6	40.7	98.9	66	82.2	2.2	1	11.1	5.11	47.7	121	77.9	203	243	46
2859	Filer, ID	Morex	6	36.4	94.2	89	79.4	2.4	2	11.9	4.43	38.7	157	61.1	167	186	48
2860	Filer, ID	Legacy	6	34.9	94.7	95	80.3	2.2	1	9.9	4.36	46.4	126	79.6	176	190	43
2861	Filer, ID	Tradition	6	35.8	97.8	95	80.0	n.d.	3	11.4	4.42	41.1	152	68.2	107	183	46
2862	Filer, ID	Stellar	6	38.3	97.1	94	80.5	n.d.	3	10.7	4.34	43.5	177	76.1	78	194	54
2863	Filer, ID	01Ab9663	6	42.1	98	85	83.6	1.8	1	9.7	4.63	52.2	129	83.5	68	216	50
2864	Filer, ID	04Ab034-62	6	37.6	97.1	88	80.3	n.d.	3	10.8	4.32	41.7	146	69.9	332	192	42
2865	Filer, ID	04Ab060-66	6	41.3	97.9	84	82.4	2.4	2	9.2	3.93	46.3	109	64.2	114	163	45
2866		LACEY MALT CHECK		32.6	89.1	56	79.5	2.6	2	12.3	5.23	44.7	149	76.4	90	214	69
2867	Filer, ID	04Ab011-7	6	38.1	98.1	88	82.0	1.7	1	10.0	4.33	46.9	97	84.3	154	214	47
2868	Filer, ID	04Ab022-35	6	37.0	96.1	88	82.4	2.1	1	9.4	4.50	51.3	95	81.7	137	185	37
2869	Filer, ID	04Ab059-51	6	39.4	97.6	92	82.9	2.1	1	8.6	4.09	50.9	87	68.3	108	159	41
2870	Filer, ID	6Ab04-X00123-9	6	34.1	93.8	94	81.7	n.d.	3	9.7	4.38	47.6	107	74.9	177	167	32
2871	Filer, ID	6Ab07-X031057-33	6	37.9	97.3	83	82.1	2.0	1	8.8	4.09	52.1	79	74.7	217	172	34
2872	Filer, ID	6Ab07-X020030-37	6	38.3	93.3	93	79.8	1.9	2	8.6	3.35	42.1	75	51.2	345	127	38
2873	Filer, ID	6Ab07-X04M172-29	6	39.4	98.1	92	82.3	n.d.	3	8.7	4.17	53.9	55	72.2	153	175	35
2874	Filer, ID	6Ab07-X020030-49	6	39.7	96.6	90	80.5	2.2	2	9.2	3.77	45.1	89	62.5	357	155	38
2875	Filer, ID	6Ab07-X020029-45	6	37.1	96.3	94	81.7	1.7	1	8.9	3.81	47.5	82	62.8	223	154	34
2876	Filer, ID	6Ab07-X04M238-13	6	39.9	97.7	91	82.2	n.d.	3	9.1	4.24	51.1	66	81.6	240	192	35
2877	Filer, ID	6Ab07-X020049-13	6	37.7	94.5	90	79.9	1.7	1	9.2	3.60	41.4	100	55.6	262	146	34
2878	Filer, ID	6Ab07-X020047-9	6	38.2	97.2	93	80.4	n.d.	3	9.1	4.20	50.0	52	73.6	233	177	32
2879	Aberdeen, ID	Endeavor	2	32.7	87.6	70	81.2	2.0	1	11.4	4.78	43.4	133	99.0	111	199	59
2880	Aberdeen, ID	Charles	2	37.9	96.1	66	82.0	2.0	1	12.1	4.95	43.8	116	96.6	90	216	62
2881	Aberdeen, ID	2Ab09-X04W035-4	2	33.9	85	67	77.6	1.7	1	15.1	5.12	34.6	123	82.8	265	199	31
2882	Aberdeen, ID	2Ab09-X04W035-14	2	33.0	88.6	72	79.3	1.5	1	12.7	4.29	35.8	117	63.9	277	165	33
2883	Aberdeen, ID	2Ab09-X04W035-83	2	34.6	94.8	67	80.9	1.6	1	11.9	4.39	38.4	129	83.0	185	169	41
2884	Aberdeen, ID	2Ab09-X04W035-89	2	33.2	87.9	72	80.4	1.4	1	11.4	3.96	37.1	133	71.3	173	150	36
2885	Aberdeen, ID	2Ab09-X04W035-98	2	29.4	57.2	77	76.9	1.6	1	14.3	4.50	32.5	220	78.8	228	176	23
2886	Aberdeen, ID	2Ab09-X04W035-104	2	32.7	78.4	71	78.4	1.4	1	13.2	4.58	36.7	176	85.6	363	179	32
2887	Aberdeen, ID	2Ab09-X04W035-110	2	31.6	91.4	79	83.0	1.7	1	8.7	3.67	47.1	97	83.7	91	125	36
2888	Aberdeen, ID	2Ab09-X04W035-146	2	34.0	87.9	78	83.7	1.6	1	8.9	4.09	49.1	131	81.1	63	145	44
2889	Aberdeen, ID	2Ab09-X04W035-147	2	29.9	80	77	82.5	1.5	1	9.2	3.62	43.4	146	75.5	98	119	43
2890	Aberdeen, ID	2Ab09-X04W039-31	2	33.6	93.6	71	81.8	1.7	1	10.7	4.81	47.3	140	117.0	58	181	53
2891	Aberdeen, ID	2Ab09-X04W039-67	2	40.2	97.9	65	81.6	1.7	1	11.2	4.67	45.0	149	91.2	145	179	60

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
2892	Aberdeen, ID	2Ab09-X04W039-74	2	38.0	95.9	65	79.4	2.0	1	14.0	5.71	42.1	178	109.7	180	234	40
2893	Aberdeen, ID	2Ab09-X05W002-10	2	32.3	70.7	79	79.4	1.6	1	13.1	4.92	38.6	158	85.9	105	200	43
2894	Aberdeen, ID	2Ab09-X05W002-48	2	38.2	96.7	70	82.6	1.6	1	9.8	4.02	44.5	95	76.5	242	147	39
2895		HARRINGTON MALT CHECK		38.8	96.6	79	82.8	2.2	1	11.0	5.22	49.4	94	92.0	120	219	49
2896	Aberdeen, ID	2Ab09-X05W002-82	2	39.3	93.9	72	83.0	1.9	1	10.2	4.52	46.8	116	86.3	68	178	54
2897	Aberdeen, ID	2Ab09-X05W002-90	2	44.4	98.8	69	83.7	2.0	1	10.7	5.02	51.7	128	94.8	53	203	60
2898	Aberdeen, ID	2Ab09-X05W002-102	2	37.4	94.2	76	84.0	1.7	1	9.2	4.24	47.9	106	91.1	51	180	43
2899	Aberdeen, ID	2Ab09-X05W006-61	2	40.2	97.1	66	83.0	1.7	1	11.6	5.06	47.1	136	94.3	58	218	64
2900	Aberdeen, ID	2Ab09-X05W018-21	2	36.2	93.4	68	78.5	1.7	1	14.2	5.18	37.1	160	83.4	152	194	37
2901	Aberdeen, ID	2Ab09-X05W018-24	2	35.9	91.8	75	81.3	1.6	1	9.9	4.23	43.0	103	96.9	122	164	44
2902	Aberdeen, ID	2Ab09-X05W018-70	2	35.2	88.9	75	80.7	1.5	1	10.9	4.41	40.9	121	83.1	90	159	50
2903	Aberdeen, ID	2Ab09-X05W018-119	2	35.8	92.1	82	81.2	1.6	1	10.4	4.10	42.0	111	86.7	131	154	44
2904	Aberdeen, ID	2Ab09-X05W077-113	2	36.5	95.6	62	81.6	1.6	1	10.9	4.56	45.1	119	71.7	61	166	52
2905	Aberdeen, ID	2Ab09-X04W040-1	2	35.0	97.3	71	82.7	1.7	1	9.3	4.04	47.8	101	88.3	48	151	43
2906	Aberdeen, ID	2Ab09-X04W040-18	2	34.3	93.8	68	82.4	1.7	1	8.9	4.20	49.7	67	89.5	52	161	39
2907	Aberdeen, ID	2Ab09-X04W035-2	2	33.0	90.5	74	83.0	1.7	1	9.6	4.02	43.8	124	81.7	105	149	47
2908	Aberdeen, ID	2Ab09-X04W035-29	2	36.5	96.9	73	83.2	1.7	1	9.4	4.08	48.3	90	83.0	148	157	35
2909	Filer, ID	Endeavor	2	43.7	95.9	76	80.2	1.7	1	11.6	4.81	42.2	139	89.7	127	186	61
2910	Filer, ID	Charles	2	47.5	96.1	72	79.5	2.0	1	13.1	5.00	39.3	127	75.8	261	199	50
2911	Filer, ID	2Ab09-X04W035-4	2	45.2	94.5	80	82.0	1.6	1	10.4	4.41	43.5	126	82.1	84	165	60
2912	Filer, ID	2Ab09-X04W035-14	2	41.2	90.9	77	81.4	1.5	1	11.2	4.05	39.5	136	68.1	145	151	51
2913	Filer, ID	2Ab09-X04W035-83	2	40.9	95.5	73	81.0	1.6	1	11.2	4.37	41.3	151	78.2	180	161	50
2914	Filer, ID	2Ab09-X04W035-89	2	42.5	91.7	79	81.7	1.5	1	10.3	4.14	43.5	141	71.9	119	156	52
2915	Filer, ID	2Ab09-X04W035-98	2	40.9	91.9	78	81.5	1.6	1	10.0	4.16	43.1	139	72.4	98	158	55
2916	Filer, ID	2Ab09-X04W035-104	2	43.1	91.8	75	80.5	1.5	1	11.1	4.36	42.8	126	78.7	266	163	51
2917	Filer, ID	2Ab09-X04W035-110	2	38.6	88.4	80	82.0	1.7	1	9.3	3.86	43.0	94	68.4	164	134	34
2918		HARRINGTON MALT CHECK		39.7	96.6	77	82.3	1.7	1	11.8	4.86	45.2	117	91.2	73	194	64
2919	Filer, ID	2Ab09-X04W035-147	2	40.7	89.4	78	80.7	1.4	1	11.2	4.26	38.9	145	71.2	199	158	43
2920	Filer, ID	2Ab09-X04W039-31	2	43.9	94.9	69	78.8	2.0	1	13.6	5.42	40.0	139	96.8	100	206	50
2921	Filer, ID	2Ab09-X04W039-67	2	49.8	94.3	59	79.0	1.7	1	13.5	5.05	39.5	148	79.8	364	182	40
2922	Filer, ID	2Ab09-X04W039-74	2	50.0	97.6	72	79.6	2.1	1	12.4	5.41	45.7	147	93.3	183	206	60
2923	Filer, ID	2Ab09-X05W002-10	2	49.3	97	78	81.9	1.9	1	10.9	4.55	44.3	131	70.9	61	170	60
2924		HARRINGTON MALT CHECK		39.8	96.9	79	81.9	1.6	1	11.4	4.73	44.5	129	91.3	94	186	50
2925	Filer, ID	2Ab09-X05W002-48	2	48.4	97.6	76	81.2	1.6	1	10.7	4.29	42.1	126	69.0	371	154	49
2926	Filer, ID	2Ab09-X05W002-82	2	49.5	97.5	79	82.2	1.9	1	11.1	4.66	44.0	125	73.1	84	177	65
2927	Filer, ID	2Ab09-X05W002-90	2	52.1	99	73	82.5	2.5	1	11.6	5.25	47.7	136	74.3	87	198	65
2928	Filer, ID	2Ab09-X05W002-102	2	49.8	97.8	83	82.5	1.7	1	10.7	4.51	44.7	110	67.0	65	165	57
2929	Filer, ID	2Ab09-X05W006-61	2	48.4	96.5	77	82.7	1.6	1	10.9	4.75	46.7	112	78.7	104	187	56
2930	Filer, ID	2Ab09-X05W018-21	2	45.8	96.8	70	79.1	1.8	1	13.4	5.22	40.3	119	78.3	228	189	47
2931	Filer, ID	2Ab09-X05W018-24	2	46.8	96.9	79	80.6	1.6	1	11.5	4.77	41.7	103	87.4	199	173	52
2932	Filer, ID	2Ab09-X05W018-70	2	47.3	95	77	80.4	1.5	1	11.4	4.49	40.5	123	79.0	148	162	58
2933	Filer, ID	2Ab09-X05W018-119	2	45.3	95.6	83	81.7	1.5	1	10.9	4.75	45.2	121	87.1	69	184	63
2934	Filer, ID	2Ab09-X05W077-113	2	45.8	95.9	74	81.4	1.4	1	11.3	4.61	42.1	129	70.0	64	173	65
2935	Filer, ID	2Ab09-X04W040-1	2	46.6	98.3	79	81.1	1.4	1	11.0	4.68	45.0	141	83.6	69	175	60
2936	Filer, ID	2Ab09-X04W040-18	2	45.9	97.7	76	80.7	1.4	1	11.0	4.93	46.7	86	90.0	62	189	58
2937	Filer, ID	2Ab09-X04W035-2	2	43.5	95.7	75	81.8	1.3	1	10.2	4.21	42.6	164	87.5	123	157	52
2938	Filer, ID	2Ab09-X04W035-29	2	45.0	96.6	77	81.3	1.4	1	11.7	4.54	40.6	129	83.1	263	177	58
2939	Bozeman MT	MT090188	2	45.7	99	76	78.7	1.5	1	11.7	4.17	37.2	151	61.7	175	144	43
2940	Bozeman MT	MT020155	2	43.3	96.8	72	78.6	1.6	1	13.7	4.77	35.3	146	81.8	326	185	40

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2941	Bozeman MT	MT970116	2	47.7	98.8	74	78.6	1.5	1	13.8	4.35	33.5	152	65.5	196	137	33
2942	Bozeman MT	MT090227	2	44.4	98.3	71	79.3	1.4	1	12.2	4.01	34.4	126	56.6	134	120	46
2943	Bozeman MT	MT080281	2	43.2	98.2	71	79.4	1.9	1	13.0	4.76	37.0	108	81.8	203	181	47
2944	Bozeman MT	MT960101	2	44.0	98.3	79	80.1	1.7	1	12.8	4.82	38.6	142	99.3	96	165	57
2945	Bozeman MT	MT090202	2	45.5	98.9	74	79.5	1.5	1	12.2	4.16	35.5	161	59.7	182	144	46
2946	Bozeman MT	MT090183	2	44.7	98.7	77	79.4	1.4	1	11.9	3.83	33.0	172	59.6	203	122	40
2947	Bozeman MT	MT061201	2	43.2	96.9	77	77.9	1.6	1	13.9	4.57	34.1	168	51.6	206	145	33
2948	Bozeman MT	MT020162	2	45.2	97.4	67	80.2	1.7	1	13.6	4.94	39.1	124	66.7	373	182	43
2949	Bozeman MT	MT090192	2	43.9	98.4	72	78.4	1.5	1	11.8	3.86	34.8	153	51.1	288	116	40
2950	Bozeman MT	MT030042	2	43.8	97.7	71	81.0	1.9	1	12.3	4.93	41.3	122	94.2	203	190	61
2951	Bozeman MT	TR232	2	43.0	97.9	78	80.3	2.0	1	14.2	5.57	41.0	171	113.0	91	216	57
2952	Bozeman MT	MT061104	2	42.6	98.4	72	79.5	1.7	1	13.1	4.98	39.9	124	99.5	362	198	50
2953		HARRINGTON MALT CHECK		40.3	96.8	75	82.5	1.7	1	11.8	5.01	46.4	121	99.1	75	180	58
2954	Bozeman MT	EM090117	2	44.8	98.8	66	76.8	1.6	2	13.6	4.28	32.2	143	50.6	288	142	28
2955	Bozeman MT	MT090229	2	46.2	98.7	72	79.6	1.4	1	11.5	3.82	35.1	128	55.8	238	118	43
2956	Bozeman MT	MT080085	2	41.9	96.4	75	77.7	1.4	1	12.5	3.88	31.5	135	52.3	346	117	35
2957	Bozeman MT	MT070148	2	43.9	99.3	69	78.1	1.3	1	13.4	3.47	27.4	126	54.9	694	105	35
2958	Bozeman MT	MT070111	2	43.3	98.3	75	79.8	1.7	1	13.2	4.86	37.5	127	90.9	181	172	45
2959	Bozeman MT	SCARLETT	2	42.9	98.7	70	79.5	n.d.	3	14.0	4.51	32.9	133	76.2	328	147	38
2960	Bozeman MT	EM090105	2	41.6	98.2	66	81.8	2.3	1	13.3	5.72	46.5	150	118.3	67	213	60
2961	Bozeman MT	MT080081	2	45.9	98.8	67	78.8	1.5	1	13.7	4.19	32.2	150	53.4	277	139	33
2962	Bozeman MT	MT070174	2	45.7	99.2	72	79.1	1.6	1	12.2	4.40	37.8	143	60.7	142	157	46
2963	Bozeman MT	MT080285	2	43.1	97.2	69	79.2	2.1	2	13.4	4.95	38.3	91	81.7	236	189	37
2964	Bozeman MT	MT090191	2	43.3	98.4	75	78.7	1.6	1	11.5	4.00	37.7	149	54.6	216	131	43
2965	Bozeman MT	MT090190	2	44.7	98.9	74	79.6	1.5	1	11.4	4.03	36.5	146	59.3	157	123	46
2966	Bozeman MT	PI643354	2	47.3	99	76	78.6	n.d.	3	12.2	4.00	33.2	106	50.3	436	129	35
2967	Bozeman MT	MT070125	2	46.1	98.6	76	80.0	1.7	1	13.2	4.90	38.7	128	75.0	377	177	45
2968	Bozeman MT	MT070161	2	43.4	98.6	68	78.8	2.3	2	13.6	4.78	37.8	108	77.0	416	174	33
2969	Bozeman MT	MT090193	2	44.4	98.5	75	78.7	1.4	1	11.7	3.89	34.4	165	53.3	270	115	40
2970	Bozeman MT	MT070159	2	41.6	97.9	69	79.1	2.0	2	12.7	4.67	37.3	106	77.6	439	165	42
2971	Bozeman MT	MT080083	2	44.2	98	66	78.6	1.5	1	13.2	4.14	32.0	167	53.7	161	145	38
2972	Bozeman MT	6B952482	2	37.5	97.6	81	77.6	n.d.	3	13.8	4.62	35.3	208	73.8	236	159	26
2973	Bozeman MT	EM090128	2	46.2	98.8	70	79.5	1.5	1	12.7	4.16	33.6	133	83.9	270	137	46
2974	Bozeman MT	MT950186	2	43.9	98.5	65	77.1	n.d.	3	13.8	3.75	28.2	83	57.5	392	106	17
2975	Bozeman MT	MT061035	2	44.6	98.6	75	75.6	n.d.	3	13.4	3.53	26.4	119	50.8	399	94	26
2976	Bozeman MT	MT090180	2	45.1	98.6	76	79.4	1.5	1	11.2	3.75	33.9	162	56.0	230	113	43
2977	Bozeman MT	MT090184	2	43.8	98.5	76	78.8	1.6	1	11.4	3.83	35.9	160	58.1	247	124	40
2978	Bozeman MT	MT070158	2	44.0	97.9	70	79.2	1.9	1	13.2	4.72	37.9	110	74.9	378	187	42
2979	Bozeman MT	PI568246	2	43.6	98.3	70	76.7	n.d.	3	12.7	3.50	28.6	104	48.4	454	94	28
2980	Bozeman MT	MT090182	2	42.4	98.5	76	78.4	1.6	1	11.6	3.55	33.3	152	52.1	357	103	40
2981	Bozeman MT	MT910189	2	44.5	97.5	80	81.2	1.9	1	12.1	4.92	42.6	141	95.7	206	182	61
2982		HARRINGTON MALT CHECK		40.5	95.6	76	82.3	1.6	1	12.0	4.84	43.5	141	102.4	84	191	64
2983	Bozeman MT	SK 76333	2	42.2	97.3	75	80.7	1.5	1	12.4	4.78	40.0	151	93.7	260	185	58
2984	Bozeman MT	EM090081	2	45.0	98.4	73	79.0	1.6	1	13.6	4.31	32.8	186	71.7	274	133	33
2985	Bozeman MT	MT090186	2	44.5	98.7	73	79.4	1.5	1	11.0	3.89	37.2	153	55.5	268	130	38
2986	Bozeman MT	MT061169	2	44.0	98.1	72	80.4	1.7	1	12.9	4.92	38.5	148	93.1	143	188	56
2987	Bozeman MT	MT080279	2	42.2	97.6	67	80.1	1.7	1	12.8	4.63	37.6	108	83.9	250	185	50
2988	Bozeman MT	MT090169	2	43.2	98	74	81.3	1.8	1	10.6	4.55	44.1	91	82.8	221	175	46
2989	Bozeman MT	MT080243	2	44.3	98	77	81.5	1.8	1	12.3	4.90	41.9	124	91.8	196	168	58

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
2990	Bozeman MT	MT070175	2	45.3	98.8	73	80.0	1.4	1	11.5	3.83	35.2	120	59.5	201	125	40
2991	Bozeman MT	COPELAND	2	47.0	98.8	77	80.8	1.6	1	13.0	4.63	37.8	117	72.9	191	156	47
2992	Bozeman MT	MT080100	2	36.8	96.5	0	74.6	2.3	1	15.8	4.30	27.9	102	56.7	1785	147	21
2993	Bozeman MT	MT090194	2	45.9	99	80	80.2	1.5	1	11.8	4.00	37.0	150	58.4	241	138	46
2994	Bozeman MT	MT061134	2	46.0	98.7	68	79.6	1.8	1	13.5	5.02	37.3	147	83.4	258	188	43
2995	Bozeman MT	MT080261	2	42.8	97.7	72	79.3	1.4	1	13.2	4.66	37.3	133	62.5	466	190	47
2996	Bozeman MT	MT010160	2	43.4	97.4	77	80.5	1.5	1	13.5	5.24	40.4	158	71.7	389	197	50
2997	Bozeman MT	MT090176	2	43.9	97.9	75	78.3	1.5	1	11.3	3.57	32.6	133	48.8	367	101	37
2998	Bozeman MT	MT070136	2	44.9	98.5	72	79.4	1.5	1	14.3	5.18	37.4	198	73.5	376	192	42
2999	Bozeman MT	MT090178	2	44.7	99.1	73	78.8	1.5	1	12.1	4.07	34.7	163	58.7	276	137	43
3000	Bozeman MT	YU501385	2	44.7	97.9	80	77.2	1.1	1	13.9	3.76	28.1	103	49.0	587	116	20
3001	Bozeman MT	2B965057	2	42.9	98.2	72	78.3	1.5	1	14.4	5.23	38.0	171	93.6	222	195	42
3002	Bozeman MT	MT090181	2	45.9	98.6	74	79.6	1.3	1	11.9	4.29	36.6	156	60.8	217	146	46
3003	Bozeman MT	MT010158	2	45.7	97.7	75	79.3	1.5	1	14.0	4.88	37.2	163	62.0	387	172	37
3004	Bozeman MT	MT070086	2	42.2	96.9	69	77.4	n.d.	3	13.3	3.75	29.5	117	45.3	530	123	23
3005	Bozeman MT	MT960101	2	43.5	97.8	70	79.8	1.4	1	13.6	4.71	36.6	153	96.7	182	171	40
3006	Bozeman MT	MT090191	2	42.8	97.8	70	78.5	1.3	1	12.0	4.05	34.1	179	58.8	197	138	43
3007	Bozeman MT	SK 76333	2	42.2	97.6	73	80.0	1.3	1	13.1	5.11	40.1	171	90.9	286	203	55
3008	Bozeman MT	EM090128	2	48.0	99.2	67	79.6	1.3	1	13.4	4.53	34.5	152	82.7	383	159	45
3009	Bozeman MT	EM090117	2	45.1	98.9	66	77.0	1.2	1	14.9	4.39	31.5	174	53.2	260	165	29
3010	Bozeman MT	MT070086	2	43.2	98	65	76.6	n.d.	3	13.6	3.84	29.0	121	44.4	551	125	21
3011		HARRINGTON MALT CHECK		40.2	96.3	76	82.5	1.5	1	11.5	4.98	46.0	135	93.3	73	205	58
3012	Bozeman MT	MT080285	2	44.7	98.4	65	78.3	1.9	1	14.3	5.10	37.3	114	81.9	340	215	39
3013	Bozeman MT	MT080100	2	37.7	97.6	0	75.4	2.0	1	16.2	4.46	28.0	103	58.3	1916	158	25
3014	Bozeman MT	MT090183	2	42.4	98.1	76	79.1	1.4	1	12.2	3.96	34.5	167	61.1	208	128	40
3015	Bozeman MT	MT061201	2	43.6	99	78	77.7	1.5	1	14.1	4.48	32.4	165	52.6	258	155	33
3016	Bozeman MT	MT070136	2	45.2	98.3	75	79.2	1.9	1	14.4	5.55	38.6	214	79.1	319	225	42
3017	Bozeman MT	PI643354	2	47.3	99	74	78.2	2.0	2	12.6	4.17	33.7	130	50.0	409	145	39
3018	Bozeman MT	MT061035	2	45.2	98.3	72	75.2	n.d.	3	13.8	3.54	26.7	118	46.9	551	106	18
3019	Bozeman MT	MT090186	2	45.4	98.2	70	78.2	1.5	1	12.0	4.10	35.1	165	55.6	282	141	43
3020	Bozeman MT	MT061134	2	45.9	98	65	79.1	1.8	1	14.2	5.14	36.4	156	85.1	211	195	42
3021	Bozeman MT	MT080085	2	44.5	97.8	76	77.0	1.3	1	13.7	3.83	28.6	157	56.7	469	124	26
3022	Bozeman MT	MT090202	2	45.1	99.3	75	79.1	1.6	1	12.5	4.10	34.4	168	58.8	245	141	43
3023	Bozeman MT	MT090229	2	45.0	98.7	74	79.4	1.4	1	12.0	3.81	33.2	145	62.6	147	121	43
3024	Bozeman MT	MT090176	2	45.1	98.8	75	78.9	1.6	1	12.2	4.25	37.3	165	55.6	182	155	43
3025	Bozeman MT	MT090190	2	44.6	98.9	77	78.6	1.5	1	12.0	3.88	34.6	137	54.6	221	127	40
3026	Bozeman MT	MT950186	2	45.9	98.7	69	77.1	n.d.	3	14.1	3.77	27.5	78	53.4	472	109	17
3027	Bozeman MT	EM090081	2	45.1	97.8	72	78.1	1.6	1	14.0	4.51	32.5	185	67.0	260	143	37
3028	Bozeman MT	MT090194	2	47.1	99.2	77	79.1	1.3	1	12.3	4.08	35.4	174	59.2	198	136	43
3029	Bozeman MT	MT080081	2	45.7	99	66	77.9	1.6	1	14.1	4.28	31.2	156	50.3	267	147	29
3030	Bozeman MT	MT070175	2	46.0	98.9	71	78.7	1.5	1	12.2	4.00	33.8	146	59.4	191	131	43
3031	Bozeman MT	TR232	2	43.1	98.8	77	79.9	2.0	1	14.4	5.57	40.6	179	110.3	73	232	57
3032	Bozeman MT	SCARLETT	2	42.7	99.6	65	79.0	n.d.	3	14.2	4.40	31.2	135	69.9	216	148	35
3033	Bozeman MT	MT090227	2	44.8	98.8	68	78.6	1.5	1	12.4	4.15	34.6	128	58.9	189	131	43
3034	Bozeman MT	MT090182	2	44.2	98.7	79	78.3	1.4	1	12.2	3.85	32.7	161	57.7	241	124	40
3035	Bozeman MT	PI568246	2	45.1	99.1	70	75.1	n.d.	3	13.8	3.64	26.5	104	49.8	399	108	18
3036	Bozeman MT	MT070159	2	44.2	98.2	70	78.2	2.2	2	13.9	4.80	36.8	99	72.1	522	193	34
3037	Bozeman MT	MT090181	2	46.4	99	79	79.4	1.5	1	12.3	4.29	37.1	165	62.8	163	149	46
3038	Bozeman MT	2B965057	2	43.3	99.2	69	77.5	1.7	1	14.8	5.04	34.7	182	95.5	121	192	41

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
3039		HARRINGTON MALT CHECK		41.3	97.2	76	82.2	1.7	1	11.9	4.91	43.2	127	95.6	65	209	63
3040	Bozeman MT	MT090169	2	43.8	98.6	70	80.6	1.7	1	11.4	4.77	44.1	122	90.5	118	195	63
3041	Bozeman MT	EM090105	2	41.1	98.6	67	80.9	2.1	1	13.4	5.80	44.2	182	128.2	49	265	57
3042	Bozeman MT	MT090193	2	44.7	99.2	76	78.5	1.5	1	12.4	4.08	34.2	172	55.2	240	142	43
3043	Bozeman MT	MT070158	2	45.2	98.6	72	78.5	1.9	1	13.8	4.87	37.1	118	72.6	425	197	39
3044	Bozeman MT	MT080243	2	44.6	98.7	72	79.6	1.8	1	14.3	5.45	39.5	178	94.1	159	209	45
3045	Bozeman MT	MT970116	2	46.1	98.3	69	77.9	1.5	1	14.1	4.40	31.3	161	63.8	215	141	29
3046	Bozeman MT	MT030042	2	45.0	97.8	78	80.8	1.8	1	12.5	5.08	42.4	145	107.4	170	205	60
3047	Bozeman MT	COPELAND	2	46.6	99.1	78	79.6	1.5	1	13.6	4.87	38.1	153	83.7	76	179	47
3048	Bozeman MT	MT080083	2	45.7	98.5	66	77.9	1.8	1	14.2	4.24	30.4	173	53.5	187	146	29
3049	Bozeman MT	MT010158	2	46.0	98.2	67	78.8	1.8	1	14.5	5.02	35.7	184	64.4	293	189	40
3050	Bozeman MT	MT080281	2	43.2	98.5	70	79.0	1.7	1	13.6	4.97	37.1	133	80.3	234	197	42
3051	Bozeman MT	6B952482	2	36.1	98.1	83	77.5	2.2	2	14.3	4.76	33.7	222	75.6	224	174	27
3052	Bozeman MT	MT910189	2	46.2	98.3	75	80.4	1.8	1	13.6	5.27	40.7	173	98.3	261	214	50
3053	Bozeman MT	MT070148	2	45.1	99	64	77.2	1.3	1	14.3	3.65	27.0	147	60.5	570	119	26
3054	Bozeman MT	MT061104	2	41.5	99	71	78.7	1.6	1	14.1	4.99	36.9	156	106.3	303	210	41
3055	Bozeman MT	MT090188	2	45.1	99.1	78	78.7	1.7	1	12.4	4.16	34.1	191	75.7	119	149	46
3056	Bozeman MT	MT020162	2	44.2	97.3	70	79.2	1.7	1	14.0	4.86	35.8	156	80.0	256	190	40
3057	Bozeman MT	MT090178	2	44.3	98.7	77	78.9	1.5	1	12.3	4.20	35.8	179	68.3	178	159	43
3058	Bozeman MT	MT070125	2	46.3	98.3	76	79.2	1.6	1	14.4	4.81	34.4	168	76.4	398	191	42
3059	Bozeman MT	MT090180	2	43.9	98.8	76	78.3	1.5	1	12.5	3.90	32.3	167	57.6	265	132	40
3060	Bozeman MT	MT061169	2	47.2	98.7	71	79.3	1.7	1	14.6	5.30	36.5	181	105.6	121	223	45
3061	Bozeman MT	MT080261	2	43.1	97.1	69	78.9	1.4	1	14.1	4.61	34.3	163	69.1	428	198	42
3062	Bozeman MT	MT070111	2	44.5	98.6	75	79.3	1.8	1	13.6	4.86	36.4	146	101.9	221	195	42
3063	Bozeman MT	MT020155	2	41.3	96.1	72	78.5	1.5	1	13.9	4.77	37.1	148	83.5	376	194	41
3064	Bozeman MT	MT090192	2	42.8	98.8	74	78.3	1.6	1	11.8	3.95	34.8	168	62.3	246	137	40
3065	Bozeman MT	YU501385	2	44.9	98.2	76	76.9	1.4	1	14.3	3.97	29.0	118	57.2	502	129	23
3066	Bozeman MT	MT070161	2	44.4	98.5	73	78.7	2.1	1	14.0	4.99	36.2	123	85.4	392	208	42
3067	Bozeman MT	MT090184	2	44.8	98.6	72	78.6	1.4	1	12.5	4.15	35.2	168	64.1	203	155	43
3068		HARRINGTON MALT CHECK		40.9	96.2	74	81.9	1.7	1	11.6	5.03	47.4	133	103.8	96	194	56
3069	Bozeman MT	MT080279	2	42.7	97.3	68	79.3	1.8	1	13.1	4.95	38.3	116	94.8	301	180	39
3070	Bozeman MT	MT010160	2	42.3	97.1	75	79.8	1.7	1	14.0	5.27	38.4	166	74.1	372	194	45
3071	Bozeman MT	MT070174	2	46.9	99.4	73	79.5	1.5	1	12.2	4.27	35.7	155	68.0	154	142	46
3072	Bozeman MT	TR232	2	41.1	97.2	78	78.9	2.1	1	14.8	5.59	40.1	195	121.7	60	228	53
3073	Bozeman MT	MT090181	2	43.5	98.8	78	79.0	2.0	1	13.2	4.51	36.7	178	76.6	112	154	45
3074	Bozeman MT	SCARLETT	2	35.9	95.8	79	77.3	n.d.	3	14.4	3.88	28.2	124	66.1	435	102	19
3075	Bozeman MT	PI568246	2	41.3	96.5	73	74.7	n.d.	3	14.2	3.62	25.5	123	46.0	225	105	20
3076	Bozeman MT	MT061035	2	42.9	97.2	78	74.8	n.d.	3	14.2	3.57	25.3	134	46.9	256	96	21
3077	Bozeman MT	MT070174	2	43.2	98.3	78	79.4	2.2	1	13.4	4.85	37.9	165	74.5	70	166	49
3078	Bozeman MT	MT090184	2	42.3	96.9	72	78.0	1.6	1	13.1	4.15	33.9	187	69.5	129	139	41
3079	Bozeman MT	EM090117	2	37.5	97.3	74	76.0	1.6	1	14.7	3.89	27.8	169	46.8	159	128	18
3080	Bozeman MT	MT090194	2	43.7	98.1	75	78.6	1.8	1	13.4	4.36	33.3	204	67.2	108	155	41
3081	Bozeman MT	MT950186	2	41.9	96.2	76	76.3	n.d.	3	14.9	3.61	25.4	79	49.6	354	109	13
3082	Bozeman MT	EM090081	2	40.8	96.2	71	77.7	1.3	1	14.6	4.38	30.9	201	77.9	160	148	28
3083	Bozeman MT	MT061201	2	40.6	98	72	76.6	1.7	1	14.4	4.20	30.1	171	47.9	150	131	28
3084	Bozeman MT	MT080261	2	41.9	94.9	79	77.8	1.6	1	14.5	4.62	32.9	151	64.4	306	181	35
3085	Bozeman MT	MT010160	2	41.5	94.8	76	79.2	1.7	1	14.6	5.04	36.4	187	76.1	240	217	41
3086	Bozeman MT	MT070111	2	38.6	94.6	83	78.1	1.6	1	14.1	4.66	34.2	135	93.6	203	184	37
3087	Bozeman MT	MT061169	2	40.4	95	88	78.0	1.6	1	14.5	4.90	34.2	189	98.2	62	177	43

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
3088	Bozeman MT	MT960101	2	39.4	93.1	80	77.5	1.4	1	14.4	4.35	31.2	178	107.2	127	167	29
3089	Bozeman MT	MT970116	2	43.6	97.8	83	77.1	1.5	1	14.8	4.37	30.9	180	74.0	142	150	32
3090	Bozeman MT	MT090190	2	42.6	98.7	75	79.0	1.8	1	12.5	4.38	36.2	189	75.1	77	173	50
3091	Bozeman MT	COPELAND	2	40.6	95.7	84	78.5	1.4	1	13.7	4.71	35.6	170	81.9	101	184	42
3092	Bozeman MT	MT070175	2	45.7	98.4	72	78.9	1.4	1	13.3	4.14	32.2	162	77.8	89	137	45
3093	Bozeman MT	MT090178	2	42.5	98.1	75	78.8	1.7	1	13.0	4.35	34.7	189	73.5	97	171	45
3094	Bozeman MT	MT090229	2	44.6	97.3	74	78.1	1.3	1	12.8	3.81	30.1	162	68.0	122	127	43
3095	Bozeman MT	MT090191	2	42.9	98.4	77	78.3	1.7	1	13.2	4.19	33.4	175	64.7	102	163	41
3096	Bozeman MT	MT070125	2	44.9	97.7	79	78.5	1.5	1	14.6	4.74	34.6	168	74.6	197	201	42
3097		HARRINGTON MALT CHECK		40.1	96.6	76	82.3	1.5	1	11.1	5.00	49.2	126	102.5	85	213	53
3098	Bozeman MT	MT070158	2	42.0	98.3	76	78.2	2.1	2	14.4	4.85	35.6	131	91.4	256	212	41
3099	Bozeman MT	MT070086	2	36.5	96.3	80	76.4	n.d.	3	13.2	3.75	28.6	106	47.9	316	131	18
3100	Bozeman MT	EM090105	2	36.4	96.3	73	79.9	2.4	1	14.1	5.72	43.3	155	129.3	48	287	48
3101	Bozeman MT	MT070136	2	41.6	95.9	83	78.9	1.7	1	14.9	5.23	36.7	259	86.7	217	226	41
3102	Bozeman MT	MT080100	2	32.7	92.6	0	77.1	1.6	1	15.8	4.35	27.8	107	58.3	1215	168	21
3103	Bozeman MT	MT090202	2	40.5	95.9	81	77.4	1.3	1	13.6	3.89	29.2	184	59.1	393	141	25
3104	Bozeman MT	MT080085	2	40.1	93.3	80	75.7	1.3	1	14.1	3.61	25.8	153	50.7	727	116	25
3105	Bozeman MT	MT090193	2	43.4	98.4	75	78.6	1.8	1	13.3	4.32	34.5	180	69.5	143	161	41
3106	Bozeman MT	MT061104	2	38.8	98.3	70	77.8	1.4	1	14.5	4.75	34.2	151	97.2	456	207	35
3107	Bozeman MT	MT090227	2	42.8	97.2	73	78.0	1.3	1	13.1	4.10	31.6	138	68.9	135	140	37
3108	Bozeman MT	MT010158	2	43.5	97.4	69	78.1	1.5	1	14.1	5.11	37.3	206	67.3	194	200	42
3109	Bozeman MT	MT080243	2	36.5	92.2	87	77.8	1.5	1	14.1	4.86	35.6	166	91.3	187	187	31
3110	Bozeman MT	MT070161	2	41.0	96.9	82	77.4	n.d.	3	14.1	4.65	34.1	137	78.7	275	191	35
3111	Bozeman MT	6B952482	2	30.9	84.9	86	76.3	n.d.	3	14.5	4.38	31.3	220	67.8	151	160	17
3112	Bozeman MT	YU501385	2	41.9	96.2	82	76.1	1.2	1	14.3	3.67	25.9	126	48.3	572	119	22
3113	Bozeman MT	MT910189	2	45.4	97.8	83	79.2	1.6	1	14.4	5.43	39.0	205	101.0	173	217	42
3114	Bozeman MT	MT080083	2	38.3	95.8	73	76.1	n.d.	3	14.4	3.83	27.1	158	43.5	315	135	18
3115	Bozeman MT	2B965057	2	39.0	97.1	76	77.6	1.3	1	14.9	5.00	34.1	208	101.3	141	210	38
3116	Bozeman MT	MT080281	2	39.9	96.9	75	78.6	n.d.	3	13.5	4.71	36.7	128	94.0	194	192	42
3117	Bozeman MT	SK 76333	2	38.7	95.3	83	78.0	1.2	1	14.1	4.97	36.5	182	90.1	198	201	39
3118	Bozeman MT	MT090183	2	41.3	96	80	77.4	1.2	1	13.1	3.98	30.9	194	68.2	181	127	30
3119	Bozeman MT	MT030042	2	38.7	88.7	83	79.0	1.3	1	13.6	4.67	34.3	149	98.3	272	183	35
3120	Bozeman MT	MT090186	2	42.9	97.1	78	77.9	1.7	1	12.8	4.45	35.7	174	70.6	161	158	43
3121	Bozeman MT	MT020162	2	43.8	96.8	73	79.4	1.8	1	14.3	5.06	36.7	144	72.0	189	194	42
3122	Bozeman MT	MT080081	2	37.7	95.8	71	76.3	1.8	2	14.2	3.88	28.1	146	45.9	332	125	17
3123	Bozeman MT	MT090180	2	43.1	98.4	79	79.0	1.5	1	12.7	4.12	34.0	172	64.5	131	130	46
3124	Bozeman MT	MT070148	2	41.6	98.8	70	75.9	1.3	1	14.1	3.41	25.2	137	55.6	650	99	25
3125	Bozeman MT	MT090182	2	43.0	98.2	78	78.6	1.5	1	12.5	4.11	33.9	189	67.0	187	139	43
3126	Bozeman MT	PI643354	2	44.6	98.8	74	78.7	1.8	2	12.7	4.12	32.7	148	58.8	204	138	42
3127	Bozeman MT	MT090192	2	41.5	97.4	77	78.6	1.7	1	12.8	4.23	33.7	189	71.3	149	144	45
3128		HARRINGTON MALT CHECK		40.4	97.4	74	82.6	1.6	1	11.5	5.03	46.9	130	108.5	89	193	61
3129	Bozeman MT	MT080285	2	39.0	97.1	81	77.3	1.7	1	14.5	4.55	33.2	132	93.9	172	157	30
3130	Bozeman MT	MT090169	2	43.0	97.4	74	80.6	1.8	1	12.0	4.91	43.1	138	106.7	86	194	67
3131	Bozeman MT	MT020155	2	41.1	97.6	76	77.9	1.8	1	14.4	5.34	38.0	159	95.2	248	221	37
3132	Bozeman MT	MT061134	2	41.7	97.5	64	77.9	1.6	1	14.3	4.68	33.6	159	88.7	327	163	32
3133	Bozeman MT	EM090128	2	41.2	94.7	70	78.2	1.4	1	13.8	4.06	31.5	150	93.4	302	116	32
3134	Bozeman MT	MT070159	2	41.9	98.2	73	77.4	2.2	2	14.6	4.27	31.3	127	79.9	541	165	27
3135	Bozeman MT	MT090188	2	43.2	98.6	73	78.9	1.7	1	13.1	4.47	36.4	180	72.6	109	156	45
3136	Bozeman MT	MT080279	2	39.1	95.6	82	77.8	2.2	2	13.8	4.47	33.4	120	83.1	241	149	29

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3137	Bozeman MT	MT090176	2	42.4	96.5	75	78.0	1.5	2	13.0	3.73	30.2	162	60.7	234	103	30
3138	Bozeman MT	MT070125	2	44.6	98.1	79	78.3	1.4	1	14.1	4.56	34.1	161	73.4	324	161	37
3139	Bozeman MT	MT070174	2	45.0	99.2	72	79.4	1.8	1	13.1	4.60	37.3	161	74.6	123	167	48
3140	Bozeman MT	MT090182	2	42.0	97.6	78	78.8	1.6	1	12.5	4.08	34.2	169	63.0	141	134	45
3141	Bozeman MT	MT061201	2	40.0	98.2	80	77.1	1.5	2	14.1	4.13	30.3	166	49.3	171	131	22
3142	Bozeman MT	MT080243	2	41.1	96.3	78	78.5	1.6	1	13.6	4.73	35.6	167	95.8	115	158	39
3143	Bozeman MT	MT960101	2	38.5	89.4	82	77.1	1.4	1	14.1	4.17	30.9	149	90.8	195	143	24
3144	Bozeman MT	MT080279	2	39.3	96.9	78	77.4	1.7	2	13.8	4.49	33.6	124	82.7	201	164	29
3145	Bozeman MT	2B965057	2	38.3	96.6	73	76.6	1.4	1	15.4	4.92	32.6	197	96.7	137	167	33
3146	Bozeman MT	MT080085	2	41.6	96.1	78	76.2	1.3	1	13.5	3.67	28.2	153	50.3	461	110	25
3147	Bozeman MT	MT090184	2	43.7	98.3	75	78.5	1.5	1	12.4	4.16	34.8	161	59.0	184	142	43
3148	Bozeman MT	MT080285	2	40.9	98	78	78.4	1.9	1	13.8	4.58	33.7	131	83.2	125	155	39
3149	Bozeman MT	MT080261	2	40.8	96.2	72	78.0	1.4	1	13.9	4.42	33.2	144	57.3	407	155	36
3150	Bozeman MT	MT010158	2	43.9	96.9	66	77.3	1.6	1	14.9	4.87	33.3	189	62.9	265	178	33
3151	Bozeman MT	MT090229	2	45.5	98.1	70	77.9	1.3	1	12.9	3.79	30.6	147	60.4	155	111	36
3152	Bozeman MT	MT090188	2	43.2	98.2	77	78.1	1.5	1	12.5	4.17	34.7	179	64.3	128	136	46
3153	Bozeman MT	MT090186	2	42.6	96.9	77	77.4	1.5	1	12.5	4.01	32.4	167	58.7	183	118	39
3154	Bozeman MT	MT090202	2	43.8	98.6	77	78.5	1.7	1	12.8	4.15	33.1	173	60.3	170	142	43
3155	Bozeman MT	EM090117	2	38.4	97.2	76	75.5	1.6	2	14.5	3.70	26.7	152	43.6	164	107	19
3156	Bozeman MT	MT090180	2	43.1	97.9	75	78.3	1.7	1	12.4	3.95	32.2	160	55.0	141	123	43
3157	Bozeman MT	EM090081	2	39.6	94.6	74	77.5	1.5	1	14.4	4.27	31.3	168	69.2	217	138	26
3158		HARRINGTON MALT CHECK		40.2	96.2	76	82.2	1.9	1	11.8	5.01	45.7	115	95.8	72	209	59
3159	Bozeman MT	MT090227	2	43.2	97.6	73	77.8	1.6	1	12.6	3.91	31.3	121	56.1	152	127	36
3160	Bozeman MT	MT970116	2	43.0	97.3	73	77.1	1.4	1	14.6	4.21	29.5	175	65.2	172	147	29
3161	Bozeman MT	MT070159	2	39.5	97.3	78	77.0	n.d.	3	14.3	4.46	33.3	132	76.3	342	188	31
3162	Bozeman MT	MT080281	6	37.7	95	84	77.5	2.2	2	13.8	4.52	33.0	130	85.2	165	189	30
3163	Bozeman MT	MT070175	2	45.0	97.2	73	78.1	1.5	1	13.5	3.94	30.2	154	58.4	147	136	33
3164	Bozeman MT	MT070111	2	39.0	95.7	85	77.9	1.5	1	13.8	4.32	31.8	131	80.1	233	155	26
3165	Bozeman MT	MT090193	2	43.2	97.9	77	78.4	1.5	1	12.5	3.98	31.8	174	60.2	140	148	43
3166	Bozeman MT	MT090183	2	42.6	97.6	79	78.1	1.4	1	12.5	3.80	31.5	174	57.6	138	114	43
3167	Bozeman MT	MT061035	2	41.0	95.6	81	74.1	n.d.	3	14.2	3.49	25.7	115	44.9	334	108	17
3168	Bozeman MT	MT070136	2	42.1	95.1	72	78.9	1.7	1	14.2	4.76	35.0	141	66.8	169	172	37
3169	Bozeman MT	MT020162	2	41.1	96.4	80	79.0	1.6	1	14.4	5.06	36.1	205	72.3	244	216	41
3170	Bozeman MT	MT061134	2	41.6	96.3	66	77.0	1.6	1	14.1	4.68	33.3	151	86.5	167	173	32
3171	Bozeman MT	COPELAND	2	39.3	91.7	85	76.8	1.5	1	14.9	4.62	32.3	154	73.9	153	181	33
3172	Bozeman MT	YU501385	2	44.3	97.5	80	77.1	1.4	1	13.8	3.85	28.7	117	56.0	294	142	23
3173	Bozeman MT	MT090181	2	44.2	98.3	76	78.9	1.6	1	12.6	4.27	34.7	192	68.0	103	177	46
3174	Bozeman MT	MT020155	2	41.2	96.5	74	77.5	1.5	1	13.6	4.77	35.6	168	87.2	222	216	37
3175	Bozeman MT	MT950186	2	42.2	96.4	68	76.4	n.d.	3	13.7	3.65	26.7	75	46.5	306	110	14
3176	Bozeman MT	MT090192	2	40.1	96.2	79	77.6	1.3	1	13.0	3.82	31.1	197	60.0	166	136	30
3177	Bozeman MT	SK 76333	2	38.0	95.2	80	78.1	1.3	1	13.9	4.69	34.0	186	78.5	199	184	35
3178	Bozeman MT	EM090105	2	35.2	94.2	71	78.9	1.9	1	14.1	5.56	41.6	174	120.2	56	238	49
3179	Bozeman MT	PI643354	2	46.6	98.1	71	77.8	1.8	2	13.0	3.97	31.4	154	57.1	161	143	30
3180	Bozeman MT	MT070158	2	42.1	97.5	77	77.0	n.d.	3	14.0	4.54	32.6	137	75.7	256	186	34
3181	Bozeman MT	MT090176	2	41.5	96.2	79	77.7	1.4	1	12.2	3.74	30.8	164	54.7	185	111	35
3182	Bozeman MT	MT090191	2	41.8	96.8	75	77.5	1.4	1	12.7	4.03	32.9	186	59.2	131	132	41
3183	Bozeman MT	MT010160	2	39.9	95.3	84	78.4	1.3	1	14.1	4.66	35.2	195	67.5	221	192	39
3184	Bozeman MT	PI568246	2	37.9	92.9	80	73.1	n.d.	3	14.2	3.58	26.7	117	43.4	324	117	13
3185	Bozeman MT	MT070161	2	41.5	96.6	83	77.0	n.d.	3	14.3	4.51	33.0	147	75.6	265	190	33

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3186	Bozeman MT	MT080083	6	37.2	95.2	74	75.4	n.d.	3	14.2	3.83	27.0	165	43.0	227	130	21
3187		HARRINGTON MALT CHECK		40.5	97.2	79	82.1	1.6	1	11.4	5.09	48.5	131	100.5	95	230	53
3188	Bozeman MT	MT061169	2	40.4	96	76	77.4	1.5	1	14.3	4.87	34.8	189	96.4	74	189	42
3189	Bozeman MT	MT080100	2	33.3	94.6	0	76.8	1.6	1	15.8	4.34	27.5	103	53.6	1321	142	21
3190	Bozeman MT	MT061104	2	38.4	98.6	71	77.9	1.6	1	14.4	5.18	37.0	157	103.0	242	198	35
3191	Bozeman MT	EM090128	2	39.5	92.6	74	77.5	1.3	1	13.5	3.73	28.3	147	74.3	285	117	23
3192	Bozeman MT	MT910189	2	44.3	97.9	82	78.9	1.6	1	14.0	4.86	36.2	198	95.0	164	189	40
3193	Bozeman MT	MT080081	6	38.5	96	72	76.6	n.d.	3	13.7	3.79	28.2	142	44.6	255	127	26
3194	Bozeman MT	TR232	2	38.5	96.4	79	79.0	1.9	1	14.2	5.35	38.3	176	102.5	100	225	42
3195	Bozeman MT	MT090178	2	41.6	97.4	82	77.3	1.7	1	13.3	4.15	33.1	178	64.3	143	146	36
3196	Bozeman MT	MT070086	2	38.8	97.3	79	76.3	n.d.	3	13.1	3.75	28.8	108	44.9	430	127	20
3197	Bozeman MT	SCARLETT	2	36.4	96.7	68	77.3	n.d.	3	14.3	3.85	27.7	125	61.8	336	115	19
3198	Bozeman MT	MT070148	2	42.4	99	70	75.5	1.8	1	14.1	3.35	23.8	119	49.6	693	94	20
3199	Bozeman MT	MT090194	2	44.0	98.6	77	79.0	1.7	1	12.2	4.23	35.7	186	70.0	129	150	46
3200	Bozeman MT	6B952482	2	33.7	94	86	76.9	n.d.	3	13.5	4.36	32.4	216	69.8	139	155	25
3201	Bozeman MT	MT090190	2	43.5	98.2	76	78.7	1.8	1	12.4	4.22	35.9	178	67.9	104	147	46
3202	Bozeman MT	MT090169	2	41.3	97.5	76	79.8	2.0	1	12.0	4.67	40.2	138	95.6	99	181	64
3203	Bozeman MT	MT030042	2	41.4	95.7	82	79.5	1.8	1	13.8	4.95	38.4	151	103.3	121	199	47
3204	Bozeman MT	MT100030	2	30.2	44	34	72.2	3.3	2	16.6	6.57	38.2	104	56.4	877	191	17
3205	Bozeman MT	EM090037	2	41.2	98.1	71	80.6	2.1	1	12.9	5.55	44.2	179	112.9	81	236	66
3206	Bozeman MT	MT100130	2	40.0	95.5	77	78.9	1.7	1	12.1	4.01	35.2	154	71.0	133	134	43
3207	Bozeman MT	MT100026	2	33.5	21.2	20	70.2	3.6	2	16.9	6.08	36.1	69	56.8	1197	189	11
3208	Bozeman MT	MT100064	2	41.7	96.4	77	78.8	n.d.	3	11.2	3.44	31.4	99	52.4	249	105	30
3209	Bozeman MT	MT100074	2	41.7	96.9	69	78.6	1.5	1	11.7	3.48	31.1	106	52.0	371	105	36
3210	Bozeman MT	MT100124	2	41.0	95.5	79	78.1	1.6	1	11.8	3.78	32.8	161	58.4	174	122	39
3211	Bozeman MT	EB03 26	2	36.2	95.7	70	77.9	n.d.	3	13.3	3.81	29.6	124	66.4	376	117	24
3212	Bozeman MT	MT100002	2	30.4	44.2	40	63.4	3.5	2	19.5	6.20	30.8	63	58.0	1145	208	13
3213	Bozeman MT	EM090059	2	41.2	96.9	69	78.7	1.4	1	13.0	3.99	31.3	180	81.1	90	136	41
3214	Bozeman MT	MT100051	2	40.9	96.6	72	78.0	n.d.	3	12.1	3.48	29.6	81	61.4	381	107	30
3215	Bozeman MT	MT010158	2	41.5	95.9	68	79.0	1.6	1	13.2	4.56	36.9	192	66.8	175	172	41
3216		HARRINGTON MALT CHECK		40.7	96.5	75	81.9	1.7	1	11.8	4.96	44.3	137	105.8	80	211	63
3217	Bozeman MT	MT100062	2	41.9	94.8	67	77.6	n.d.	3	12.8	3.49	29.3	95	55.8	429	103	26
3218	Bozeman MT	MT100029	2	37.0	63.6	41	80.7	1.6	1	14.8	4.48	30.8	151	52.3	687	136	30
3219	Bozeman MT	MT010160	2	41.8	96.8	77	78.2	1.6	1	12.1	3.96	34.9	161	65.9	176	137	39
3220	Bozeman MT	EM090067	6	37.8	98.1	70	78.4	1.6	1	14.9	4.61	33.0	160	80.8	93	178	40
3221	Bozeman MT	MT100034	2	36.7	80.6	72	74.4	1.4	1	14.9	3.95	27.9	96	53.1	1132	124	9
3222	Bozeman MT	MT100043	2	37.2	72.7	68	71.9	2.0	1	14.7	3.91	28.4	90	38.6	1406	116	2
3223	Bozeman MT	MT910189	2	43.4	96.3	85	79.6	1.7	1	13.7	5.02	38.7	168	96.1	258	204	45
3224	Bozeman MT	MT100003	2	41.6	88.3	47	80.8	1.4	1	15.3	4.31	30.2	88	52.3	1150	133	26
3225	Bozeman MT	EM090160	2	40.3	98	65	79.2	1.8	1	12.4	4.40	35.9	124	78.9	160	173	46
3226	Bozeman MT	MT100126	2	40.6	96.5	77	78.5	1.5	1	12.3	3.97	33.7	160	69.7	199	142	39
3227	Bozeman MT	EM090062	2	38.6	97.6	65	78.6	2.2	2	13.4	3.99	31.6	110	62.8	113	136	31
3228	Bozeman MT	MT100117	2	41.4	97.1	69	80.1	1.9	1	11.8	4.82	41.5	138	108.7	136	194	62
3229	Bozeman MT	EM090035	2	35.7	94.6	73	79.5	2.4	1	14.5	5.95	42.9	191	123.8	110	263	44
3230	Bozeman MT	TR232	2	37.6	95.3	78	79.1	1.9	1	14.2	5.21	38.8	175	111.0	85	216	44
3231	Bozeman MT	EM090100	2	40.1	98.3	67	79.8	2.2	1	14.0	5.20	38.7	135	93.2	75	192	51
3232	Bozeman MT	MT103001	2	35.2	95.3	14	79.0	2.8	1	17.4	5.89	34.5	112	89.3	640	215	30
3233	Bozeman MT	MT103105	2	44.1	91.5	45	72.3	1.7	1	14.6	3.58	25.2	120	43.4	957	114	23
3234	Bozeman MT	MT100017	2	35.4	75.4	53	81.2	2.2	2	15.7	4.70	30.5	135	59.0	686	153	32

2011 Crop Year Breeders' Samples

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3235	Bozeman MT	MT100060	2	40.6	95.4	72	78.2	n.d.	3	12.9	3.57	28.3	65	63.3	427	111	30
3236	Bozeman MT	MT100006	2	32.3	26.1	25	69.8	n.d.	3	18.0	6.13	34.3	87	52.1	2335	190	10
3237	Bozeman MT	MT100120	2	41.9	97.6	76	79.1	1.8	1	12.1	4.23	36.6	175	72.6	114	143	45
3238	Bozeman MT	MT100070	2	43.4	97.1	68	78.3	1.6	1	12.4	3.58	30.0	101	66.2	317	106	37
3239	Bozeman MT	MT100113	2	41.5	97.7	69	80.3	2.0	1	11.4	4.61	42.1	125	103.2	139	184	60
3240	Bozeman MT	MT100009	2	42.1	87.5	58	81.0	1.3	1	14.8	3.78	26.4	79	51.7	1752	103	27
3241	Bozeman MT	TR150	2	41.1	96.4	75	79.4	1.6	1	13.5	4.75	37.0	134	84.7	112	175	39
3242	Bozeman MT	MT080100	2	34.2	96.8	0	76.7	2.0	1	15.8	4.55	29.3	99	62.4	1265	157	21
3243	Bozeman MT	EM090151	2	38.0	95.5	75	77.6	1.7	2	13.7	3.96	30.6	126	57.3	168	132	20
3244	Bozeman MT	MT103022	6	38.3	96.6	73	77.6	1.4	1	14.3	4.46	32.5	192	95.4	155	170	29
3245	Bozeman MT	MT100127	2	40.2	96.2	79	78.2	1.6	1	12.6	3.88	31.9	162	58.7	220	125	39
3246		HARRINGTON MALT CHECK		40.4	96.6	76	82.1	1.6	1	11.6	4.88	44.6	137	100.4	107	200	61
3247	Bozeman MT	EM090113	2	39.8	98.4	59	76.6	1.7	2	14.5	4.04	28.4	137	57.4	153	131	25
3248	Bozeman MT	MT100042	2	31.6	55.9	36	74.4	2.5	1	17.5	6.33	35.3	80	62.6	1803	200	14
3249	Bozeman MT	SK 76333	2	39.9	96.2	72	78.7	1.5	1	13.5	4.59	35.4	169	89.7	197	173	39
3250	Bozeman MT	MT100046	2	34.0	37.7	25	73.7	2.4	1	17.1	5.96	36.0	98	54.0	1225	187	15
3251	Bozeman MT	MT100023	6	38.2	73.7	42	78.4	1.8	2	15.9	4.17	26.7	129	40.8	1225	115	24
3252	Bozeman MT	MT100032	2	33.5	50.1	28	75.3	3.8	1	17.0	6.89	39.4	115	71.3	958	238	18
3253	Bozeman MT	MT100021	2	37.2	71.8	42	80.3	1.9	1	15.6	4.84	31.0	107	47.7	1000	152	24
3254	Bozeman MT	EM090061	2	40.4	98.9	70	78.9	1.5	1	14.0	5.02	36.0	190	94.9	59	192	48
3255	Bozeman MT	EM090032	2	40.6	98.1	68	80.2	1.9	1	13.7	5.58	42.0	208	97.8	52	217	56
3256	Bozeman MT	MT100052	2	41.6	96.4	65	77.3	n.d.	3	12.4	3.51	28.2	79	51.7	454	105	26
3257	Bozeman MT	MT100128	2	43.0	97.5	74	77.7	1.5	1	12.7	3.73	30.9	176	57.7	238	128	36
3258	Bozeman MT	MT100063	2	41.1	96.5	76	77.9	n.d.	3	11.7	3.44	29.8	111	49.9	322	102	27
3259	Bozeman MT	MT103017	2	38.5	95	20	77.5	1.8	1	17.5	4.46	26.1	99	44.7	1076	148	20
3260	Bozeman MT	MT100136	2	41.2	97.2	74	78.4	1.4	1	12.1	3.63	31.8	156	56.2	214	108	39
3261	Bozeman MT	MT100125	2	45.0	98.4	76	79.2	1.5	1	12.1	3.92	33.3	168	58.6	164	126	40
3262	Bozeman MT	MT100045	2	35.1	46.7	58	79.1	1.6	1	15.4	3.94	25.8	102	38.8	940	108	10
3263	Bozeman MT	MT100078	2	41.4	93.8	70	77.1	n.d.	3	12.7	3.42	27.3	73	47.1	440	95	23
3264	Bozeman MT	MT103039	2	26.3	80.6	39	73.3	2.4	1	13.7	4.41	32.5	86	51.9	671	161	16
3265	Bozeman MT	MT950186	2	41.8	95	66	76.4	n.d.	3	13.5	3.61	26.9	65	45.7	418	105	13
3266	Bozeman MT	EM090153	2	38.1	98.3	65	77.5	2.0	2	13.4	3.79	29.6	152	49.2	83	117	31
3267	Bozeman MT	MT100012	2	29.5	51.8	23	74.7	4.7	2	16.8	7.25	44.8	82	72.8	1878	249	18
3268	Bozeman MT	MT100132	2	41.6	96.6	74	78.4	1.3	1	11.8	3.69	31.7	164	54.8	707	112	39
3269	Bozeman MT	MT100011	6	34.5	46.1	57	81.2	1.5	1	13.5	3.83	29.0	118	48.9	614	113	26
3270	Bozeman MT	EB03 26	2	35.7	95.6	72	77.4	n.d.	3	13.8	3.82	27.6	112	52.0	357	109	16
3271	Bozeman MT	MT100128	2	43.3	96.8	78	77.7	1.3	1	12.5	3.85	31.5	174	54.4	184	123	36
3272	Bozeman MT	MT100046	2	33.7	33.9	36	73.5	2.6	1	16.3	5.90	36.8	88	53.3	1314	174	12
3273	Bozeman MT	MT100009	2	42.6	87.4	62	80.0	1.2	1	14.7	3.79	26.0	73	43.9	1610	101	21
3274	Bozeman MT	MT100043	2	38.9	73.1	69	71.6	2.1	1	14.5	3.62	25.9	84	39.0	1797	96	4
3275	Bozeman MT	MT100062	2	42.1	94.3	69	76.6	n.d.	3	13.0	3.39	27.0	91	45.8	394	92	24
3276	Bozeman MT	EM090153	2	37.7	98	66	78.1	2.2	2	12.9	3.83	29.9	133	47.5	73	134	38
3277	Bozeman MT	MT100060	2	40.6	95.1	67	77.6	n.d.	3	12.6	3.34	27.6	51	45.6	449	102	23
3278		HARRINGTON MALT CHECK		40.4	96.8	73	81.5	1.7	1	11.4	4.92	44.1	122	85.0	83	208	58
3279	Bozeman MT	EM090100	2	38.3	97.6	71	78.5	2.4	1	14.7	5.44	37.7	156	87.0	56	221	46
3280	Bozeman MT	MT100045	2	35.0	49.2	48	79.6	1.7	2	14.7	3.86	26.4	106	43.0	853	111	16
3281	Bozeman MT	EM090160	2	42.0	98.2	66	78.8	1.5	2	13.1	4.00	31.7	121	63.5	93	150	43
3282	Bozeman MT	MT100051	2	40.8	95.5	70	77.6	n.d.	3	12.2	3.37	28.6	68	46.5	350	104	23
3283	Bozeman MT	MT100074	2	40.3	95.2	70	77.7	1.6	2	12.2	3.24	27.7	90	40.7	363	95	24

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3284	Bozeman MT	TR150	2	41.5	96.8	82	78.7	1.6	1	12.6	4.53	36.7	132	70.2	68	166	53
3285	Bozeman MT	MT100032	2	33.7	55.1	39	75.6	2.8	1	16.6	6.00	36.4	113	62.0	886	205	21
3286	Bozeman MT	MT100125	2	42.7	96.9	75	78.0	1.5	2	11.8	3.66	31.3	175	54.2	144	116	38
3287	Bozeman MT	EM090061	2	39.0	96.9	70	77.6	1.5	1	14.0	4.44	31.8	185	82.1	58	155	37
3288	Bozeman MT	MT010158	2	41.1	95.5	72	78.8	1.7	1	13.5	4.64	35.5	182	57.2	127	168	39
3289	Bozeman MT	EM090151	2	39.5	96.5	67	77.3	1.8	2	13.7	4.10	31.1	117	49.6	137	139	22
3290	Bozeman MT	EM090113	2	40.9	98.3	57	75.9	1.9	2	14.1	3.60	25.5	117	46.6	101	111	21
3291	Bozeman MT	EM090035	2	38.3	97	68	78.7	2.3	1	13.5	5.62	42.5	177	116.8	104	229	43
3292	Bozeman MT	MT100117	2	41.4	96.6	72	79.7	1.9	1	11.7	4.68	41.6	137	102.2	81	181	64
3293	Bozeman MT	EM090037	2	40.9	98.1	71	80.1	1.9	1	13.0	5.13	40.6	170	106.7	78	208	66
3294	Bozeman MT	MT100078	6	40.8	94.4	70	76.4	n.d.	3	12.5	3.28	26.3	76	44.8	354	94	24
3295	Bozeman MT	MT100029	2	36.4	56.5	53	79.8	1.8	1	15.1	4.60	31.3	156	44.1	769	138	27
3296	Bozeman MT	MT100120	2	43.2	97.7	79	78.2	1.4	2	12.0	3.76	32.6	179	56.3	131	125	42
3297	Bozeman MT	MT100063	2	41.4	94.6	77	77.7	n.d.	3	11.6	3.35	28.9	108	45.6	346	102	27
3298	Bozeman MT	MT100064	2	41.9	94.9	79	78.0	n.d.	3	11.4	3.22	29.4	89	41.1	316	103	27
3299	Bozeman MT	MT103001	2	35.6	95.4	16	77.5	1.6	1	17.3	4.59	27.1	116	72.2	807	151	25
3300	Bozeman MT	MT100127	2	40.4	94.1	78	77.9	1.5	1	11.8	3.41	30.0	145	50.4	227	108	35
3301	Bozeman MT	MT100012	2	30.8	57.7	22	75.9	4.2	1	16.1	7.01	43.6	88	70.8	1470	229	19
3302	Bozeman MT	EM090062	2	40.3	98.4	62	78.1	n.d.	3	13.3	3.81	29.5	105	51.9	89	129	36
3303	Bozeman MT	MT100003	2	41.3	86.9	50	80.0	1.4	1	16.4	4.08	25.9	95	45.2	1180	123	23
3304	Bozeman MT	MT100026	2	33.9	21.5	23	70.4	3.8	2	17.1	6.22	37.3	68	51.9	2853	208	13
3305	Bozeman MT	MT103022	2	40.9	97.6	73	78.9	1.5	1	12.9	4.48	35.7	191	89.7	87	183	56
3306	Bozeman MT	EM090067	2	37.7	98.6	73	79.2	1.6	1	13.6	4.26	32.3	149	69.1	94	165	35
3307		HARRINGTON MALT CHECK		40.1	96.6	75	82.0	1.7	1	11.7	4.90	44.3	129	92.5	78	212	63
3308	Bozeman MT	TR232	2	39.4	96.7	79	79.8	2.2	1	14.1	5.31	38.9	161	106.6	70	222	49
3309	Bozeman MT	MT100021	2	36.9	68.9	52	80.3	1.9	1	15.0	4.22	28.3	100	44.9	771	136	20
3310	Bozeman MT	EM090032	2	40.2	96.8	72	80.6	1.9	1	12.7	5.15	41.6	166	94.2	52	203	66
3311	Bozeman MT	MT103039	2	26.5	83.6	38	73.0	2.6	1	14.4	4.07	28.7	84	50.9	707	154	12
3312	Bozeman MT	MT100017	2	35.1	72.9	52	81.2	2.3	1	15.6	4.74	30.9	147	50.5	605	152	33
3313	Bozeman MT	MT100070	2	43.0	98.2	67	78.5	2.0	1	12.1	3.71	31.5	91	56.9	333	119	33
3314	Bozeman MT	MT100130	2	40.8	96.1	76	79.3	1.8	1	12.3	3.99	33.5	147	63.7	150	134	42
3315	Bozeman MT	MT010160	2	42.5	96.8	74	78.6	1.8	1	11.9	4.01	34.5	152	62.3	162	143	43
3316	Bozeman MT	MT100052	2	41.4	95.4	70	77.7	n.d.	3	13.4	3.63	27.8	76	48.7	341	115	18
3317	Bozeman MT	MT950186	2	41.2	93.9	69	76.6	n.d.	3	13.6	3.58	26.5	66	47.3	289	109	13
3318	Bozeman MT	MT910189	2	43.0	96.4	80	79.9	2.1	1	12.7	4.90	38.8	151	89.4	156	191	55
3319	Bozeman MT	MT100042	6	31.9	48.4	38	72.8	1.7	1	17.6	5.75	32.5	66	55.4	1912	175	16
3320	Bozeman MT	MT103017	2	38.6	95.8	26	78.3	1.5	1	17.5	4.12	24.3	108	49.5	966	137	24
3321	Bozeman MT	MT080100	2	34.3	95.5	0	75.9	2.0	1	15.9	4.03	26.0	95	50.5	1655	124	17
3322	Bozeman MT	EM090059	2	44.0	98.4	68	79.3	1.5	1	12.8	3.82	31.2	150	65.8	77	132	47
3323	Bozeman MT	MT103105	2	43.9	88.7	57	72.3	1.7	1	14.3	3.43	25.4	114	40.7	1038	93	18
3324		HARRINGTON MALT CHECK	2	39.7	96.5	76	82.0	1.8	1	11.5	4.92	44.4	121	88.1	100	196	67
3325	Bozeman MT	MT100124	6	39.4	94.9	80	78.1	1.6	1	12.4	3.83	32.4	165	62.4	169	123	43
3326	Bozeman MT	MT100126	2	40.2	95.1	76	78.5	1.6	1	12.1	3.83	33.3	156	61.4	173	135	39
3327	Bozeman MT	MT100023	2	37.0	66.9	64	77.0	2.1	1	15.5	4.14	26.8	121	43.4	1096	120	16
3328	Bozeman MT	MT100006	2	31.8	25.5	28	70.3	n.d.	3	17.9	6.13	33.6	107	51.1	2259	187	14
3329	Bozeman MT	MT100113	2	41.4	97.4	72	80.3	1.8	1	12.1	4.64	39.6	142	95.7	105	183	55
3330	Bozeman MT	MT100030	2	31.0	43.3	32	73.0	3.2	2	16.0	6.26	39.1	91	51.4	2266	191	13
3331	Bozeman MT	MT100002	2	31.6	32.6	36	57.0	n.d.	3	18.8	5.83	30.0	50	51.9	3097	201	15
3332	Bozeman MT	MT100136	2	33.3	94.9	77	78.3	1.7	1	12.2	3.60	30.3	159	56.3	352	109	35

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
3333	Bozeman MT	MT100011	2	32.7	39.3	55	81.8	1.0	1	13.6	3.53	26.8	108	50.6	1012	97	23
3334	Bozeman MT	MT100034	2	36.9	82.2	74	74.7	1.6	1	13.7	3.61	27.0	83	46.3	1513	105	6
3335	Bozeman MT	SK 76333	2	38.9	95.3	77	79.1	1.6	1	12.8	4.53	37.8	158	82.3	155	173	44
3336		HARRINGTON MALT CHECK		39.8	96.7	75	82.0	1.6	1	11.5	4.76	41.7	126	91.2	90	198	53
3337	Bozeman MT	08WA-11	2	43.7	98.2	83	79.3	1.5	1	13.0	4.43	36.0	123	81.5	511	181	45
3338	Bozeman MT	07MT-67	2	46.1	99.5	75	78.0	1.3	1	13.6	3.71	28.8	139	61.8	556	121	26
3339	Bozeman MT	09N2-55	2	47.8	99	81	78.6	1.7	1	13.5	4.79	35.9	168	84.5	235	179	37
3340	Bozeman MT	07N2-84	2	43.9	98.3	79	77.6	1.9	1	15.8	6.38	41.5	173	105.9	438	242	36
3341	Bozeman MT	07WA-29	2	49.3	98.9	70	74.8	1.7	2	14.2	3.79	26.8	135	52.7	840	120	25
3342	Bozeman MT	09N2-09	2	48.5	99.5	85	79.2	1.7	1	12.6	4.29	34.6	112	69.2	578	161	40
3343	Bozeman MT	MT910189	2	46.7	98.5	85	79.6	1.7	1	13.6	5.12	38.2	155	92.3	422	208	45
3344	Bozeman MT	08MT-19	2	46.3	99.4	73	75.6	n.d.	3	14.3	3.73	26.3	86	38.9	848	112	10
3345	Bozeman MT	08WA-57	2	46.6	99.3	74	75.9	1.5	2	14.0	3.92	28.5	130	47.8	572	120	22
3346	Bozeman MT	06WA-42	2	49.6	98.9	78	77.7	1.9	2	14.9	4.79	33.9	136	76.4	515	176	32
3347	Bozeman MT	PI643354	2	48.1	98.4	80	78.6	n.d.	3	12.2	4.22	35.3	114	53.3	347	130	38
3348	Bozeman MT	08WA-67	2	45.3	98	43	80.5	n.d.	3	17.0	4.47	26.4	96	54.3	1082	142	31
3349	Bozeman MT	08WA-28	2	46.0	98.8	71	78.7	1.7	1	14.1	4.81	36.4	92	79.9	274	192	35
3350	Bozeman MT	PI568246	2	46.5	99.2	75	75.1	n.d.	3	14.1	3.70	26.7	109	49.8	424	112	18
3351	Bozeman MT	06BA-63	2	45.9	99.5	82	80.8	2.4	1	13.5	5.65	43.8	137	104.8	93	219	58
3352	Bozeman MT	09MT-16	6	44.8	98.7	83	79.1	1.4	1	12.0	4.33	38.0	112	71.8	340	164	39
3353	Bozeman MT	MT090183	2	44.9	98.5	77	79.3	1.4	1	12.2	4.01	35.5	154	60.5	247	126	43
3354	Bozeman MT	06N2-16	2	45.4	99.4	71	77.8	1.4	1	14.3	4.57	33.0	157	77.1	366	156	33
3355	Bozeman MT	06N2-66	2	49.4	99.3	76	80.1	1.6	1	13.4	5.16	41.4	136	85.0	611	173	50
3356	Bozeman MT	09BA-10	2	43.3	98.9	75	78.5	1.6	1	14.7	5.23	36.5	189	90.5	242	187	40
3357	Bozeman MT	08BA-08	2	46.1	99	70	78.1	2.0	1	15.6	6.38	41.5	148	99.2	317	217	40
3358	Bozeman MT	07AB-53	2	45.3	97.6	78	76.6	n.d.	3	13.3	3.66	27.6	127	44.5	515	106	26
3359	Bozeman MT	08N2-35	2	46.1	98.4	85	81.6	1.9	1	11.3	4.93	44.8	95	83.1	389	194	56
3360	Bozeman MT	06N2-63	2	56.3	99.6	75	79.2	1.7	1	13.1	5.23	41.4	131	64.8	538	183	50
3361	Bozeman MT	08BA-23	2	49.6	99.2		81.0	2.8	1	13.8	6.85	49.7	139	102.2	86	280	48
3362	Bozeman MT	07MT-50	2	44.9	99.1	79	80.1	2.0	1	14.4	5.89	42.2	141	97.4	175	222	46
3363	Bozeman MT	08MT-71	2	45.5	98.3	73	77.0	1.5	1	14.1	4.33	32.0	136	50.5	608	156	29
3364	Bozeman MT	09BA-94	2	47.3	97.3	76	78.9	1.4	1	12.9	4.82	38.9	191	88.9	221	170	47
3365		HARRINGTON MALT CHECK		39.6	96.8	76	82.2	1.5	1	11.4	5.09	46.1	138	104.6	109	176	53
3366	Bozeman MT	09WA-29	2	41.6	97.8	64	77.6	1.5	2	13.3	4.04	30.5	120	51.4	173	122	32
3367	Bozeman MT	09MT-75	2	44.3	98.9	78	78.5	1.4	1	11.6	3.88	34.8	159	54.7	337	119	40
3368	Bozeman MT	07BA-96	2	41.8	94.2	50	82.0	1.6	2	15.2	4.90	33.4	167	62.3	321	160	41
3369	Bozeman MT	06AB-08	2	47.0	98.6	84	79.5	1.5	1	14.1	5.02	37.9	170	85.2	597	186	43
3370	Bozeman MT	07N2-13	2	44.5	99.5	73	79.1	1.6	1	14.1	5.51	40.7	174	84.4	430	203	47
3371	Bozeman MT	08WA-44	2	45.7	97	88	77.7	1.3	1	12.9	4.10	33.1	124	54.8	442	125	39
3372	Bozeman MT	SK 76333	2	43.8	97.9	81	80.0	1.5	1	12.9	5.25	42.0	144	90.1	302	201	60
3373	Bozeman MT	08AB-17	2	48.4	98.3	78	79.3	1.8	1	13.0	5.17	39.7	149	88.3	332	203	47
3374	Bozeman MT	07MT-94	2	46.6	99.2	77	78.8	1.4	1	13.7	4.52	34.8	143	65.6	223	131	37
3375	Bozeman MT	08AB-20	2	44.4	98.9	77	80.1	1.7	1	14.0	5.46	40.8	168	93.2	160	199	50
3376	Bozeman MT	06BA-81	2	44.5	98.5	70	78.2	1.5	1	14.3	4.68	34.0	165	72.9	387	165	37
3377	Bozeman MT	08AB-46	6	44.6	98.6	72	78.1	1.5	1	13.8	4.92	36.2	136	76.3	159	179	38
3378	Bozeman MT	08WA-94	2	39.7	92.7	56	80.7	1.5	2	16.1	3.86	24.8	102	53.2	2265	112	26
3379	Bozeman MT	08MT-74	2	47.2	98.9	82	78.0	1.8	1	13.0	4.39	34.6	108	74.5	547	169	35
3380	Bozeman MT	06MT-64	2	46.4	98.9	78	75.3	2.9	3	13.1	3.46	26.6	102	40.5	545	102	23
3381	Bozeman MT	09WA-88	2	39.5	94.8	49	78.7	1.6	2	16.4	3.75	23.1	99	51.1	1863	105	19

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
3382	Bozeman MT	08WA-78	2	44.1	98.3	68	75.6	n.d.	3	13.7	4.37	32.8	134	57.5	197	144	27
3383	Bozeman MT	06AB-41	6	44.1	97.8	78	79.6	1.8	1	13.4	4.89	38.9	179	97.1	167	186	52
3384	Bozeman MT	09AB-15	2	48.5	99.6	79	72.1	1.8	2	15.3	3.76	24.8	77	37.3	2683	109	11
3385	Bozeman MT	09AB-13	2	46.7	99.4	82	73.6	1.4	2	14.0	3.43	24.7	71	34.5	3211	98	11
3386	Bozeman MT	06AB-15	2	45.8	98.8	85	76.9	1.6	2	14.1	4.04	29.3	120	41.5	787	128	25
3387	Bozeman MT	07N2-64	2	49.4	98.8	76	78.0	1.8	1	12.7	4.75	39.6	134	80.6	169	184	46
3388	Bozeman MT	09BA-03	2	49.3	98.9	74	79.0	1.8	1	13.9	4.86	36.7	148	97.2	418	196	42
3389	Bozeman MT	06N2-70	2	44.1	99.2	74	78.0	1.4	1	13.9	4.82	36.4	186	79.5	482	173	37
3390	Bozeman MT	MT910189	2	46.4	98.6	86	79.4	1.7	1	12.4	4.82	39.6	138	85.0	405	184	50
3391	Bozeman MT	09N2-51	2	47.3	99.1	80	77.7	2.0	1	13.4	4.77	35.7	158	77.8	232	171	38
3392	Bozeman MT	SK 76333	2	43.4	97.9	80	79.1	1.7	1	13.8	5.11	39.1	146	97.5	244	211	42
3393	Bozeman MT	06WA-57	2	45.7	99	74	74.8	1.6	2	14.3	3.92	28.1	120	43.6	468	121	19
3394		HARRINGTON MALT CHECK		39.6	95.8	75	81.5	1.8	1	11.6	4.92	44.6	124	97.3	93	208	63
3395	Bozeman MT	08AB-25	2	41.0	91.6	58	80.3	1.1	1	15.7	3.58	23.9	68	37.9	2370	97	18
3396	Bozeman MT	08BA-30	2	43.4	98.1	78	79.4	2.0	1	13.5	5.48	42.9	117	81.4	109	236	55
3397	Bozeman MT	08BA-25	2	46.8	98.9	70	76.4	2.0	1	15.1	5.32	36.3	80	95.2	418	215	31
3398	Bozeman MT	06MT-29	2	43.3	98.8	75	75.1	1.5	1	13.3	3.53	27.3	97	39.7	860	105	17
3399	Bozeman MT	06MT-78	2	44.7	98.7	82	77.2	1.6	1	13.2	4.15	32.8	122	60.5	425	144	34
3400	Bozeman MT	07WA-14	2	39.9	98.7	87	76.9	1.4	1	14.0	4.84	35.8	222	74.4	205	184	33
3401	Bozeman MT	09BA-09	2	48.9	99.2	76	76.7	1.7	1	15.6	5.40	35.4	196	99.9	238	193	38
3402	Bozeman MT	06MT-12	2	48.0	98.8	77	77.5	1.3	1	12.7	3.53	28.3	120	46.4	509	107	33
3403	Bozeman MT	06WA-25	2	44.2	98.6	72	77.2	1.9	1	14.0	4.45	32.1	153	54.7	198	156	33
3404	Bozeman MT	09MT-08	2	31.9	81.5	69	79.1	2.0	1	10.7	4.26	41.8	100	63.9	404	161	30
3405	Bozeman MT	08N2-44	2	51.6	99.4	81	77.3	1.5	2	14.3	4.34	31.2	155	52.4	250	163	28
3406	Bozeman MT	08BA-95	2	42.6	97	74	78.2	2.2	1	14.8	5.47	38.7	162	110.6	195	208	42
3407	Bozeman MT	08N2-07	2	52.8	99.9	66	77.6	1.8	2	14.1	4.59	32.9	146	54.8	610	147	32
3408	Bozeman MT	09BA-88	2	45.7	99.1	71	79.1	2.1	1	14.1	5.21	37.5	207	111.6	192	196	42
3409	Bozeman MT	06N2-85	2	49.7	98.7	78	78.7	n.d.	3	12.3	4.35	36.4	118	74.3	281	159	38
3410	Bozeman MT	09AB-44	2	41.8	84.8	53	81.3	1.6	2	14.4	3.96	28.3	86	52.2	1389	113	22
3411	Filer, ID	Endeavor	2	42.0	96.2	80	81.4	1.8	1	10.3	4.45	46.1	114	96.5	63	174	56
3412	Filer, ID	Charles	2	42.5	94.9	75	82.1	2.1	1	10.9	4.75	45.5	100	77.6	89	187	60
3413	Filer, ID	Maja	6	32.7	88.1	79	78.6	n.d.	3	10.9	4.23	41.3	123	65.0	83	165	40
3414	Filer, ID	04/153/2	2	45.6	95.6	76	77.1	n.d.	3	11.7	4.17	36.7	112	34.9	437	130	27
3415	Filer, ID	2Ab09-X04W015-22	2	46.9	97.3	72	80.7	1.9	2	10.6	4.30	42.5	136	53.8	224	160	45
3416	Filer, ID	2Ab09-X04W015-75	2	44.3	96.5	74	79.9	n.d.	3	11.7	4.34	40.4	120	64.0	337	167	46
3417	Filer, ID	2Ab09-X04W016-17	2	45.4	97.8	73	80.2	2.5	1	12.0	5.19	46.5	129	76.4	127	204	63
3418	Filer, ID	2Ab09-X04W016-45	2	42.4	92.7	78	80.7	2.1	1	11.2	4.64	42.8	133	76.7	93	181	65
3419	Filer, ID	2Ab09-X04W018-5	2	44.6	92.3	76	77.9	2.0	1	11.7	4.44	39.2	91	69.1	261	161	36
3420	Filer, ID	2Ab09-X04W018-14	2	45.1	95.7	75	79.2	1.9	2	10.7	4.05	38.1	81	60.4	106	144	33
3421	Filer, ID	2Ab09-X04W047-10	2	42.7	97.1	72	82.0	2.1	1	10.3	4.56	48.1	117	58.4	87	163	52
3422	Filer, ID	2Ab09-X04W047-136	2	39.8	94.9	66	80.4	2.3	1	10.5	4.92	50.1	105	61.3	126	182	45
3423	Filer, ID	2Ab09-X04W021-37	2	45.4	97.6	76	80.0	1.8	1	11.1	4.37	42.4	127	57.6	171	162	51
3424	Filer, ID	2Ab09-X04W021-79	2	44.9	96.7	76	79.8	1.9	2	10.9	4.44	41.7	132	58.8	165	165	49
3425	Filer, ID	2Ab09-X04W022-33	2	42.3	96.6	80	79.8	n.d.	3	9.8	3.78	41.5	79	61.8	287	131	34
3426		HARRINGTON MALT CHECK		40.1	96.5	77	81.9	1.6	1	11.4	4.92	44.3	130	91.5	90	197	56
3427	Filer, ID	2Ab09-X04W022-78	2	39.4	97.1	83	78.9	1.8	1	12.0	4.58	40.9	84	59.2	323	165	42
3428	Filer, ID	2Ab09-X04W055-1	2	41.9	93.8	72	78.5	n.d.	3	10.6	4.04	39.2	72	42.4	388	125	25
3429	Filer, ID	2Ab09-X05W024-38	2	43.3	94.6	80	79.3	2.4	2	11.3	4.97	44.0	105	73.7	275	180	51
3430	Filer, ID	2Ab09-X05W024-158	2	41.5	95.4	82	80.4	n.d.	3	10.4	4.55	46.9	94	65.8	225	167	40

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3431	Filer, ID	2Ab09-X05W024-183	2	38.6	93.3	75	80.7	n.d.	3	9.9	4.55	46.4	89	78.8	134	182	44
3432	Filer, ID	2Ab09-X05W024-233	2	39.7	95.6	78	81.6	2.4	2	10.0	4.59	47.9	76	76.9	120	172	40
3433	Filer, ID	2Ab09-X05W040-125	2	40.9	96.1	77	80.7	2.0	1	11.2	4.85	45.9	120	75.6	117	187	57
3434	Filer, ID	2Ab09-X05W051-73	2	38.5	88	76	81.6	2.0	1	10.7	4.58	43.0	84	85.7	200	175	41
3435	Filer, ID	2Ab09-X05W051-89	2	38.8	88.5	72	81.3	1.9	1	11.1	4.76	44.2	131	87.1	169	179	53
3436	Filer, ID	2Ab09-X05W044-23	2	41.7	94.8	73	79.9	1.8	1	10.4	3.67	36.6	84	43.0	485	107	27
3437	Filer, ID	2Ab09-X05W044-126	2	42.9	98.1	74	78.9	1.6	1	11.2	3.85	35.9	129	46.8	570	123	37
3438	Filer, ID	2Ab09-X05W044-135	2	43.8	95.1	66	79.8	2.0	2	10.3	3.64	37.5	65	47.1	516	110	27
3439	Filer, ID	2Ab09-X05W074-3	2	46.6	97.7	78	81.5	3.1	2	11.0	5.11	49.7	105	70.7	233	188	47
3440	Filer, ID	2Ab09-X05W040-12	2	42.0	97.5	81	81.1	2.2	1	11.2	5.20	46.8	111	75.4	64	205	67
3441	Filer, ID	2Ab09-X04W054-13	2	41.0	93.3	79	81.0	2.3	1	9.6	4.63	50.2	86	65.8	212	177	40
3442	Filer, ID	2Ab09-X05W060-34	2	43.2	90.8	83	78.8	2.7	1	11.1	4.77	43.1	85	77.9	210	186	48
3443	Filer, ID	2Ab09-X05W071-23	2	43.4	96.9	83	81.1	4.1	1	11.7	5.91	52.9	107	77.6	107	231	54
3444	Bozeman MT	07WA-06	2	44.0	99.1	78	76.0	1.8	2	13.7	3.66	26.8	102	46.7	543	108	56
3445	Bozeman MT	07N2-31	2	39.0	98.7	79	78.6	1.7	1	13.6	5.07	37.4	154	68.7	221	184	34
3446	Bozeman MT	06MT-46	2	46.5	99.2	76	77.2	n.d.	3	13.5	3.90	29.9	114	49.6	331	116	23
3447	Bozeman MT	09AB-29	2	45.8	98	79	81.5	2.6	1	12.0	5.28	45.7	131	93.2	93	216	65
3448	Bozeman MT	08MT-06	2	47.3	99.6	79	76.8	1.2	1	14.2	3.95	28.1	142	47.5	466	113	23
3449	Bozeman MT	09N2-82	2	43.0	97.4	73	76.6	1.8	1	14.1	5.04	35.6	157	91.5	412	160	33
3450	Bozeman MT	07WA-13	2	39.1	97.8	78	77.2	1.8	1	14.8	5.84	41.0	200	68.1	224	220	31
3451	Bozeman MT	09WA-19	2	46.0	99.2	77	77.3	1.4	1	14.3	4.06	30.0	138	54.5	290	128	29
3452	Bozeman MT	09MT-92	2	46.5	99.1	72	78.7	1.5	1	12.1	4.02	33.9	146	56.6	145	122	46
3453	Bozeman MT	PI568246	2	46.5	99.3	72	75.5	n.d.	3	13.7	3.80	27.9	114	47.2	405	110	18
3454	Bozeman MT	07MT-13	2	40.8	93.5	62	80.8	1.6	1	15.4	4.63	31.3	129	62.6	543	147	39
3455		HARRINGTON MALT CHECK		39.7	96.2	77	81.8	1.7	1	11.4	4.94	43.4	126	98.1	78	195	53
3456	Bozeman MT	06MT-26	2	46.3	98.8	73	78.6	1.4	1	13.1	3.93	30.9	139	54.1	229	118	35
3457	Bozeman MT	06WA-53	2	43.8	98.2	74	75.6	1.9	2	14.5	3.65	26.2	94	49.4	576	107	15
3458	Bozeman MT	09AB-43	2	38.3	87.4	59	76.9	1.4	1	18.1	4.79	26.8	74	44.4	3125	144	18
3459	Bozeman MT	06N2-06	2	49.0	99.4	75	78.0	1.7	1	14.5	4.56	32.4	171	63.7	371	154	37
3460	Bozeman MT	08MT-61	6	48.3	98.8	75	77.4	1.3	1	14.8	4.30	29.9	148	59.4	402	139	26
3461	Bozeman MT	09MT-02	2	33.9	79.9	59	77.1	1.8	1	11.5	3.98	34.7	98	58.1	623	139	19
3462	Bozeman MT	PI643354	2	47.6	99.5	76	77.7	2.1	2	12.6	4.18	33.3	109	48.0	487	134	32
3463	Bozeman MT	07N2-73	2	46.1	98.6	74	76.0	1.6	1	13.9	4.68	34.3	131	54.0	485	165	33
3464	Bozeman MT	09AB-94	2	43.3	98.9	78	75.3	1.5	2	14.5	3.70	26.6	111	35.5	689	96	15
3465	Bozeman MT	08N2-37	2	54.6	99.2	76	77.1	1.8	1	14.6	4.34	30.5	88	45.1	821	157	19
3466	Bozeman MT	MT090183	2	45.4	98.7	74	78.8	1.4	1	12.3	4.07	35.0	166	59.5	201	134	43
3467	Bozeman MT	08AB-09	2	41.8	96.6	82	78.5	1.5	1	12.0	4.24	37.1	62	60.5	611	156	35
3468	Bozeman MT	09WA-64	2	45.1	98.5	73	77.3	1.4	1	13.3	3.59	27.1	130	53.6	291	103	31
3469	Bozeman MT	08MT-95	2	50.3	99.4	75	76.7	2.4	2	14.4	4.34	32.4	82	63.0	353	143	21
3470	Bozeman MT	06MT-91	2	43.6	98.5	79	79.1	1.9	1	14.5	5.46	38.7	131	106.9	220	204	42
3471	Bozeman MT	07WA-38	2	50.0	99.4	71	75.8	1.5	1	14.5	4.00	28.9	115	48.7	590	132	23
3472	Bozeman MT	07MT-58	2	48.1	99.4	81	80.1	1.6	1	13.2	4.94	38.4	149	81.5	361	203	50
3473	Bozeman MT	09WA-55	2	46.9	98.8	67	75.6	n.d.	3	13.4	3.70	27.9	141	59.7	567	111	29
3474	Bozeman MT	06N2-37	2	53.5	99.8	77	74.6	n.d.	3	15.3	4.43	29.7	125	46.2	831	146	28
3475	Bozeman MT	MT910189	2	47.6	98.7	80	80.2	1.7	1	13.3	5.16	40.4	163	94.0	464	207	55
3476	Bozeman MT	PI568246	2	47.1	99.5	74	75.5	n.d.	3	14.0	3.61	26.3	119	50.4	478	113	21
3477	Bozeman MT	08N2-12	2	53.1	99.1	76	76.8	1.4	1	14.2	4.62	33.5	128	59.5	787	174	33
3478	Bozeman MT	06N2-94	2	43.7	98.8	82	78.2	1.6	1	14.3	5.07	36.9	155	75.9	250	193	42
3479	Bozeman MT	08MT-10	2	44.8	98.5	75	76.5	1.6	1	13.9	4.91	36.2	129	73.4	361	185	36

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3480	Bozeman MT	08BA-13	2	43.5	98.9	74	78.0	1.7	1	14.2	4.50	32.2	189	88.8	271	157	37
3481	Bozeman MT	07MT-10	2	38.6	93.1	40	82.2	1.3	1	15.9	4.28	27.7	180	69.6	346	135	36
3482	Bozeman MT	07BA-52	2	46.1	99.1	73	78.5	2.2	1	13.9	5.48	41.9	142	97.4	239	220	47
3483		HARRINGTON MALT CHECK		39.5	98.8	77	82.1	1.8	1	11.4	4.85	45.0	124	99.6	86	200	58
3484	Bozeman MT	06MT-82	2	44.5	98.5	76	78.5	2.0	1	15.1	5.60	37.5	160	111.9	276	218	42
3485	Bozeman MT	09N2-49	6	44.3	98.3	69	77.4	1.9	2	15.1	5.33	37.3	187	76.2	119	182	39
3486	Bozeman MT	07BA-84	2	47.9	98.1	80	79.1	1.7	1	13.6	5.21	38.4	201	100.9	195	198	42
3487	Bozeman MT	MT090183	2	45.1	98.9	79	78.8	1.4	1	12.2	3.89	33.8	155	57.5	241	128	40
3488	Bozeman MT	06N2-91	2	47.5	99.4	77	79.9	1.8	1	14.0	5.66	40.7	129	78.7	108	222	49
3489	Bozeman MT	08MT-93	2	52.1	99.4	82	75.6	1.5	2	14.4	3.85	27.8	75	44.3	2241	133	15
3490	Bozeman MT	07N2-08	2	51.8	99.3	79	77.9	1.9	2	13.8	5.00	37.7	136	64.3	612	194	37
3491	Bozeman MT	08WA-53	6	47.5	98.9	75	79.1	1.9	1	13.3	5.57	43.3	141	97.8	297	227	63
3492	Bozeman MT	07N2-50	2	47.7	98.9	79	78.9	1.7	1	13.6	4.79	36.3	163	87.6	186	184	40
3493	Bozeman MT	PI643354	2	48.4	98.8	74	78.2	2.1	2	12.2	4.10	34.3	107	49.3	384	137	36
3494	Bozeman MT	07BA-52	2	46.0	99.6	79	80.4	2.2	1	14.0	5.80	43.8	165	110.3	80	237	53
3495	Bozeman MT	06MT-82	2	48.2	99.7	84	75.1	1.9	2	15.2	4.42	29.8	161	54.5	754	153	32
3496	Bozeman MT	09N2-49	6	45.9	98.8	75	77.8	1.8	2	13.0	4.10	33.0	128	63.6	772	153	36
3497	Bozeman MT	07BA-84	2	42.5	96.9	81	79.2	1.7	1	12.3	4.77	38.9	142	113.7	248	198	52
3498	Bozeman MT	MT090183	2	49.3	99	80	79.0	1.8	1	12.6	4.85	39.0	95	72.8	709	189	43
3499	Bozeman MT	06N2-91	2	50.0	99.5	80	78.8	1.9	1	14.0	5.20	38.1	187	80.4	400	186	40
3500	Bozeman MT	08MT-93	2	47.7	98.6	84	78.7	2.0	1	13.0	5.10	42.2	172	73.4	370	201	52
3501	Bozeman MT	07N2-08	2	43.9	99.4	75	77.7	1.8	1	14.4	4.69	34.5	136	73.3	359	180	33
3502	Bozeman MT	08WA-53	6	49.2	99.7	73	79.0	1.8	1	13.1	4.97	39.2	139	64.0	532	193	49
3503	Bozeman MT	07N2-50	2	44.4	98.2	69	78.4	2.5	1	15.1	6.32	43.1	109	88.8	170	267	37
3504	Bozeman MT	PI643354	2	48.5	99.7	81	79.3	1.9	1	12.9	5.28	43.6	122	97.1	510	219	57
3505	Ray, ND	ROBUST	6	31.9	97.6	39	77.6	2.0	1	15.8	6.23	41.5	235	74.7	159	233	33
3506	Ray, ND	LACEY	6	33.8	99.6	34	77.0	2.3	1	16.4	6.96	43.1	273	96.0	121	250	39
3507	Ray, ND	TRADITION	6	32.7	99.5	35	77.0	2.4	1	15.7	6.33	42.4	265	89.4	153	226	39
3508	Ray, ND	STELLAR-ND	6	32.6	99	37	77.5	3.1	1	15.4	6.76	45.0	257	98.8	100	250	43
3509	Ray, ND	QUEST	6	32.7	99.3	33	77.5	2.4	1	15.1	6.75	45.8	246	103.5	184	250	36
3510	Ray, ND	RASMUSSEN	6	33.3	99	33	78.1	2.7	1	16.3	7.54	46.4	267	101.6	82	311	47
3511	Ray, ND	CONLON	2	39.6	99.1	33	77.3	2.9	1	15.9	6.62	43.6	161	106.4	357	241	33
3512		LACEY MALT CHECK		32.4	89.8	54	79.1	2.6	2	13.2	5.37	43.2	135	68.1	137	199	60
3513	Ray, ND	PINNACLE	2	37.9	98.8	32	78.1	3.1	1	13.9	6.38	47.9	159	94.6	176	227	30
3514	Ray, ND	RAWSON	2	42.9	99	31	80.4	3.0	1	14.9	7.34	50.5	152	110.3	128	307	41
3515	Ray, ND	2ND21089-3	2	42.2	99.2	31	77.2	2.7	1	16.1	6.95	45.0	205	90.5	125	262	39
3516	Ray, ND	2ND23146	2	41.8	98.9	34	77.2	4.1	1	16.0	7.79	51.3	129	97.5	357	320	30
3517	Ray, ND	2ND23164	2	46.2	99.4	30	80.0	4.4	1	13.7	7.51	54.8	127	120.2	125	284	41
3518	Ray, ND	2ND24186	2	43.4	99.1	28	78.0	2.4	1	15.6	6.45	43.0	162	95.2	316	238	36
3519	Ray, ND	2ND24205	2	40.6	99	35	80.7	4.0	1	14.9	7.69	53.3	147	102.2	241	293	37
3520	Ray, ND	2ND24259	2	40.5	98.8	28	79.4	4.4	1	15.0	7.44	52.9	146	103.4	163	296	37
3521	Ray, ND	2ND24341	2	38.9	99	41	78.7	2.0	1	14.6	5.72	40.4	160	90.2	524	209	40
3522	Ray, ND	2ND24365	2	38.9	99.2	30	76.6	2.9	1	15.7	6.62	43.7	158	112.0	403	236	33
3523	Ray, ND	2ND24379	2	37.2	99.4	34	78.3	5.3	1	15.5	7.92	53.5	133	97.0	78	329	37
3524	Ray, ND	2ND24385	2	40.7	99.6	28	78.2	3.0	1	14.6	6.35	44.1	147	73.6	524	230	39
3525	Ray, ND	2ND24388	2	39.3	99.5	31	78.2	3.2	1	15.1	7.06	49.0	166	93.9	367	256	32
3526	Ray, ND	2ND24393	2	39.0	99	29	80.0	3.1	1	14.0	7.00	50.6	197	102.7	232	282	35
3527	Ray, ND	2ND24424	2	37.2	97.9	33	76.7	3.6	1	17.1	7.84	45.9	195	118.2	143	305	34
3528	Ray, ND	2ND24434	2	39.3	99	31	78.5	3.5	1	15.8	7.67	48.2	169	112.3	87	293	39

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3529	Ray, ND	2ND24510	2	39.8	98.6	35	77.5	3.2	1	16.6	7.40	44.6	168	94.1	173	278	33
3530	Ray, ND	2ND24519	2	40.9	99.3	31	77.4	2.4	1	14.9	5.75	39.6	150	85.4	278	209	33
3531	Ray, ND	2ND26306	2	41.7	99.6	33	79.5	5.2	1	15.8	9.00	59.3	127	111.3	90	378	44
3532	Ray, ND	2ND26319	2	33.7	93.8	31	75.8	3.1	1	16.9	6.49	38.9	189	113.9	266	241	26
3533	Ray, ND	2ND26321	2	35.9	97.1	34	78.7	2.6	1	14.9	6.10	42.0	157	100.5	336	242	35
3534	Ray, ND	2ND26322	2	36.6	97.5	30	77.8	2.7	1	15.9	6.79	44.1	189	112.8	263	277	31
3535	Ray, ND	2ND26324	2	36.8	99.5	34	78.8	2.6	1	15.6	7.03	45.5	174	109.2	313	268	35
3536	Ray, ND	2ND26325	2	36.3	99.5	33	79.3	2.9	1	15.8	6.88	45.3	174	107.9	208	266	35
3537	Ray, ND	2ND26330	2	39.1	99.2	34	76.9	3.0	1	15.8	7.36	46.9	199	97.7	96	271	40
3538	Ray, ND	2ND26333	2	38.3	98.9	31	79.1	3.6	1	15.4	7.95	53.9	174	127.2	60	300	39
3539	Ray, ND	2ND26334	2	37.5	99.1	33	79.0	3.1	1	15.7	7.63	50.4	221	127.4	93	292	37
3540	Ray, ND	2ND26341	2	39.2	98.9	35	75.7	3.8	1	17.2	7.74	46.2	171	91.3	281	308	33
3541		HARRINGTON MALT CHECK		42.8	96.6	76	81.9	1.6	1	11.5	4.88	46.4	138	92.1	66	186	58
3542	Ray, ND	2ND26342	2	38.9	99.3	35	76.3	3.2	1	17.0	7.19	42.4	169	83.1	182	241	33
3543	Ray, ND	2ND26346	2	40.0	98.7	34	78.5	2.4	1	15.3	6.35	43.4	167	89.4	423	222	37
3544	Ray, ND	2ND26348	2	39.2	98.9	32	78.5	2.3	1	15.4	6.28	42.0	177	88.3	332	224	37
3545	Ray, ND	2ND26350	2	40.7	99.1	34	79.1	2.8	1	14.3	6.49	46.7	165	95.6	279	232	39
3546	Ray, ND	2ND26351	2	41.7	99.7	32	79.8	2.9	1	15.2	7.05	48.5	164	104.8	290	250	37
3547	Ray, ND	2ND26352	2	41.9	99.2	32	80.0	2.8	1	15.7	7.35	48.6	148	102.5	98	288	44
3548	Ray, ND	2ND26361	2	43.4	99.4	32	76.3	2.8	1	15.9	6.20	39.7	119	83.8	109	225	31
3549	Ray, ND	2ND26369	2	42.7	99.2	36	78.6	3.7	1	14.5	7.39	52.2	147	120.1	129	270	38
3550	Ray, ND	2ND26373	2	39.1	98.9	32	78.8	4.3	1	14.7	7.56	54.4	147	112.4	103	288	35
3551	Ray, ND	2ND26388	2	39.8	99.3	32	79.3	3.8	1	15.3	8.18	55.9	135	105.7	75	320	39
3552	Ray, ND	2ND27343	2	40.9	98.4	32	80.3	5.0	1	14.2	7.85	56.8	120	111.8	115	301	40
3553	Ray, ND	2ND27344	2	43.0	99.6	35	78.3	3.7	1	16.8	7.76	47.2	117	98.3	599	273	32
3554	Ray, ND	2ND27347	2	43.2	98.9	30	77.7	2.7	1	14.9	6.11	42.8	150	105.0	524	218	36
3555	Ray, ND	2ND27348	2	38.8	99.7	30	78.5	3.3	1	15.3	6.82	44.7	192	101.6	392	221	37
3556	Ray, ND	2ND27353	2	46.1	99.1	32	78.6	3.4	1	14.2	7.01	50.1	123	116.7	234	267	35
3557	Ray, ND	2ND27360	2	36.8	97.2	44	78.1	3.9	1	15.6	7.67	50.5	175	101.5	213	268	30
3558	Ray, ND	2ND27362	2	40.0	98.8	31	75.9	3.1	1	16.9	6.83	41.6	146	99.6	326	226	35
3559	Ray, ND	2ND27368	2	41.3	99.3	30	78.0	2.9	1	14.0	6.17	45.5	104	86.9	347	225	36
3560	Ray, ND	2ND27373	2	40.3	99.8	31	78.1	2.8	1	15.1	6.23	42.7	126	94.2	484	209	39
3561	Ray, ND	2ND27374	2	39.2	97.9	34	78.2	3.0	1	14.1	6.15	44.6	118	96.7	365	203	34
3562	Ray, ND	2ND27375	2	41.7	99.1	31	77.5	2.5	1	14.7	6.01	42.4	181	95.0	350	222	35
3563	Ray, ND	2ND27377	2	40.8	99.6	29	76.7	2.4	1	15.5	6.25	40.6	155	95.2	461	222	35
3564	Ray, ND	2ND27378	2	40.7	99.3	32	77.9	2.4	1	14.5	5.72	42.3	137	96.3	503	197	38
3565	Ray, ND	2ND27379	2	40.6	99.8	30	77.5	2.4	1	14.8	5.81	40.6	166	87.5	447	202	38
3566	Ray, ND	2ND27380	2	39.9	99.2	31	77.2	2.1	1	14.3	5.56	40.1	165	84.3	480	186	38
3567	Ray, ND	2ND27390	2	39.2	97.9	36	78.4	3.1	1	15.4	6.72	44.8	177	103.4	196	237	37
3568	Ray, ND	2ND27392	2	40.0	99.1	33	77.0	3.4	1	16.0	7.13	45.6	151	102.7	260	263	33
3569	Ray, ND	2ND27394	2	37.5	98.9	33	77.8	3.2	1	14.9	6.49	45.3	141	111.8	270	239	31
3570	Ray, ND	2ND27395	2	38.5	99.6	30	77.6	2.9	1	15.9	7.27	47.6	203	107.8	353	267	28
3571	Ray, ND	2ND27396	2	37.1	98.3	30	77.1	3.0	1	15.5	6.92	46.2	187	111.7	281	252	31
3572	Ray, ND	2ND27397	2	41.0	99.3	32	79.1	3.6	1	14.0	6.97	52.1	126	115.7	309	258	34
3573	Ray, ND	2ND27403	2	39.8	97.7	32	77.6	2.9	1	15.2	6.34	44.1	156	99.2	262	213	33
3574		HARRINGTON MALT CHECK		41.2	97.4	75	81.4	1.6	1	11.3	4.82	44.4	125	86.3	144	193	52
3575	Ray, ND	2ND27404	2	40.7	99.5	28	78.3	2.6	1	14.8	6.18	43.1	198	96.0	300	225	39
3576	Ray, ND	2ND27408	2	40.9	99.7	28	76.9	3.1	1	15.5	6.98	46.1	184	97.1	271	269	35
3577	Ray, ND	2ND27416	2	42.3	99.4	30	76.2	2.2	1	15.0	5.96	39.7	199	103.0	391	211	34

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
3578	Ray, ND	2ND27419	2	44.0	99.3	27	78.0	3.7	1	14.9	7.50	51.0	191	99.3	235	278	35
3579	Ray, ND	2ND27518	2	36.1	99.1	33	76.5	2.5	1	14.7	6.30	44.1	147	128.3	180	243	31
3580	Ray, ND	2ND27625	2	40.1	99.7	29	77.8	2.8	1	14.8	6.24	43.5	166	104.5	341	240	35
3581	Ray, ND	2ND27628	2	36.0	96.5	34	76.9	2.9	1	15.5	6.61	44.9	157	131.4	199	253	31
3582	Ray, ND	2ND27633	2	39.6	98.9	30	77.5	2.4	1	14.2	5.36	39.6	158	103.2	276	194	35
3583	Ray, ND	2ND27667	2	37.0	99.3	31	79.2	2.9	1	16.2	7.43	47.4	168	125.1	176	282	30
3584	Ray, ND	2ND27669	2	38.5	98.8	31	80.0	2.3	1	15.0	6.61	45.5	153	125.0	200	239	40
3585	Ray, ND	2ND27670	2	36.6	94.4	36	77.4	3.0	1	15.9	7.06	46.1	171	120.7	184	264	31
3586	Ray, ND	2ND27671	2	37.7	98.6	30	80.0	2.3	1	15.8	6.81	44.7	163	123.6	128	272	41
3587	Ray, ND	2ND27672	2	35.2	96.9	32	78.0	2.2	1	15.1	6.06	42.4	141	123.8	140	222	38
3588	Ray, ND	2ND27673	2	35.2	96.6	34	77.5	3.1	1	15.5	7.34	48.5	187	112.1	150	280	29
3589	Ray, ND	2ND27674	2	33.1	93.3	33	76.1	2.5	1	15.9	6.90	44.2	218	110.8	221	242	31
3590	Ray, ND	2ND27675	2	38.6	98.5	35	76.5	2.7	1	16.9	7.10	42.6	173	97.7	329	272	33
3591	Ray, ND	2ND27676	2	38.7	97.1	35	75.6	2.5	1	17.0	7.05	42.5	195	113.6	175	253	33
3592	Ray, ND	2ND27677	2	38.1	98.1	31	77.8	2.5	1	16.4	6.75	42.7	188	104.7	195	254	33
3593	Ray, ND	2ND27678	2	36.3	95.9	33	78.8	3.3	1	16.3	7.79	48.1	168	121.7	142	300	33
3594	Ray, ND	2ND27681	2	34.8	97.6	29	76.8	2.8	1	17.1	7.16	43.8	187	118.0	173	254	31
3595	Ray, ND	2ND27692	2	39.0	98.6	37	78.2	1.6	1	15.4	5.47	37.0	166	83.8	639	202	39
3596	Ray, ND	2ND27699	2	35.2	95.3	37	77.6	3.8	1	16.4	8.34	51.9	197	124.5	129	307	29
3597	Ray, ND	2ND27702	2	38.2	98.9	31	77.0	3.1	1	15.8	7.43	48.4	190	117.0	234	279	28
3598	Ray, ND	ROBUST	6	32.9	99.9	34	76.7	1.9	1	16.9	6.96	42.8	289	78.3	151	265	39
3599	Ray, ND	TRADITION	6	32.2	99.9	35	77.2	1.9	1	16.6	6.37	40.0	260	92.2	110	236	38
3600	Ray, ND	STELLAR-ND	6	33.5	99.9	35	77.9	2.7	1	15.8	7.20	47.3	260	99.0	90	272	42
3601	Ray, ND	QUEST	6	32.7	99.8	32	76.9	1.8	1	16.7	6.57	40.5	245	91.4	238	244	31
3602	Ray, ND	CONLON	2	41.4	99.9	29	76.9	2.2	1	16.5	6.30	38.7	170	104.1	527	230	30
3603		LACEY MALT CHECK		33.1	87.5	55	78.8	n.d.	3	12.8	5.34	43.2	133	67.8	141	206	54
3604	Ray, ND	PINNACLE	2	39.2	99.9	31	77.5	1.9	1	15.2	5.79	40.7	178	87.8	171	205	36
3605	Ray, ND	ND23325	6	31.0	99.8	23	79.4	2.1	1	12.4	5.76	48.1	137	92.3	163	219	53
3606	Ray, ND	ND23338	6	32.3	99.8	32	77.0	2.4	1	16.4	7.32	47.2	226	103.6	153	276	34
3607	Ray, ND	ND23497	6	31.4	99.9	31	74.9	2.2	1	18.6	7.24	39.6	304	88.4	145	254	33
3608	Ray, ND	ND23449	6	31.0	100	35	76.6	2.4	1	16.2	7.02	44.0	226	93.3	82	245	42
3609	Ray, ND	ND23536	6	32.6	99.5	35	76.7	2.0	1	16.3	6.62	42.2	265	94.9	112	242	43
3610	Ray, ND	ND23591	6	30.1	99.5	35	76.8	2.4	1	17.2	7.47	45.1	333	108.9	75	295	42
3611	Ray, ND	ND23592	6	30.3	99.5	35	76.6	2.5	1	16.7	7.48	45.6	325	107.7	98	311	42
3612	Ray, ND	ND23611	6	30.2	99.8	30	74.1	2.4	1	16.6	7.08	44.4	264	93.1	115	267	42
3613	Ray, ND	ND23612	6	31.7	99.8	36	75.7	2.6	1	18.3	7.18	41.4	290	98.8	173	281	30
3614	Ray, ND	ND23669	6	30.4	99.8	33	76.2	2.5	1	17.5	6.74	39.8	267	99.6	128	249	33
3615	Ray, ND	ND23766	6	30.8	99.6	30	76.9	2.6	1	18.0	7.40	43.2	268	100.5	99	303	42
3616	Ray, ND	ND23819	6	30.9	99.7	34	76.6	3.2	1	16.5	7.37	46.2	242	109.8	108	307	42
3617	Ray, ND	ND23825	6	30.9	99.7	33	77.0	3.1	1	16.6	7.48	47.8	256	118.6	97	320	37
3618	Ray, ND	ND23893	6	31.1	99.6	30	76.6	2.7	1	17.0	7.27	44.2	234	106.6	93	287	42
3619	Ray, ND	ND23894	6	30.4	99.6	33	76.4	2.8	1	17.2	7.33	43.9	250	102.8	79	275	42
3620	Ray, ND	ND25976	6	33.6	99.5	34	77.2	2.5	1	16.6	6.78	43.1	225	97.1	83	268	43
3621	Ray, ND	ND25643	6	31.1	99.5	31	76.0	2.7	1	16.5	7.15	44.1	228	108.8	140	286	38
3622	Ray, ND	ND25647	6	32.2	99.8	40	76.5	2.5	1	15.8	6.44	41.6	224	93.8	85	240	38
3623	Ray, ND	ND25649	6	32.0	100	37	76.4	2.8	1	16.3	7.27	47.1	277	100.7	142	269	33
3624	Ray, ND	ND25650	6	31.9	99.9	36	76.0	2.9	1	16.4	7.23	46.5	278	94.9	145	266	38
3625	Ray, ND	ND25652	6	33.3	99.8	38	77.2	3.0	1	15.3	7.11	46.8	268	110.1	75	284	43
3626	Ray, ND	ND25654	6	31.2	99.9	35	74.8	2.8	1	16.8	7.13	43.2	201	97.1	79	277	42

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
3627	Ray, ND	ND25656	6	32.3	99.8	38	77.3	2.9	1	15.8	7.47	50.0	265	106.7	90	291	38
3628	Ray, ND	ND25661	6	32.2	99.6	35	75.8	2.9	1	17.6	7.38	43.3	211	108.9	184	272	36
3629	Ray, ND	ND25666	6	32.2	99.6	34	76.0	3.4	1	17.4	7.85	47.1	284	111.3	177	304	31
3630	Ray, ND	ND25667	6	32.6	99.5	34	76.2	3.3	1	16.4	7.45	47.6	267	112.2	216	293	31
3631	Ray, ND	ND25668	6	33.1	99.8	33	75.2	3.0	1	18.0	7.48	43.3	232	99.0	279	279	36
3632		LACEY MALT CHECK		33.6	89.8	56	78.7	2.9	2	13.0	5.35	41.6	128	68.4	127	207	54
3633	Ray, ND	ND25669	6	31.8	99.5	34	74.6	3.2	1	18.9	8.20	45.8	290	104.3	93	313	42
3634	Ray, ND	ND25670	6	32.8	99.8	38	74.9	2.9	1	18.6	7.67	43.2	306	110.0	94	266	43
3635	Ray, ND	ND25671	6	32.4	99.7	38	76.9	3.0	1	17.5	7.80	45.4	251	98.8	150	335	39
3636	Ray, ND	ND25672	6	32.5	98.4	31	74.2	3.5	1	19.6	8.46	43.5	267	124.0	96	359	43
3637	Ray, ND	ND25678	6	30.1	99.6	34	74.7	2.7	1	18.3	7.24	40.5	243	110.3	203	282	30
3638	Ray, ND	ND25680	6	32.0	99.6	35	74.1	3.3	1	17.8	8.01	45.0	274	116.4	91	310	43
3639	Ray, ND	ND25674	6	31.6	99.5	35	76.6	2.8	1	16.5	7.06	43.8	258	107.0	258	279	35
3640	Ray, ND	ND25682	6	33.4	99.3	31	76.7	3.1	1	16.6	7.55	45.7	250	118.7	194	314	36
3641	Ray, ND	ND25683	6	32.4	99.6	33	75.8	2.8	1	17.8	7.73	44.6	268	109.2	194	302	36
3642	Ray, ND	ND25685	6	33.8	99.7	33	76.3	2.9	1	17.7	7.69	44.5	257	108.9	202	302	36
3643	Ray, ND	ND25686	6	33.5	99.5	34	76.1	3.1	1	16.9	7.65	46.8	239	111.6	214	306	36
3644	Ray, ND	ND25688	6	34.5	99.1	37	75.3	2.8	1	18.4	7.38	41.7	196	109.2	141	298	34
3645	Ray, ND	ND25689	6	30.9	99.1	34	75.6	3.3	1	18.5	8.11	46.3	256	110.7	255	318	35
3646	Ray, ND	ND25690	6	33.3	99.3	32	75.5	2.9	1	18.8	8.12	43.9	294	119.9	214	328	36
3647	Ray, ND	ND25691	6	33.8	99.4	33	74.7	2.7	1	18.1	7.62	43.5	294	120.3	285	319	36
3648	Ray, ND	ND25692	6	33.9	99.5	35	76.2	2.9	1	17.5	7.79	44.6	292	106.2	226	312	36
3649	Ray, ND	ND25706	6	33.1	98.9	33	76.7	2.5	1	17.7	7.22	42.4	264	101.6	132	299	39
3650	Ray, ND	ND25707	6	32.3	99	33	75.9	2.4	1	16.9	6.94	41.6	263	103.0	165	284	34
3651	Ray, ND	ND25712	6	32.5	99.3	30	76.0	2.8	1	17.2	7.42	44.0	282	110.2	155	292	39
3652	Ray, ND	ND25714	6	31.7	99.2	34	76.6	3.2	1	17.2	7.57	44.4	247	117.1	141	326	38
3653	Ray, ND	ND25716	6	33.0	99.4	35	76.8	2.8	1	16.7	7.20	44.6	252	109.1	120	296	43
3654	Ray, ND	ND25733	6	32.0	99.4	38	75.4	2.2	1	16.0	6.27	41.2	242	93.6	366	219	30
3655	Ray, ND	ND25737	6	31.8	98.8	34	75.6	2.6	1	16.4	6.65	41.8	227	101.0	79	261	37
3656	Ray, ND	ND25768	6	31.7	97.7	34	76.0	3.4	1	17.8	7.90	44.6	287	108.2	192	307	35
3657	Ray, ND	ND26033	6	31.7	99.3	38	75.5	3.0	1	16.9	7.30	44.0	304	120.3	166	289	38
3658	Ray, ND	ND26034	6	30.0	99.5	38	75.6	3.3	1	16.5	7.53	47.0	275	116.1	131	296	31
3659	Ray, ND	ND26048	6	28.9	98.9	36	73.9	2.7	1	17.8	6.71	38.8	280	125.7	213	259	28
3660	Ray, ND	ND26104	6	32.1	99.8	33	74.9	2.7	1	18.2	6.99	38.9	267	120.5	175	265	31
3661		LACEY MALT CHECK		33.3	92.1	57	79.1	2.3	2	12.5	5.28	44.3	142	80.1	140	200	63
3662	Ray, ND	ND26105	6	32.0	99.2	34	76.3	2.8	1	17.2	7.33	43.1	232	129.0	92	301	43
3663	Ray, ND	ND26212	6	32.0	99.4	34	76.5	2.8	1	16.2	6.94	43.7	266	123.9	124	280	38
3664	Ray, ND	ND26229	6	29.8	99.6	29	75.0	2.7	1	17.2	7.14	42.4	213	103.7	62	272	40
3665	Ray, ND	ND26284	6	31.9	99.8	36	78.3	3.4	1	15.7	7.44	48.0	233	110.2	100	315	44
3666	Ray, ND	ND26288	6	32.6	99.4	38	77.7	2.7	1	15.5	6.35	42.3	232	92.6	114	266	47
3667	Ray, ND	ND26289	6	32.2	99.2	37	77.2	3.3	1	16.1	6.69	41.8	228	93.0	114	268	38
3668	Ray, ND	ND26729	6	34.8	99.2	32	78.2	3.0	1	16.0	7.15	45.8	277	97.0	94	274	47
3669	Ray, ND	ND26731	6	33.8	99.5	30	77.8	3.4	1	17.4	7.90	47.6	286	95.6	104	304	42
3670	Ray, ND	ND26732	6	34.2	99.3	32	77.7	3.0	1	16.8	7.20	43.9	268	93.0	139	301	43
3671	Ray, ND	ND26745	6	33.3	98.8	34	77.1	3.1	1	16.6	7.18	44.6	263	99.2	85	301	43
3672	Ray, ND	ND26925	6	33.4	99.5	30	77.5	3.0	1	17.4	7.58	44.3	298	95.5	86	282	43
3673	Ray, ND	ND26750	6	33.0	98.9	35	76.5	2.7	1	16.0	6.42	41.9	242	87.5	147	248	34
3674	Ray, ND	ND26945	6	33.9	98.9	29	77.3	3.7	1	17.6	8.15	47.7	253	104.3	63	330	38
3675	Ray, ND	ND27090	6	32.3	98.3	36	77.4	3.1	1	15.4	6.96	45.1	238	94.7	85	269	43

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3676	Ray, ND	ND27117	6	31.8	99	32	77.7	3.5	1	15.9	7.29	47.9	229	106.9	132	302	33
3677	Ray, ND	ND27118	6	32.5	98.4	35	76.4	3.1	1	16.4	6.83	42.6	245	91.3	187	271	36
3678	Ray, ND	ND27119	6	32.2	99	33	75.8	2.8	1	16.5	6.54	40.5	235	87.8	197	243	31
3679	Ray, ND	ND27185	6	31.3	98.9	34	77.5	3.5	1	15.3	7.24	49.4	221	92.7	75	295	37
3680	Ray, ND	ND27243	6	31.7	98.7	33	77.4	3.2	1	16.5	7.28	44.8	222	100.9	151	288	38
3681	Ray, ND	ND27247	6	32.2	98.7	33	76.7	3.8	1	18.0	8.19	46.4	248	105.4	125	348	39
3682	Ray, ND	ND27282	6	30.5	98.7	35	74.9	2.4	1	18.2	6.87	38.6	322	85.8	252	261	30
3683	Ray, ND	ND27306	6	31.1	99.4	32	75.4	3.0	1	16.6	7.45	46.2	252	95.1	98	296	42
3684	Ray, ND	ND27307	6	31.5	99.2	35	75.4	2.8	1	17.3	7.32	44.9	281	97.0	86	308	42
3685	Ray, ND	ND27326	6	29.9	99.1	34	76.1	3.5	1	17.0	7.53	44.4	253	100.2	88	327	40
3686	Ray, ND	ND28246	6	33.0	98.7	34	76.2	3.2	1	16.7	7.24	44.3	276	98.2	102	296	43
3687	Ray, ND	ND28256	6	31.7	97.7	33	76.8	3.4	1	16.2	7.27	45.5	258	107.7	75	326	42
3688	Ray, ND	ND28257	6	32.9	98.6	36	77.7	4.0	1	16.1	7.81	48.6	267	116.6	65	357	38
3689	Ray, ND	ND28261	6	34.7	99	33	78.6	4.2	1	16.6	7.83	48.3	243	102.4	57	338	45
3690		LACEY MALT CHECK		33.4	88.1	55	79.3	2.5	2	12.7	5.28	44.7	132	68.5	106	216	66
3691	Aberdeen, ID	01Ab8219/Stellar	6	35.1	95.8	77	80.6	1.9	1	11.9	5.05	44.4	148	83.3	73	200	64
3692	Aberdeen, ID	01Ab8219/Stellar	6	38.4	97.1	78	81.7	2.4	1	11.6	5.79	51.3	128	100.9	97	231	58
3693	Aberdeen, ID	01Ab8219/Stellar	6	43.4	98.4	69	81.8	2.6	1	11.1	5.48	50.0	98	85.0	202	229	46
3694	Aberdeen, ID	01Ab8219/Stellar	6	39.0	97.9	78	80.6	2.2	1	13.1	5.81	48.1	174	92.3	85	241	61
3695	Aberdeen, ID	01Ab8219/Stellar	6	41.5	97.9	65	82.5	2.4	1	12.0	5.81	49.0	95	96.9	176	248	47
3696	Aberdeen, ID	01Ab8219/Stellar	6	37.7	95.3	75	82.0	2.0	1	10.7	4.81	48.6	115	83.2	122	184	40
3697	Aberdeen, ID	01Ab8219/Stellar	6	36.8	96.2	83	82.5	2.3	1	11.2	5.43	51.3	132	95.7	115	222	57
3698	Aberdeen, ID	01Ab8219/Stellar	6	42.1	97.6	75	83.3	2.3	1	11.5	5.62	51.3	105	86.8	108	234	58
3699	Aberdeen, ID	01Ab8219/Stellar	6	39.6	95.6	72	83.0	2.2	1	11.5	5.48	52.1	108	86.4	138	230	49
3700	Aberdeen, ID	01Ab8219/Stellar	6	41.2	98.5	80	80.5	2.4	1	13.1	6.16	49.0	136	96.5	135	259	51
3701	Aberdeen, ID	01Ab8219/Stellar	6	42.5	98.8	77	82.7	2.5	1	10.9	5.32	52.0	102	90.1	187	225	46
3702	Aberdeen, ID	01Ab8219/Stellar	6	40.9	98.9	75	81.0	2.5	1	12.8	5.78	48.9	134	91.0	131	242	54
3703	Aberdeen, ID	01Ab8219/Stellar	6	39.1	98.7	85	81.0	2.7	1	12.4	5.99	49.5	130	99.0	79	257	58
3704	Aberdeen, ID	01Ab8219/Stellar	6	39.9	97.6	83	81.6	2.5	1	11.8	5.71	49.7	121	107.2	75	223	58
3705	Aberdeen, ID	01Ab8219/Stellar	6	35.7	95.6	82	79.0	1.8	1	13.9	5.88	43.9	181	97.7	191	243	54
3706	Aberdeen, ID	01Ab8219/Stellar	6	41.3	97.6	76	82.2	1.9	1	11.2	4.96	46.6	127	91.7	82	204	58
3707	Aberdeen, ID	01Ab8219/Stellar	6	36.8	93.7	75	82.0	2.0	1	11.1	5.25	49.0	154	98.1	78	217	60
3708	Aberdeen, ID	01Ab8219/Stellar	6	41.7	98.5	77	83.7	2.5	1	11.5	5.85	54.7	86	100.2	120	265	50
3709	Aberdeen, ID	01Ab8219/Stellar	6	37.5	96.5	81	81.7	2.0	1	12.3	5.74	48.0	164	100.3	74	245	61
3710	Aberdeen, ID	01Ab8219/Stellar	6	38.8	97.8	74	82.8	2.2	1	10.1	4.86	50.5	103	86.2	97	208	49
3711	Aberdeen, ID	01Ab8219/Stellar	6	39.6	99	77	79.0	1.9	1	13.4	5.97	45.7	146	90.2	97	245	63
3712	Aberdeen, ID	01Ab8219/Stellar	6	37.0	96.8	76	81.0	2.2	1	12.3	5.32	45.6	146	93.6	101	220	70
3713	Aberdeen, ID	01Ab8219/Stellar	6	35.8	93.9	82	80.3	1.8	1	12.0	5.17	45.8	158	94.9	109	215	66
3714	Aberdeen, ID	01Ab8219/Stellar	6	39.7	96.6	73	82.6	2.6	2	10.6	5.17	51.9	118	84.9	110	195	46
3715	Aberdeen, ID	01Ab8219/Stellar	6	40.4	97.9	74	83.1	2.4	1	11.2	5.37	51.7	104	90.7	185	208	46
3716	Aberdeen, ID	01Ab8219/Stellar	6	41.6	98.8	75	83.4	2.9	2	10.7	5.27	51.6	98	85.5	164	215	48
3717	Aberdeen, ID	01Ab8219/Stellar	6	40.9	97.3	71	83.1	2.1	1	11.2	5.42	51.3	108	83.4	192	205	46
3718	Aberdeen, ID	01Ab8219/Stellar	6	39.7	98.5	82	80.4	2.5	1	13.2	6.25	49.4	150	98.6	110	242	58
3719		LACEY MALT CHECK		33.3	88	57	78.4	2.4	2	13.0	5.13	40.5	135	55.0	158	184	45
3720	Aberdeen, ID	01Ab8219/Stellar	6	36.6	93.9	82	81.0	2.5	2	12.0	5.27	48.0	162	101.2	71	208	64
3721	Aberdeen, ID	01Ab8219/Stellar	6	41.5	98.2	78	81.7	2.7	1	11.6	5.73	52.8	121	107.7	105	246	58
3722	Aberdeen, ID	01Ab8219/Stellar	6	41.2	98.6	74	81.1	2.4	1	11.0	5.06	49.7	118	86.2	141	197	43
3723	Aberdeen, ID	01Ab8219/Stellar	6	40.6	98.5	72	81.6	2.2	1	12.3	5.37	45.8	141	81.9	221	230	63
3724	Aberdeen, ID	01Ab8219/Stellar	6	40.7	98.3	79	80.8	2.8	1	12.5	5.87	50.5	110	103.5	98	244	54

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3725	Aberdeen, ID	01Ab8219/Stellar	6	34.3	93.8	81	80.3	2.3	1	12.2	5.09	43.5	145	85.4	86	202	66
3726	Aberdeen, ID	01Ab8219/Stellar	6	43.0	97.5	75	82.5	2.4	1	10.2	5.08	54.8	81	86.0	187	201	42
3727	Aberdeen, ID	01Ab8219/Stellar	6	39.5	97.3	68	82.3	2.7	1	11.4	5.39	51.6	72	92.3	133	229	49
3728	Aberdeen, ID	01Ab8219/Stellar	6	38.7	98.1	82	80.2	2.1	1	13.0	5.36	43.4	140	85.8	157	209	63
3729	Aberdeen, ID	01Ab8219/Stellar	6	45.3	98.3	77	81.9	2.7	1	11.9	5.75	49.6	113	96.0	163	232	50
3730	Aberdeen, ID	01Ab8219/Stellar	6	39.7	97.4	74	83.2	2.3	1	10.7	5.13	50.1	102	96.1	249	206	42
3731	Aberdeen, ID	01Ab8219/Stellar	6	41.4	96.9	79	82.2	2.2	1	10.7	4.82	48.1	108	83.3	79	191	47
3732	Aberdeen, ID	01Ab8219/Stellar	6	39.3	97.6	83	81.8	2.3	1	10.5	4.88	47.7	84	82.3	95	197	47
3733	Aberdeen, ID	01Ab8219/Stellar	6	39.8	98.7	78	80.7	2.2	1	13.2	5.76	47.0	136	89.6	156	224	54
3734	Aberdeen, ID	01Ab8219/Stellar	6	38.7	97.9	79	81.8	2.6	1	11.8	5.69	49.7	139	95.4	84	224	62
3735	Aberdeen, ID	01Ab8219/Stellar	6	40.9	97.4	78	82.1	2.3	1	10.9	5.33	51.7	85	90.5	128	213	49
3736	Aberdeen, ID	01Ab8219/Stellar	6	37.7	94.3	74	82.8	2.7	1	11.4	5.42	50.2	93	95.3	105	213	53
3737	Aberdeen, ID	01Ab8219/Stellar	6	39.3	95.6	71	81.9	2.1	1	11.5	4.95	47.1	116	86.0	85	184	44
3738	Aberdeen, ID	01Ab8219/Stellar	6	38.9	98.2	78	80.2	2.2	1	12.8	5.45	42.9	154	88.1	153	202	66
3739	Aberdeen, ID	01Ab8219/Stellar	6	39.9	97.1	78	80.9	2.2	1	11.4	5.06	47.0	93	82.4	138	199	43
3740	Aberdeen, ID	01Ab8219/Stellar	6	38.1	95.6	79	82.2	2.2	1	10.2	4.47	46.3	92	75.9	110	166	46
3741	Aberdeen, ID	01Ab8219/Stellar	6	39.0	97.6	79	79.5	2.1	1	12.2	5.42	46.3	122	89.7	86	201	67
3742	Aberdeen, ID	01Ab8219/Stellar	6	39.2	93.5	79	81.3	2.0	1	12.0	5.32	47.2	151	100.5	131	209	61
3743	Aberdeen, ID	01Ab8219/Stellar	6	37.0	97.7	81	79.0	2.0	1	12.9	5.42	43.1	136	85.9	77	211	67
3744	Aberdeen, ID	01Ab8219/Stellar	6	40.6	98.2	77	82.7	2.4	1	10.7	5.35	51.2	106	111.3	109	224	53
3745	Aberdeen, ID	01Ab8219/Stellar	6	39.3	97.2	80	81.3	2.1	1	11.7	5.25	48.4	129	98.3	106	206	62
3746	Aberdeen, ID	01Ab8219/Stellar	6	37.4	97.3	83	81.1	2.1	1	11.9	5.46	46.5	146	90.2	73	213	70
3747	Aberdeen, ID	01Ab8219/Stellar	6	41.8	99	82	80.9	2.6	1	13.1	6.04	48.5	165	89.3	98	239	58
3748		LACEY MALT CHECK		33.2	89.4	57	78.7	2.2	1	12.9	5.13	42.4	143	66.6	77	193	61
3749	Aberdeen, ID	01Ab8219/Stellar	6	39.0	96.2	78	82.0	2.2	1	11.2	4.96	48.3	91	81.0	118	193	47
3750	Aberdeen, ID	01Ab8219/Stellar	6	40.3	97.2	78	82.9	2.4	1	10.5	4.93	50.0	90	87.5	148	200	43
3751	Aberdeen, ID	01Ab8219/Stellar	6	39.2	96.9	83	81.2	2.4	1	11.1	5.17	48.5	107	97.2	112	200	49
3752	Aberdeen, ID	01Ab8219/Stellar	6	38.8	99.3	75	79.8	2.7	1	13.6	5.97	45.7	119	96.3	149	228	50
3753	Aberdeen, ID	01Ab8219/Stellar	6	37.9	95.6	70	81.7	2.3	1	10.9	5.23	50.5	85	95.6	84	201	53
3754	Aberdeen, ID	01Ab8219/Stellar	6	41.7	98.2	70	81.2	2.3	1	11.2	5.30	51.9	85	87.2	124	195	47
3755	Aberdeen, ID	01Ab8219/Stellar	6	37.7	99.3	76	77.9	2.2	2	14.2	5.80	43.0	201	91.1	80	192	47
3756	Aberdeen, ID	01Ab8219/Stellar	6	40.8	97.2	73	82.9	2.2	1	10.1	4.92	53.0	119	93.4	114	177	44
3757	Aberdeen, ID	01Ab8219/Stellar	6	40.9	98.1	72	81.7	2.5	1	11.8	5.68	50.3	76	93.2	97	236	58
3758	Aberdeen, ID	01Ab8219/Stellar	6	39.1	97.3	78	81.0	2.1	2	10.9	4.68	43.2	101	69.0	109	175	45
3759	Aberdeen, ID	01Ab8219/Stellar	6	38.2	96.2	81	82.3	2.4	1	11.0	5.45	50.4	120	109.0	80	219	57
3760	Aberdeen, ID	01Ab8219/Stellar	6	36.9	91.7	74	80.9	2.1	2	11.1	4.82	46.4	133	90.5	69	184	52
3761	Aberdeen, ID	01Ab8219/Stellar	6	42.5	97.2	81	82.4	2.8	2	10.8	5.10	51.3	106	87.1	110	196	46
3762	Aberdeen, ID	01Ab8219/Stellar	6	38.5	98.2	80	81.1	2.4	1	11.6	5.50	49.4	148	104.5	55	194	63
3763	Aberdeen, ID	01Ab8219/Stellar	6	37.4	97.6	78	80.8	2.2	1	12.1	5.22	44.8	131	97.1	53	207	67
3764	Aberdeen, ID	01Ab8219/Stellar	6	39.7	94.8	81	81.4	2.2	1	10.8	4.96	50.2	113	97.6	63	194	47
3765	Aberdeen, ID	01Ab8219/Stellar	6	39.0	96.2	77	81.0	2.3	2	11.2	4.97	46.1	106	83.9	89	187	48
3766	Aberdeen, ID	01Ab8219/Stellar	6	39.7	97.1	74	83.3	2.2	1	10.1	4.81	50.1	104	88.9	162	189	40
3767	Aberdeen, ID	01Ab8219/Stellar	6	36.8	96.7	82	81.1	2.0	1	11.8	5.37	47.9	160	99.0	78	209	65
3768	Aberdeen, ID	01Ab8219/Stellar	6	38.6	98	80	80.6	2.2	2	12.6	5.41	44.3	167	87.6	120	202	69
3769	Aberdeen, ID	01Ab8219/Stellar	6	37.7	95.3	80	80.2	2.3	2	12.1	5.40	47.3	138	85.9	176	212	54
3770	Aberdeen, ID	01Ab8219/Stellar	6	41.3	96.9	69	83.1	2.6	2	11.9	5.90	53.1	116	92.8	169	233	49
3771	Aberdeen, ID	01Ab8219/Stellar	6	38.6	97.7	80	81.3	2.2	2	12.6	5.72	47.4	147	91.6	85	222	60
3772	Aberdeen, ID	01Ab8219/Stellar	6	38.9	98.5	81	80.6	2.3	1	11.9	5.47	49.4	119	86.0	68	212	58
3773	Aberdeen, ID	01Ab8219/Stellar	6	42.0	97.9	74	82.4	2.7	2	11.6	5.77	51.5	100	97.6	153	227	49

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
3774	Aberdeen, ID	01Ab8219/Stellar	6	40.7	98.6	81	81.5	n.d.	3	11.4	5.13	48.4	125	80.0	92	194	49
3775	Aberdeen, ID	01Ab8219/Stellar	6	40.6	98.6	78	81.1	2.4	2	12.0	5.43	48.4	119	78.8	89	209	57
3776	Aberdeen, ID	01Ab8219/Stellar	6	43.6	98.5	68	82.6	2.8	1	11.5	5.68	52.8	103	88.8	159	226	49
3777		LACEY MALT CHECK		33.4	88.4	53	78.9	n.d.	3	12.8	5.18	42.4	134	68.4	87	185	53
3778	Aberdeen, ID	01Ab8219/Stellar	6	41.6	98.8	73	82.5	2.4	2	10.3	5.00	51.6	85	83.2	158	200	42
3779	Aberdeen, ID	01Ab8219/Stellar	6	39.9	98.7	77	80.6	2.4	2	13.5	6.02	46.7	171	90.6	78	229	57
3780	Aberdeen, ID	01Ab8219/Stellar	6	36.9	96.5	80	80.9	n.d.	3	12.0	5.18	45.9	155	87.4	114	189	59
3781	Aberdeen, ID	01Ab8219/Stellar	6	41.4	98.6	70	81.8	2.2	1	11.1	5.18	47.5	96	86.2	88	197	47
3782	Aberdeen, ID	01Ab8219/Stellar	6	38.7	98	80	81.1	2.1	2	13.2	6.13	48.1	195	86.7	125	235	53
3783	Aberdeen, ID	01Ab8219/Stellar	6	35.9	91.9	79	82.4	2.1	2	11.3	5.19	47.1	139	86.5	87	201	52
3784	Aberdeen, ID	01Ab8219/Stellar	6	38.2	97.8	82	81.4	2.5	1	12.0	5.26	47.6	125	87.6	112	204	62
3785	Aberdeen, ID	01Ab8219/Stellar	6	40.5	98.9	79	81.2	2.5	1	12.3	5.81	49.1	115	95.6	101	221	54
3786	Aberdeen, ID	01Ab8219/Stellar	6	41.0	98.6	76	83.4	2.6	1	11.2	5.42	51.2	108	84.6	148	202	49
3787	Aberdeen, ID	01Ab8219/Stellar	6	39.1	96.5	75	81.5	2.4	1	10.8	5.04	50.8	108	87.4	108	189	44
3788	Aberdeen, ID	01Ab8219/Stellar	6	41.4	97.4	77	82.6	2.4	1	11.2	5.33	51.6	93	93.0	161	203	49
3789	Aberdeen, ID	01Ab8219/Stellar	6	39.9	97.3	77	82.2	2.6	1	11.3	5.44	49.4	96	96.0	98	207	53
3790	Aberdeen, ID	01Ab8219/Stellar	6	42.1	98.9	79	79.8	2.5	1	13.7	6.03	46.9	150	98.9	185	246	51
3791	Aberdeen, ID	01Ab8219/Stellar	6	37.0	98.2	81	80.6	1.9	1	11.9	5.09	45.6	167	90.8	63	194	64
3792	Aberdeen, ID	01Ab8219/Stellar	6	36.5	96.2	80	79.9	2.0	1	12.2	4.92	42.9	183	80.5	78	185	61
3793	Aberdeen, ID	01Ab8219/Stellar	6	38.2	97.4	81	81.6	2.4	1	12.0	5.73	49.9	141	97.1	107	235	61
3794	Aberdeen, ID	01Ab8219/Stellar	6	38.6	97.1	80	82.5	2.5	1	11.0	5.18	50.6	119	87.5	190	198	40
3795	Aberdeen, ID	01Ab8219/Stellar	6	41.4	99.1	79	79.9	2.4	1	13.4	6.12	47.0	154	92.3	129	245	59
3796	Aberdeen, ID	01Ab8219/Stellar	6	40.1	96.5	78	81.7	2.2	1	11.5	5.20	48.0	127	90.1	104	209	53
3797	Aberdeen, ID	01Ab8219/Stellar	6	39.2	96.9	74	82.7	2.4	1	11.4	5.14	46.2	123	85.3	172	207	51
3798	Aberdeen, ID	01Ab8219/Stellar	6	38.5	98.2	82	81.8	2.5	1	12.4	5.65	49.0	144	86.3	131	223	61
3799	Aberdeen, ID	01Ab8219/Stellar	6	36.7	96.6	74	81.3	2.4	2	11.4	5.01	48.0	124	80.3	99	201	52
3800	Aberdeen, ID	01Ab8219/Stellar	6	37.4	96.7	75	82.1	2.0	1	11.2	4.74	46.4	114	78.9	140	183	42
3801	Aberdeen, ID	01Ab8219/Stellar	6	38.5	96.4	80	81.9	2.3	1	10.9	4.91	48.1	103	77.4	113	192	47
3802	Aberdeen, ID	01Ab8219/Stellar	6	38.7	98.2	79	80.3	2.5	1	13.2	6.01	47.7	134	88.9	105	239	55
3803	Aberdeen, ID	01Ab8219/Stellar	6	40.1	96.9	81	82.1	2.6	1	11.7	5.90	51.1	135	92.8	122	240	54
3804	Aberdeen, ID	01Ab8219/Stellar	6	37.0	97.7	78	80.5	2.2	1	12.4	5.25	44.0	155	81.1	77	186	65
3805	Aberdeen, ID	01Ab8219/Stellar	6	40.3	96.6	77	82.9	2.2	1	11.0	5.11	47.8	103	80.0	87	193	47
3806		LACEY MALT CHECK		32.7	88.2	58	79.5	2.7	2	13.1	5.38	41.7	141	68.4	90	202	64
3807	Aberdeen, ID	01Ab8219/Stellar	6	38.6	95	71	82.5	2.5	1	10.5	5.10	49.9	92	93.1	123	207	45
3808	Aberdeen, ID	01Ab8219/Stellar	6	36.9	96.7	84	82.0	2.1	1	11.3	5.03	46.1	130	88.6	93	198	56
3809	Aberdeen, ID	01Ab8219/Stellar	6	38.7	98.1	79	81.0	2.3	1	12.9	5.87	46.1	165	89.0	112	227	66
3810	Aberdeen, ID	01Ab8219/Stellar	6	41.0	98.1	80	82.4	2.8	1	12.0	6.10	53.3	127	99.0	87	250	55
3811	Aberdeen, ID	01Ab8219/Stellar	6	39.3	98.5	80	81.6	2.6	1	12.3	5.61	48.7	120	101.7	93	223	58
3812	Aberdeen, ID	01Ab8219/Stellar	6	40.4	98.7	80	81.9	3.1	1	12.1	5.98	50.6	124	99.9	123	234	54
3813	Aberdeen, ID	01Ab8219/Stellar	6	39.5	95.9	80	82.4	2.1	1	11.0	5.05	46.4	128	91.4	91	204	58
3814	Aberdeen, ID	01Ab8219/Stellar	6	38.5	97.5	79	82.1	2.0	1	11.9	5.58	48.2	160	91.5	114	227	65
3815	Aberdeen, ID	01Ab8219/Stellar	6	39.7	98.3	83	81.7	2.6	1	12.2	6.12	51.3	141	100.7	97	252	58
3816	Aberdeen, ID	01Ab8219/Stellar	6	40.0	97.4	82	82.1	2.8	1	12.2	6.30	52.5	139	107.0	111	255	55
3817	Aberdeen, ID	01Ab8219/Stellar	6	38.7	98	83	81.1	2.5	1	11.3	5.36	49.5	115	90.4	99	212	53
3818	Aberdeen, ID	01Ab8219/Stellar	6	39.7	98.5	79	81.6	2.6	1	12.2	6.08	50.5	137	103.0	128	241	51
3819	Aberdeen, ID	01Ab8219/Stellar	6	38.7	94.6	79	83.6	2.5	1	10.6	5.36	51.1	96	91.4	150	214	49
3820	Aberdeen, ID	01Ab8219/Stellar	6	37.1	98.2	79	81.1	2.0	1	12.2	5.63	47.0	158	89.5	123	215	66
3821	Aberdeen, ID	01Ab8219/Stellar	6	39.4	98.8	79	80.5	3.0	1	12.7	6.33	51.7	104	104.2	119	258	51
3822	Aberdeen, ID	01Ab8219/Stellar	6	40.9	98.2	82	81.4	2.9	1	11.8	5.92	50.4	121	91.3	101	234	58

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3823	Aberdeen, ID	01Ab8219/Stellar	6	40.9	96.2	77	82.2	2.5	1	10.7	5.21	51.3	95	88.8	87	206	53
3824	Aberdeen, ID	01Ab8219/Stellar	6	40.3	94.2	77	82.4	2.5	1	10.7	5.14	50.1	97	89.4	105	201	49
3825	Aberdeen, ID	01Ab8219/Stellar	6	39.5	98.3	77	82.1	2.2	1	11.8	5.52	48.0	147	103.1	172	214	58
3826	Aberdeen, ID	01Ab8219/Stellar	6	40.3	97.9	70	81.7	2.2	1	11.4	5.33	48.3	83	96.6	95	224	53
3827	Aberdeen, ID	01Ab8219/Stellar	6	38.0	96.6	85	80.7	2.2	1	11.7	5.54	47.6	135	117.4	107	233	62
3828	Aberdeen, ID	01Ab8219/Stellar	6	38.0	97.2	80	81.1	2.0	1	13.4	5.83	45.3	188	95.5	90	229	66
3829	Aberdeen, ID	01Ab8219/Stellar	6	39.3	98.6	80	81.2	2.3	1	12.8	6.20	49.2	146	105.3	151	255	54
3830	Aberdeen, ID	01Ab8219/Stellar	6	38.9	94.7	80	82.1	1.9	1	10.7	4.86	46.1	127	84.0	127	187	49
3831	Aberdeen, ID	01Ab8219/Stellar	6	39.0	96.3	71	82.8	2.2	1	10.2	5.06	50.7	96	98.7	86	197	47
3832	Aberdeen, ID	01Ab8219/Stellar	6	39.0	97.2	75	82.1	2.4	1	11.4	5.61	52.2	108	111.7	81	232	53
3833	Aberdeen, ID	01Ab8219/Stellar	6	38.9	98.4	76	82.5	2.4	1	12.1	6.07	51.0	108	115.2	108	253	51
3834		LACEY MALT CHECK		33.1	90	55	79.5	n.d.	3	12.4	5.29	43.0	139	70.6	146	198	59
3835	Aberdeen, ID	01Ab8219/Stellar	6	39.3	96.1	75	82.1	2.4	1	10.8	5.59	52.1	123	102.4	91	214	57
3836	Aberdeen, ID	01Ab8219/Stellar	6	43.4	98.8	76	82.3	2.8	1	11.2	5.88	52.9	98	105.9	111	230	49
3837	Aberdeen, ID	01Ab8219/Stellar	6	38.2	95.6	77	81.4	1.9	1	11.1	4.77	44.6	131	81.4	80	184	50
3838	Aberdeen, ID	01Ab8219/Stellar	6	39.1	98.2	80	79.3	2.0	2	13.7	5.78	43.4	192	100.8	66	225	60
3839	Aberdeen, ID	01Ab8219/Stellar	6	43.1	97.8	72	83.7	2.6	1	10.9	5.46	53.9	94	105.8	152	223	49
3840	Aberdeen, ID	01Ab8219/Stellar	6	38.6	91.1	81	80.9	2.0	1	11.2	4.97	47.0	140	96.5	58	185	53
3841	Aberdeen, ID	01Ab8219/Stellar	6	39.3	95.6	74	81.5	2.2	2	9.9	4.51	48.0	113	86.2	61	160	40
3842	Aberdeen, ID	01Ab8219/Stellar	6	42.1	97.6	75	83.2	2.5	1	11.1	5.53	53.3	91	106.8	102	241	53
3843	Aberdeen, ID	01Ab8219/Stellar	6	39.2	97.2	81	82.5	2.5	1	11.5	5.62	51.3	123	108.4	128	224	53
3844	Aberdeen, ID	01Ab8219/Stellar	6	37.6	98.9	81	81.3	2.1	1	12.5	5.57	46.8	154	100.8	115	212	70
3845	Aberdeen, ID	01Ab8219/Stellar	6	39.3	96.4	72	82.4	n.d.	3	9.6	4.67	51.7	93	84.1	100	193	42
3846	Aberdeen, ID	01Ab8219/Stellar	6	36.1	96.3	79	81.2	2.0	1	11.9	5.16	46.1	133	96.1	79	201	63
3847	Aberdeen, ID	01Ab8219/Stellar	6	38.2	98	79	81.4	2.4	1	11.3	5.25	48.9	113	104.9	68	212	53
3848	Aberdeen, ID	01Ab8219/Stellar	6	38.7	94.1	75	82.2	2.3	1	11.2	5.11	48.4	115	92.4	90	200	49
3849	Aberdeen, ID	01Ab8219/Stellar	6	40.2	98.7	80	82.3	2.3	2	11.3	5.17	48.4	113	89.5	133	209	44
3850	Aberdeen, ID	01Ab8219/Stellar	6	39.0	97.8	80	82.1	n.d.	3	10.5	4.77	49.1	92	81.7	90	193	42
3851	Aberdeen, ID	01Ab8219/Stellar	6	38.9	98.2	77	82.7	2.4	2	11.2	5.01	47.4	100	85.8	130	204	44
3852	Aberdeen, ID	01Ab8219/Stellar	6	37.2	94.9	81	82.3	2.3	2	10.8	4.80	45.2	113	84.9	77	195	48
3853	Aberdeen, ID	01Ab8219/Stellar	6	38.9	94.5	79	82.1	2.2	1	11.2	5.17	47.5	133	95.6	94	218	53
3854	Aberdeen, ID	01Ab8219/Stellar	6	41.0	97.6	76	82.0	2.1	1	11.4	5.23	49.5	104	82.1	114	195	51
3855	Aberdeen, ID	01Ab8219/Stellar	6	39.8	98.9	81	79.7	2.5	1	13.1	6.02	49.3	132	98.7	73	247	55
3856	Aberdeen, ID	01Ab8219/Stellar	6	38.6	98.4	76	81.6	2.6	1	12.4	5.59	47.5	114	98.1	100	218	58
3857	Aberdeen, ID	01Ab8219/Stellar	6	40.0	98.5	85	81.9	2.7	1	11.4	5.69	52.7	104	102.8	74	241	53
3858	Aberdeen, ID	01Ab8219/Stellar	6	40.2	98.4	81	80.8	2.4	1	13.3	6.12	47.0	123	111.7	110	235	55
3859	Aberdeen, ID	01Ab8219/Stellar	6	43.0	98.1	74	83.4	2.9	1	11.5	5.80	54.2	90	92.3	168	238	50
3860	Aberdeen, ID	01Ab8219/Stellar	6	40.0	97.8	81	80.6	2.3	1	12.4	5.57	47.9	142	95.3	79	218	65
3861	Aberdeen, ID	01Ab8219/Stellar	6	37.0	94.9	81	81.2	1.9	1	11.5	5.08	47.7	152	92.1	81	203	61
3862	Aberdeen, ID	01Ab8219/Stellar	6	38.6	95.9	72	84.5	2.5	1	10.4	5.06	52.1	114	102.5	139	192	43
3863		LACEY MALT CHECK		32.8	90	60	79.3	2.4	1	12.5	5.29	43.7	139	72.0	73	193	65
3864	Aberdeen, ID	01Ab8219/Stellar	6	37.2	94.5	74	82.3	2.2	1	10.9	5.07	49.5	122	94.2	71	191	51
3865	Aberdeen, ID	01Ab8219/Stellar	6	41.5	95.7	78	82.8	2.2	1	10.6	4.74	47.8	122	87.9	110	176	45
3866	Aberdeen, ID	01Ab8219/Stellar	6	39.3	98.7	74	80.1	2.7	1	13.8	6.24	46.8	144	102.9	158	230	54
3867	Aberdeen, ID	01Ab8219/Stellar	6	40.4	98.8	78	79.0	2.9	1	14.8	6.64	47.0	139	110.8	138	247	41
3868	Aberdeen, ID	01Ab8219/Stellar	6	40.3	97.7	75	83.3	2.2	1	11.4	5.43	49.7	119	97.1	139	205	49
3869	Aberdeen, ID	01Ab8219/Stellar	6	35.1	90.3	87	80.8	2.0	1	11.1	4.71	44.8	130	88.5	68	167	50
3870	Aberdeen, ID	01Ab8219/Stellar	6	40.9	97	75	84.1	2.8	1	10.7	5.44	53.5	88	102.1	178	216	46
3871	Aberdeen, ID	01Ab8219/Stellar	6	40.7	98.6	68	82.5	3.1	1	12.6	6.20	51.4	95	100.6	149	251	47

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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	Aberdeen, ID	01Ab8219/Stellar	6	40.6	98.8	66	83.1	2.9	1	11.7	5.89	54.2	96	95.7	156	228	50
3873	Aberdeen, ID	01Ab8219/Stellar	6	40.2	99.1	81	82.8	2.9	1	10.8	5.24	52.6	109	95.4	69	198	51
3874	Aberdeen, ID	01Ab8219/Stellar	6	39.0	98.3	78	81.4	2.2	1	12.2	5.77	48.4	174	105.7	68	212	61
3875	Aberdeen, ID	01Ab8219/Stellar	6	36.7	97.5	83	79.5	1.7	1	12.7	5.34	42.0	199	96.8	155	183	56
3876	Aberdeen, ID	01Ab8219/Stellar	6	40.9	98.8	80	81.7	2.7	1	12.5	6.01	51.2	121	104.7	120	225	55
3877	Aberdeen, ID	1, 201, 401	6	40.2	99.3	81	80.5	2.2	1	12.8	5.43	44.4	174	88.4	71	203	70
3878	Aberdeen, ID	34, 238, 434	6	40.0	98.3	85	80.5	2.1	1	13.0	5.43	45.1	174	86.3	69	197	68
3879	Aberdeen, ID	67, 274, 467	6	39.8	98.8	82	81.0	2.2	1	12.7	5.33	45.4	159	87.8	77	193	68
3880	Aberdeen, ID	100, 310, 500	6	39.1	98.7	82	80.0	2.3	1	11.9	4.90	42.9	161	79.3	56	181	61
3881	Aberdeen, ID	133, 347, 533	6	38.6	98.3	78	80.4	2.1	1	12.2	5.16	45.0	155	83.4	79	180	61
3882	Aberdeen, ID	166, 357, 566	6	37.1	98	79	79.7	2.0	1	12.2	5.17	43.3	156	80.8	66	181	61
3883	Aberdeen, ID	199, 383, 599	6	37.9	98.3	82	80.0	2.2	1	12.6	5.17	42.4	155	79.7	66	179	61
3884	Aberdeen, ID	12, 213, 412	6	37.0	97.1	75	79.6	2.0	1	13.8	5.36	40.4	174	77.7	186	201	53
3885	Aberdeen, ID	45, 250, 445	6	37.7	97	77	80.8	2.4	1	12.9	5.22	43.3	144	78.8	180	201	63
3886	Aberdeen, ID	78, 286, 478	6	35.9	94.8	78	80.7	2.0	1	11.8	5.02	43.6	153	86.7	149	194	60
3887	Aberdeen, ID	111, 322, 511	6	35.6	97.2	73	80.1	2.2	1	13.1	4.91	39.5	166	73.5	153	182	52
3888	Aberdeen, ID	144, 359, 544	6	35.1	95.4	70	80.4	2.2	1	12.6	4.96	40.4	164	73.8	170	186	49
3889	Aberdeen, ID	177, 395, 577	6	35.5	95.7	78	79.8	1.9	1	13.5	5.26	40.2	175	79.3	136	182	51
3890	Aberdeen, ID	23, 226, 423	6	39.9	94.3	70	82.8	2.5	1	11.5	5.64	51.6	139	101.9	161	217	53
3891	Aberdeen, ID	56, 262, 456	6	39.3	94.4	71	83.2	2.6	1	10.9	5.46	52.3	112	102.1	117	207	53
3892		LACEY MALT CHECK		33.2	90.9	58	79.3	2.9	2	13.0	5.20	41.2	137	68.2	99	187	56
3893	Aberdeen, ID	89, 298, 489	6	40.6	95.1	75	83.2	2.5	1	10.5	5.40	53.0	123	103.2	87	214	57
3894	Aberdeen, ID	122, 334, 522	6	38.5	90.4	74	81.9	2.7	1	11.2	5.52	51.9	118	101.0	101	221	53
3895	Aberdeen, ID	155, 368, 555	6	40.2	96	71	83.4	2.5	1	11.0	5.43	51.9	110	97.3	126	217	49
3896	Aberdeen, ID	188, 371, 588	6	38.4	91.4	76	82.5	2.5	1	11.1	5.42	49.6	134	102.5	113	211	57
3897	Tetonia, ID	01Ab8219/Stellar	6	33.6	95.5	74	80.5	2.1	1	10.0	4.55	46.9	133	79.4	144	163	46
3898	Tetonia, ID	01Ab8219/Stellar	6	38.1	98	78	82.2	2.4	1	10.4	5.17	51.8	118	97.4	113	197	47
3899	Tetonia, ID	01Ab8219/Stellar	6	38.1	97.7	72	82.2	2.4	2	9.4	4.51	50.2	98	80.6	201	188	33
3900	Tetonia, ID	01Ab8219/Stellar	6	36.9	97.9	72	81.5	2.2	1	11.5	5.21	47.0	155	81.5	105	217	65
3901	Tetonia, ID	01Ab8219/Stellar	6	36.8	97.5	72	82.5	2.3	1	10.3	5.07	50.4	98	91.4	129	204	45
3902	Tetonia, ID	01Ab8219/Stellar	6	34.0	90	72	81.6	2.3	2	9.1	4.31	48.7	104	72.5	155	158	36
3903	Tetonia, ID	01Ab8219/Stellar	6	35.0	95.5	82	83.5	2.5	1	9.5	4.47	50.4	100	80.6	104	166	41
3904	Tetonia, ID	01Ab8219/Stellar	6	39.4	96.9	74	83.1	2.5	1	10.3	4.95	53.0	99	83.0	110	194	47
3905	Tetonia, ID	01Ab8219/Stellar	6	38.1	97.7	72	82.8	2.2	1	10.1	4.60	47.5	109	79.3	114	190	44
3906	Tetonia, ID	01Ab8219/Stellar	6	38.3	97.9	78	81.8	2.6	1	11.2	5.50	50.6	113	98.4	145	216	49
3907	Tetonia, ID	01Ab8219/Stellar	6	39.1	97.5	72	82.7	2.4	1	9.5	4.62	51.2	95	73.0	164	188	37
3908	Tetonia, ID	01Ab8219/Stellar	6	38.2	98.6	77	82.0	2.4	1	11.1	5.18	49.4	124	81.5	105	204	53
3909	Tetonia, ID	01Ab8219/Stellar	6	37.5	98	79	82.4	2.0	1	10.6	5.00	48.6	135	96.8	72	198	51
3910	Tetonia, ID	01Ab8219/Stellar	6	38.8	97	74	82.6	2.7	1	10.0	5.13	52.0	129	95.1	114	223	53
3911	Tetonia, ID	01Ab8219/Stellar	6	35.4	97.6	79	80.1	1.9	1	11.3	4.93	46.3	142	86.8	122	209	57
3912	Tetonia, ID	01Ab8219/Stellar	6	39.7	97.3	72	83.5	1.9	1	9.3	4.32	49.5	113	73.8	110	180	41
3913	Tetonia, ID	01Ab8219/Stellar	6	35.9	96.7	73	83.8	2.0	1	9.0	4.40	51.1	113	76.0	100	173	41
3914	Tetonia, ID	01Ab8219/Stellar	6	41.4	97.7	69	84.2	2.6	1	9.1	4.88	56.1	86	85.1	185	213	42
3915	Tetonia, ID	01Ab8219/Stellar	6	37.7	97.7	78	82.9	2.5	2	10.3	4.91	51.0	125	97.4	92	204	52
3916	Tetonia, ID	01Ab8219/Stellar	6	37.0	96.1	65	82.5	3.3	2	9.2	4.33	49.8	78	66.7	172	180	33
3917	Tetonia, ID	01Ab8219/Stellar	6	38.1	99	76	79.7	2.1	1	12.5	5.41	43.9	149	86.2	111	215	70
3918	Tetonia, ID	01Ab8219/Stellar	6	37.5	97.9	80	82.4	2.4	1	10.0	4.65	49.8	98	86.9	109	173	41
3919	Tetonia, ID	01Ab8219/Stellar	6	35.6	95.4	75	81.3	2.2	1	9.7	4.51	48.5	102	78.5	145	184	37
3920	Tetonia, ID	01Ab8219/Stellar	6	36.6	97.4	70	83.2	2.4	1	9.2	4.55	51.6	101	76.3	133	194	40

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3921		LACEY MALT CHECK		31.9	89.5	56	79.2	2.9	2	12.7	5.21	42.3	129	62.4	79	200	63
3922	Tetonia, ID	01Ab8219/Stellar	6	39.4	97.4	73	83.3	2.4	1	9.3	4.74	52.3	98	83.7	108	197	44
3923	Tetonia, ID	01Ab8219/Stellar	6	38.9	98	76	82.7	2.4	1	9.8	4.64	50.9	93	73.7	104	185	41
3924	Tetonia, ID	01Ab8219/Stellar	6	39.6	97.8	71	82.5	2.9	2	9.0	4.76	54.1	98	72.5	165	188	36
3925	Tetonia, ID	01Ab8219/Stellar	6	37.8	98	79	83.5	2.5	1	9.8	5.33	54.6	117	95.4	89	214	53
3926	Tetonia, ID	01Ab8219/Stellar	6	38.3	96	79	81.0	3.4	2	9.9	4.97	53.9	111	93.9	66	214	48
3927	Tetonia, ID	01Ab8219/Stellar	6	38.8	96.8	75	79.9	n.d.	3	10.0	5.67	58.2	99	99.5	135	234	47
3928	Tetonia, ID	01Ab8219/Stellar	6	37.5	97.8	67	82.2	2.3	1	9.5	4.78	52.9	94	70.4	130	196	40
3929	Tetonia, ID	01Ab8219/Stellar	6	40.5	97.9	71	82.9	2.2	1	10.3	5.25	51.7	137	80.5	181	215	50
3930	Tetonia, ID	01Ab8219/Stellar	6	39.2	98.5	80	82.5	2.6	1	10.6	5.41	51.6	116	97.6	69	224	53
3931	Tetonia, ID	01Ab8219/Stellar	6	36.3	96.5	82	82.5	2.4	2	9.4	4.88	52.6	115	88.5	115	172	43
3932	Tetonia, ID	01Ab8219/Stellar	6	38.6	97.3	77	82.9	2.4	1	9.3	4.67	52.9	95	80.8	200	188	34
3933	Tetonia, ID	01Ab8219/Stellar	6	37.7	95.3	73	82.6	2.4	1	10.2	5.01	50.6	111	94.8	148	208	45
3934	Tetonia, ID	01Ab8219/Stellar	6	35.3	97.3	74	81.7	2.1	1	10.1	4.49	44.8	124	76.4	192	181	43
3935	Tetonia, ID	01Ab8219/Stellar	6	40.8	98.2	74	82.6	2.7	1	10.2	5.39	54.1	96	91.5	185	226	46
3936	Tetonia, ID	01Ab8219/Stellar	6	34.2	93.4	68	83.2	2.3	1	9.3	4.76	54.3	100	85.0	189	193	37
3937	Tetonia, ID	01Ab8219/Stellar	6	38.8	96.6	72	83.2	2.2	1	9.6	4.49	48.6	98	78.1	121	195	40
3938	Tetonia, ID	01Ab8219/Stellar	6	38.4	97.9	77	83.2	2.3	1	9.1	4.50	51.1	85	84.6	78	198	44
3939	Tetonia, ID	01Ab8219/Stellar	6	38.0	98.4	81	82.2	2.3	1	10.9	5.08	46.7	116	83.7	137	210	50
3940	Tetonia, ID	01Ab8219/Stellar	6	37.6	98	82	83.3	2.5	1	10.4	5.11	53.5	114	90.4	72	194	47
3941	Tetonia, ID	01Ab8219/Stellar	6	36.2	96.2	80	83.3	2.5	1	9.4	4.71	52.5	84	92.8	133	202	42
3942	Tetonia, ID	01Ab8219/Stellar	6	38.3	97.2	77	84.6	2.4	1	9.1	4.73	55.8	95	92.4	97	195	44
3943	Tetonia, ID	01Ab8219/Stellar	6	37.5	97.9	77	83.7	2.1	1	9.6	4.75	51.0	117	93.8	131	186	37
3944	Tetonia, ID	01Ab8219/Stellar	6	36.8	98	82	81.7	2.1	1	10.5	5.08	52.0	140	90.3	210	237	49
3945	Tetonia, ID	01Ab8219/Stellar	6	37.0	95.4	75	82.0	2.1	1	9.8	4.73	49.7	95	83.6	194	212	39
3946	Tetonia, ID	01Ab8219/Stellar	6	35.3	91.7	77	83.5	2.0	1	9.0	4.23	48.8	106	74.2	138	189	37
3947	Tetonia, ID	01Ab8219/Stellar	6	37.8	98.1	73	82.3	2.0	1	10.0	4.92	50.9	115	91.6	140	218	45
3948	Tetonia, ID	01Ab8219/Stellar	6	37.6	95.3	78	82.8	2.5	1	10.0	4.92	50.4	126	94.8	174	192	44
3949	Tetonia, ID	01Ab8219/Stellar	6	35.2	97	78	81.5	1.9	1	10.8	4.86	45.8	127	80.9	87	195	56
3950		LACEY MALT CHECK		33.0	91.2	60	79.3	2.6	2	13.3	5.41	42.8	131	70.6	98	250	66
3951	Tetonia, ID	01Ab8219/Stellar	6	39.7	98	74	83.9	2.5	1	9.0	4.78	55.2	87	99.3	135	233	42
3952	Tetonia, ID	01Ab8219/Stellar	6	36.0	96.2	71	82.6	2.4	1	10.4	5.13	52.7	104	102.4	156	245	45
3953	Tetonia, ID	01Ab8219/Stellar	6	36.7	98.2	77	81.8	2.2	1	11.3	5.55	50.0	140	90.2	103	233	60
3954	Tetonia, ID	01Ab8219/Stellar	6	38.8	96.2	79	82.2	2.4	1	10.7	5.09	51.0	143	89.4	107	211	56
3955	Tetonia, ID	01Ab8219/Stellar	6	38.2	96.1	78	83.8	2.0	1	9.0	4.42	51.8	86	76.1	124	220	42
3956	Tetonia, ID	01Ab8219/Stellar	6	37.9	96.9	73	82.9	2.3	1	9.8	4.45	48.4	112	87.5	109	203	46
3957	Tetonia, ID	01Ab8219/Stellar	6	36.7	96.9	83	81.9	2.1	1	10.2	4.54	47.5	107	94.7	104	179	41
3958	Tetonia, ID	01Ab8219/Stellar	6	37.2	98.3	76	80.9	2.5	1	11.4	5.23	47.0	127	100.7	119	218	62
3959	Tetonia, ID	01Ab8219/Stellar	6	36.8	96.4	69	82.0	2.4	1	9.7	4.55	49.8	85	88.9	164	222	42
3960	Tetonia, ID	01Ab8219/Stellar	6	39.1	96.7	73	81.3	2.2	1	10.5	4.83	49.9	109	86.7	184	222	42
3961	Tetonia, ID	01Ab8219/Stellar	6	35.4	98.2	77	80.5	2.0	1	12.7	5.24	43.0	183	92.0	114	232	70
3962	Tetonia, ID	01Ab8219/Stellar	6	35.8	93.4	74	84.0	2.4	1	8.8	4.69	55.8	93	82.3	198	200	39
3963	Tetonia, ID	01Ab8219/Stellar	6	37.5	96.6	68	83.0	2.3	1	9.7	4.87	51.8	83	81.0	192	236	42
3964	Tetonia, ID	01Ab8219/Stellar	6	38.4	96.7	72	83.4	2.2	1	9.0	4.14	48.2	91	65.9	162	181	37
3965	Tetonia, ID	01Ab8219/Stellar	6	37.0	96.7	81	82.6	2.6	1	10.1	4.90	51.8	99	99.1	105	206	49
3966	Tetonia, ID	01Ab8219/Stellar	6	34.2	93.7	70	83.0	2.4	1	8.7	4.32	52.0	95	85.2	103	207	46
3967	Tetonia, ID	01Ab8219/Stellar	6	41.0	96.8	76	83.4	2.4	1	9.5	4.56	50.1	101	82.2	169	192	40
3968	Tetonia, ID	01Ab8219/Stellar	6	34.6	95.6	81	82.1	2.3	1	11.0	4.94	47.4	128	101.6	64	245	53
3969	Tetonia, ID	01Ab8219/Stellar	6	35.7	98	74	82.7	2.2	2	10.6	4.46	44.0	107	78.9	102	170	45

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
3970	Tetonia, ID	01Ab8219/Stellar	6	36.8	97.2	74	84.1	2.3	1	9.3	4.66	52.3	102	87.7	102	184	41
3971	Tetonia, ID	01Ab8219/Stellar	6	38.1	97.8	74	83.2	2.4	1	8.7	4.34	51.1	73	78.8	123	173	37
3972	Tetonia, ID	01Ab8219/Stellar	6	36.9	96.3	72	82.7	2.5	2	8.0	4.28	54.1	77	77.7	239	167	33
3973	Tetonia, ID	01Ab8219/Stellar	6	34.8	95.9	82	82.1	2.5	1	9.9	4.64	50.2	103	84.9	86	180	41
3974	Tetonia, ID	01Ab8219/Stellar	6	37.8	97.1	80	81.8	2.4	1	11.0	5.11	48.2	116	78.5	171	196	40
3975	Tetonia, ID	01Ab8219/Stellar	6	37.5	96.2	80	81.2	2.8	1	10.3	4.65	48.8	87	72.4	271	179	34
3976	Tetonia, ID	01Ab8219/Stellar	6	39.6	97.6	72	83.6	2.6	1	9.6	5.16	56.7	89	79.2	248	212	42
3977	Tetonia, ID	01Ab8219/Stellar	6	36.3	97.7	73	82.7	2.6	1	10.2	4.90	51.5	108	95.3	166	201	45
3978	Tetonia, ID	01Ab8219/Stellar	6	38.5	98.5	81	81.2	2.1	2	10.6	4.87	47.9	130	87.7	59	188	47
3979		LACEY MALT CHECK		32.6	88.8	59	79.3	2.4	2	12.8	5.18	41.4	143	71.0	90	196	58
3980	Tetonia, ID	01Ab8219/Stellar	6	38.9	97.7	73	83.1	2.5	1	9.6	5.06	54.9	97	99.4	134	204	45
3981	Tetonia, ID	01Ab8219/Stellar	6	37.7	97.6	75	82.4	n.d.	3	9.2	4.35	48.2	105	71.5	143	166	35
3982	Tetonia, ID	01Ab8219/Stellar	6	38.4	97.3	71	82.4	2.2	1	9.1	4.35	49.3	93	74.4	137	172	37
3983	Tetonia, ID	01Ab8219/Stellar	6	39.9	97.8	72	83.3	2.3	1	9.8	4.81	49.6	101	83.8	165	194	43
3984	Tetonia, ID	01Ab8219/Stellar	6	37.2	97.2	71	82.0	2.5	2	9.2	4.36	50.5	81	71.8	255	179	33
3985	Tetonia, ID	01Ab8219/Stellar	6	37.4	97.8	79	81.1	2.1	1	11.5	5.13	44.5	150	77.3	72	170	61
3986	Tetonia, ID	01Ab8219/Stellar	6	36.9	96.9	75	82.3	3.0	2	10.2	4.57	47.0	130	76.1	119	160	44
3987	Tetonia, ID	01Ab8219/Stellar	6	38.9	98.3	71	82.8	2.1	1	10.6	4.63	45.9	115	88.1	103	156	46
3988	Tetonia, ID	01Ab8219/Stellar	6	37.0	97	80	81.9	2.2	1	11.6	5.06	47.1	140	84.1	86	195	59
3989	Tetonia, ID	01Ab8219/Stellar	6	35.9	94.4	75	83.0	2.4	1	9.5	4.41	46.3	122	80.7	69	171	50
3990	Tetonia, ID	01Ab8219/Stellar	6	38.1	97.8	79	81.7	2.2	1	10.7	4.93	48.0	129	91.8	73	192	51
3991	Tetonia, ID	01Ab8219/Stellar	6	38.1	97.7	76	81.5	2.2	1	11.1	4.94	46.7	142	107.5	63	194	59
3992	Tetonia, ID	01Ab8219/Stellar	6	39.1	97.9	71	83.6	2.2	1	10.2	5.03	52.5	136	96.1	136	201	49
3993	Tetonia, ID	01Ab8219/Stellar	6	35.2	95.7	73	82.2	2.4	1	8.1	4.28	54.2	90	83.3	167	168	37
3994	Tetonia, ID	01Ab8219/Stellar	6	38.9	98.3	72	83.0	2.5	1	9.8	4.75	53.0	103	100.2	112	192	44
3995	Tetonia, ID	01Ab8219/Stellar	6	37.8	96.2	73	84.9	2.5	1	8.2	4.39	55.1	74	85.4	154	165	37
3996	Tetonia, ID	01Ab8219/Stellar	6	40.6	98.5	75	82.1	2.6	1	11.6	5.42	48.3	137	101.1	122	208	58
3997	Tetonia, ID	01Ab8219/Stellar	6	36.0	97.6	71	81.8	2.3	1	10.4	5.13	49.7	146	92.9	70	202	56
3998	Tetonia, ID	01Ab8219/Stellar	6	34.2	96.5	77	81.9	2.0	1	11.0	4.64	44.6	155	83.7	102	159	53
3999	Tetonia, ID	01Ab8219/Stellar	6	37.5	97.6	81	82.6	2.3	1	10.9	4.99	47.9	122	100.2	90	191	51
4000	Tetonia, ID	01Ab8219/Stellar	6	39.9	97.9	73	83.5	2.4	1	9.3	4.55	51.9	105	92.1	114	174	41
4001	Tetonia, ID	01Ab8219/Stellar	6	37.9	98.4	74	80.3	2.5	1	11.3	5.53	49.4	123	94.5	69	228	57
4002	Tetonia, ID	01Ab8219/Stellar	6	37.1	95.6	73	82.3	2.1	2	9.4	4.58	50.1	115	90.5	122	177	36
4003	Tetonia, ID	01Ab8219/Stellar	6	38.0	96.8	65	83.0	2.2	2	10.0	4.65	48.1	115	85.9	167	187	36
4004	Tetonia, ID	01Ab8219/Stellar	6	36.1	97.4	77	82.1	2.6	2	10.4	5.05	49.0	110	87.2	159	200	44
4005	Tetonia, ID	01Ab8219/Stellar	6	35.1	97.1	72	81.1	2.0	1	11.2	4.82	46.3	133	91.6	102	198	56
4006	Tetonia, ID	01Ab8219/Stellar	6	35.7	95.8	72	83.0	1.9	1	8.9	4.23	49.2	97	87.3	113	164	41
4007	Tetonia, ID	01Ab8219/Stellar	6	37.8	97.6	79	83.0	2.2	2	9.1	4.43	52.2	78	75.0	157	179	36
4008		LACEY MALT CHECK		33.7	89.8	58	79.1	2.4	2	12.2	5.15	43.0	138	75.0	75	198	60
4009	Tetonia, ID	01Ab8219/Stellar	6	38.2	97.9	79	81.0	2.4	2	11.4	5.25	47.5	120	92.8	124	202	52
4010	Tetonia, ID	01Ab8219/Stellar	6	40.8	97.7	77	82.4	2.5	1	11.2	5.55	52.8	116	95.9	113	223	53
4011	Tetonia, ID	01Ab8219/Stellar	6	36.4	97.9	79	82.2	2.1	1	10.4	4.65	48.3	126	87.0	89	178	45
4012	Tetonia, ID	01Ab8219/Stellar	6	40.0	97.7	79	82.8	2.1	1	9.6	4.33	48.0	94	68.3	99	166	41
4013	Tetonia, ID	01Ab8219/Stellar	6	38.3	96.8	71	82.5	2.1	1	9.0	4.43	50.6	98	92.8	95	179	41
4014	Tetonia, ID	01Ab8219/Stellar	6	36.4	97.2	77	81.7	2.2	2	10.4	5.55	56.9	117	94.7	97	229	52
4015	Tetonia, ID	01Ab8219/Stellar	6	37.5	97.9	80	81.7	2.4	2	11.9	4.84	43.3	133	87.2	122	192	56
4016	Tetonia, ID	01Ab8219/Stellar	6	39.9	97.9	75	84.0	3.0	1	10.8	5.77	54.3	128	104.3	73	238	53
4017	Tetonia, ID	01Ab8219/Stellar	6	35.9	97.8	80	79.2	n.d.	3	11.3	5.24	49.0	119	103.8	87	198	49
4018	Tetonia, ID	01Ab8219/Stellar	6	38.7	97.3	81	81.9	2.5	2	10.6	5.37	52.4	112	100.5	109	224	52

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4019	Tetonia, ID	01Ab8219/Stellar	6	36.7	95.9	74	83.0	2.1	2	9.9	5.07	51.6	118	83.3	106	194	46
4020	Tetonia, ID	01Ab8219/Stellar	6	36.2	96.2	81	82.3	2.1	1	10.7	4.75	46.1	134	87.6	110	186	50
4021	Tetonia, ID	01Ab8219/Stellar	6	38.0	97.9	79	82.6	2.5	1	11.2	5.34	49.5	107	97.8	136	208	49
4022		LACEY MALT CHECK	6	33.6	88.7	55	79.4	2.6	2	12.5	5.51	44.7	124	71.3	94	178	61
4023	Tetonia, ID	01Ab8219/Stellar	6	39.1	97.1	79	82.7	2.3	1	10.5	5.48	54.7	101	105.3	114	215	53
4024	Tetonia, ID	01Ab8219/Stellar	6	38.0	97.6	76	81.6	2.2	2	9.6	5.10	54.2	100	80.2	107	190	46
4025	Tetonia, ID	01Ab8219/Stellar	6	36.9	97.9	74	82.6	2.2	2	11.3	4.67	41.9	135	103.5	88	179	44
4026	Tetonia, ID	01Ab8219/Stellar	6	36.8	92.9	76	83.9	2.2	1	8.7	4.68	55.3	85	91.5	141	185	37
4027	Tetonia, ID	01Ab8219/Stellar	6	37.1	97.5	68	82.2	2.0	1	10.0	4.77	50.8	106	82.7	136	183	37
4028	Tetonia, ID	01Ab8219/Stellar	6	36.1	97.6	75	82.3	2.7	2	11.1	5.46	52.8	92	103.9	102	219	52
4029	Tetonia, ID	01Ab8219/Stellar	6	39.9	98.6	78	81.8	2.4	1	10.7	5.39	51.2	119	93.0	81	212	53
4030	Tetonia, ID	01Ab8219/Stellar	6	38.3	96.6	67	82.7	2.2	2	9.0	4.44	52.9	87	76.3	243	174	33
4031	Tetonia, ID	01Ab8219/Stellar	6	37.8	96.9	71	83.3	2.5	2	9.3	4.66	53.3	82	91.9	199	177	33
4032	Tetonia, ID	01Ab8219/Stellar	6	37.1	97.1	74	82.4	2.3	2	9.4	4.58	51.4	82	89.8	225	172	33
4033	Tetonia, ID	01Ab8219/Stellar	6	37.3	97.6	67	81.2	2.4	2	9.7	4.75	51.0	83	84.1	124	190	36
4034	Tetonia, ID	01Ab8219/Stellar	6	38.6	98.4	77	81.1	2.5	1	10.2	5.11	51.6	91	109.7	87	197	47
4035	Tetonia, ID	01Ab8219/Stellar	6	37.2	97.1	82	82.1	2.0	1	11.6	5.16	48.5	139	91.0	85	193	56
4036	Tetonia, ID	01Ab8219/Stellar	6	38.1	98.5	77	81.0	2.6	2	12.0	5.62	51.7	97	103.0	179	228	50
4037		LACEY MALT CHECK	6	32.9	89.1	54	79.0	2.5	2	12.6	5.40	44.0	126	70.9	79	205	66
4038	Tetonia, ID	01Ab8219/Stellar	6	37.2	95.2	73	83.7	2.1	1	8.7	4.10	50.5	95	72.9	140	159	37
4039	Tetonia, ID	01Ab8219/Stellar	6	36.8	96.6	70	83.6	2.6	1	9.5	4.52	52.2	85	86.3	108	184	41
4040	Tetonia, ID	01Ab8219/Stellar	6	35.7	95.4	71	82.7	2.5	1	9.4	4.92	54.6	97	98.7	81	188	44
4041	Tetonia, ID	01Ab8219/Stellar	6	36.3	96.5	73	82.0	2.6	1	10.8	5.84	54.8	105	103.3	136	223	45
4042	Tetonia, ID	01Ab8219/Stellar	6	38.3	97	76	82.6	2.6	1	10.1	5.11	52.0	112	94.3	115	189	44
4043	Tetonia, ID	01Ab8219/Stellar	6	38.7	98.1	76	82.7	2.4	1	10.2	5.17	52.6	91	93.5	147	191	43
4044	Tetonia, ID	01Ab8219/Stellar	6	36.0	96	73	82.3	1.9	1	9.6	4.60	48.4	122	68.1	105	176	45
4045	Tetonia, ID	01Ab8219/Stellar	6	35.9	97.8	77	81.5	2.3	1	11.7	5.50	50.3	147	91.1	82	205	65
4046	Tetonia, ID	01Ab8219/Stellar	6	39.2	97.6	70	84.3	2.2	1	8.8	4.62	55.0	92	83.2	144	166	37
4047	Tetonia, ID	01Ab8219/Stellar	6	38.6	96.4	72	83.1	2.2	1	9.4	4.68	53.0	109	81.0	125	180	37
4048	Tetonia, ID	01Ab8219/Stellar	6	37.4	96	78	82.9	2.2	1	8.6	4.33	54.1	95	78.1	118	162	41
4049	Tetonia, ID	01Ab8219/Stellar	6	39.5	96.7	73	83.2	2.4	1	10.1	4.95	49.0	132	93.6	88	183	48
4050	Tetonia, ID	01Ab8219/Stellar	6	37.4	97	82	82.2	2.4	1	10.0	5.05	52.2	118	101.5	120	194	47
4051	Tetonia, ID	01Ab8219/Stellar	6	36.6	97.9	79	81.4	2.2	1	11.5	5.58	52.2	144	89.5	102	230	60
4052	Tetonia, ID	01Ab8219/Stellar	6	35.2	92.8	68	82.8	2.3	1	8.6	4.41	55.1	86	80.4	147	167	37
4053	Tetonia, ID	01Ab8219/Stellar	6	36.4	96.4	76	83.0	2.0	1	9.6	4.56	50.8	106	82.3	101	171	41
4054	Tetonia, ID	01Ab8219/Stellar	6	37.3	97.3	78	81.8	2.4	1	9.8	4.91	52.8	108	84.7	114	194	47
4055	Tetonia, ID	01Ab8219/Stellar	6	39.8	97.6	66	83.2	2.3	1	9.7	4.78	52.8	102	67.9	395	178	34
4056	Tetonia, ID	01Ab8219/Stellar	6	37.3	97.6	82	82.2	2.7	2	9.7	4.43	49.8	88	70.4	134	173	36
4057	Tetonia, ID	01Ab8219/Stellar	6	35.9	96.2	72	82.7	2.3	1	9.4	4.47	51.1	87	72.3	139	170	37
4058	Tetonia, ID	01Ab8219/Stellar	6	36.4	97.2	76	82.9	2.2	1	9.9	4.64	51.5	95	77.6	94	181	41
4059	Tetonia, ID	01Ab8219/Stellar	6	35.2	96.3	74	83.4	2.2	1	9.3	4.47	53.4	99	83.4	118	173	41
4060	Tetonia, ID	01Ab8219/Stellar	6	37.5	96.8	73	82.3	2.1	1	10.4	4.82	49.2	125	76.4	184	181	41
4061	Tetonia, ID	01Ab8219/Stellar	6	39.2	96.8	73	82.1	2.0	1	9.6	4.64	51.3	109	77.5	134	187	37
4062	Tetonia, ID	01Ab8219/Stellar	6	37.9	98.7	78	80.2	2.0	1	11.2	5.35	50.9	133	90.3	126	219	53
4063	Tetonia, ID	01Ab8219/Stellar	6	37.2	98	78	82.0	2.1	1	11.0	5.07	50.6	111	97.4	88	213	49
4064	Tetonia, ID	01Ab8219/Stellar	6	36.7	96.9	76	82.5	2.2	1	10.2	4.91	52.5	108	100.0	82	212	49
4065	Tetonia, ID	01Ab8219/Stellar	6	36.4	97.5	74	81.8	2.1	1	12.2	5.48	47.5	132	110.9	157	232	58
4066		LACEY MALT CHECK	6	34.1	88.5	54	79.4	2.2	1	12.4	5.31	45.1	148	72.4	79	207	70
4067	Tetonia, ID	01Ab8219/Stellar	6	39.8	97.2	76	83.9	2.3	1	9.3	4.82	51.8	100	84.9	185	209	42

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
4068	Tetonia, ID	01Ab8219/Stellar	6	39.5	98.1	82	82.1	2.2	1	9.7	4.84	52.2	117	89.1	90	202	49
4069	Tetonia, ID	01Ab8219/Stellar	6	35.7	96.1	81	81.5	2.1	1	9.6	4.50	50.7	116	83.9	100	175	41
4070	Tetonia, ID	01Ab8219/Stellar	6	36.8	95.5	68	84.2	2.3	1	9.7	4.51	48.3	121	82.8	142	180	41
4071	Tetonia, ID	01Ab8219/Stellar	6	34.3	90.9	74	83.5	2.0	1	9.3	4.64	49.9	122	79.6	108	188	45
4072	Tetonia, ID	01Ab8219/Stellar	6	37.6	91.7	73	82.9	2.2	1	9.1	4.27	49.3	99	71.5	194	167	34
4073	Tetonia, ID	01Ab8219/Stellar	6	37.9	97.8	78	81.8	2.1	1	10.8	5.12	48.0	110	88.0	183	203	42
4074	Tetonia, ID	01Ab8219/Stellar	6	38.9	98.2	79	80.8	2.2	1	11.6	5.49	50.5	130	89.4	209	224	55
4075	Tetonia, ID	01Ab8219/Stellar	6	35.8	94.5	75	82.6	1.9	1	10.0	4.83	50.9	117	81.3	169	192	43
4076	Tetonia, ID	01Ab8219/Stellar	6	36.2	96.3	78	82.4	2.0	1	9.6	4.50	49.9	104	77.1	121	173	37
4077	Tetonia, ID	01Ab8219/Stellar	6	36.8	94.6	75	82.5	2.4	1	9.0	4.75	54.6	70	86.5	186	200	37
4078	Tetonia, ID	01Ab8219/Stellar	6	37.8	97.9	67	82.9	2.3	1	10.8	5.44	52.2	105	89.8	122	231	49
4079	Tetonia, ID	01Ab8219/Stellar	6	38.2	98.3	70	82.7	2.6	1	9.7	4.65	51.5	94	79.6	212	181	34
4080	Tetonia, ID	01Ab8219/Stellar	6	36.1	96.4	75	80.9	2.0	1	11.6	5.16	46.3	94	76.1	148	207	55
4081	Tetonia, ID	01Ab8219/Stellar	6	38.2	98.3	75	82.6	2.4	1	10.1	5.05	54.6	104	91.7	222	210	42
4082	Tetonia, ID	01Ab8219/Stellar	6	38.4	96.3	81	82.5	2.3	1	10.4	5.03	48.9	121	90.8	121	197	47
4083	Tetonia, ID	01Ab8219/Stellar	6	37.7	96.4	75	81.9	2.7	1	10.3	5.26	53.3	75	88.1	197	219	46
4084	Tetonia, ID	1, 201, 401	6	37.7	98.4	73	80.9	2.0	1	12.1	5.07	45.3	152	83.4	101	186	61
4085	Tetonia, ID	34, 238, 434	6	38.2	98.5	78	81.6	1.9	1	11.1	4.99	48.8	141	77.4	125	196	50
4086	Tetonia, ID	67, 274, 467	6	37.5	98	75	81.3	1.9	1	11.2	5.12	48.7	142	79.3	97	204	56
4087	Tetonia, ID	100, 310, 500	6	36.3	97.9	79	81.3	1.9	1	10.8	4.88	46.4	129	76.2	93	192	56
4088	Tetonia, ID	133, 347, 533	6	36.7	98.4	73	81.1	1.8	1	11.1	5.19	50.0	139	78.1	127	207	49
4089	Tetonia, ID	166, 357, 566	6	36.9	98.5	74	81.6	1.9	1	11.3	5.12	47.7	132	80.6	123	193	47
4090	Tetonia, ID	199, 383, 599	6	37.2	98.4	77	81.1	2.0	1	11.5	5.16	46.5	135	79.7	122	207	54
4091	Tetonia, ID	12, 213, 412	6	33.8	94	79	81.4	1.8	1	12.3	5.11	43.8	153	78.5	166	197	60
4092	Tetonia, ID	45, 250, 445	6	34.9	95.8	79	81.4	1.9	1	12.1	5.14	44.1	154	79.1	179	204	59
4093	Tetonia, ID	78, 286, 478	6	35.2	96.4	78	81.1	2.0	1	12.1	5.23	45.7	141	75.2	152	206	66
4094	Tetonia, ID	111, 322, 511	6	35.3	94.7	77	81.0	2.0	1	11.8	5.14	46.1	140	76.9	159	201	59
4095		LACEY MALT CHECK		33.1	90.5	54	79.3	2.7	2	12.6	5.41	44.1	133	69.7	130	207	62
4096	Tetonia, ID	144, 359, 544	6	35.4	96.2	75	80.8	2.1	1	12.5	5.21	45.3	147	77.7	159	199	64
4097	Tetonia, ID	177, 395, 577	6	35.8	95.6	77	80.9	2.3	2	12.6	5.26	44.6	165	85.0	143	186	60
4098	Tetonia, ID	23, 226, 423	6	38.6	95.8	71	83.6	2.4	1	10.2	4.98	51.0	137	109.3	169	196	47
4099	Tetonia, ID	56, 262, 456	6	38.3	97.1	68	83.5	2.2	1	10.0	4.98	53.8	119	101.2	201	196	40
4100	Tetonia, ID	89, 298, 489	6	38.1	96.8	70	82.9	2.3	1	9.9	4.89	52.6	110	102.7	160	198	43
4101	Tetonia, ID	122, 334, 522	6	37.6	94.3	70	82.8	2.4	1	9.4	4.79	55.2	95	94.9	183	194	37
4102	Tetonia, ID	155, 368, 555	6	38.0	97.3	68	83.4	2.3	1	9.7	4.94	52.5	109	102.5	197	192	40
4103	Tetonia, ID	188, 371, 588	6	37.6	94.2	69	83.5	2.2	1	9.2	4.84	52.8	106	102.7	145	191	43
4104	Bozeman MT	08WA-90	2	44.7	99.2	68	77.0	2.2	2	13.4	4.44	33.1	85	67.2	1099	142	30
4105	Bozeman MT	09N2-02	2	47.6	94.4	74	79.3	2.6	1	12.8	5.11	41.7	142	82.4	358	183	55
4106	Bozeman MT	09AB-46	2	44.1	99.4	54	79.7	1.3	1	15.8	4.27	27.6	119	57.9	1167	129	33
4107	Bozeman MT	09AB-03	2	47.5	95.5	60	76.1	1.6	1	13.9	4.51	33.9	66	50.4	404	169	26
4108	Bozeman MT	09N2-74	2	47.4	99.3	75	77.6	1.9	1	15.1	5.39	36.7	163	88.4	285	190	36
4109	Bozeman MT	06N2-39	2	48.0	99.1	81	79.2	2.3	1	13.3	5.77	44.2	76	88.6	565	223	41
4110	Bozeman MT	SK 76333	2	43.5	98.5	76	79.5	1.7	1	13.4	5.28	39.9	152	97.5	258	192	50
4111	Bozeman MT	06AB-44	2	47.4	98.9	72	76.3	1.6	1	14.5	4.34	30.6	112	51.0	281	142	26
4112	Bozeman MT	07WA-11	2	38.2	95.5	75	77.2	2.1	2	14.7	5.39	37.6	165	72.1	231	196	34
4113	Bozeman MT	07MT-80	2	46.1	98.6	74	78.6	2.1	2	13.4	5.01	38.2	104	79.1	449	195	43
4114	Bozeman MT	08AB-45	2	46.3	96.9	75	77.6	1.4	1	13.8	4.12	30.4	123	58.1	397	128	29
4115	Bozeman MT	09N2-36	2	49.9	98.9	81	80.1	2.5	2	13.1	5.35	42.6	104	87.1	121	202	54
4116	Bozeman MT	09N2-69	2	49.9	99.6	79	80.4	2.1	2	12.7	5.06	40.0	121	79.7	114	168	52

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4117	Bozeman MT	07N2-89	2	49.3	99.6	81	80.7	n.d.	3	12.5	5.07	42.6	134	76.5	313	176	53
4118	Bozeman MT	09AB-66	2	42.5	98.7	70	79.6	1.9	1	12.9	4.99	40.3	113	95.6	148	188	58
4119	Bozeman MT	06WA-63	2	45.9	99.3	70	75.8	n.d.	3	13.8	3.89	28.7	108	46.4	440	108	18
4120	Bozeman MT	07MT-55	2	44.2	97.9	72	78.5	2.3	2	13.5	4.98	38.4	93	73.9	358	177	29
4121	Bozeman MT	09WA-52	2	43.2	97.8	74	77.8	1.7	2	13.7	4.23	31.9	173	68.2	334	130	28
4122	Bozeman MT	08N2-66	2	45.4	97.1	86	77.6	n.d.	3	13.5	4.39	34.1	130	64.6	476	149	32
4123	Bozeman MT	08MT-04	2	49.1	99.1	56	76.2	1.6	1	15.3	4.73	31.1	150	49.4	292	144	30
4124		HARRINGTON MALT CHECK		41.4	96.6	77	82.1	1.9	1	11.1	5.17	49.4	121	98.3	62	202	53
4125	Bozeman MT	06AB-01	2	48.3	99.6	62	75.2	1.7	2	15.4	3.91	25.7	112	39.5	365	118	15
4126	Bozeman MT	06MT-44	2	43.5	97.4	84	77.0	1.7	1	15.0	5.06	35.0	196	66.4	337	174	33
4127	Bozeman MT	09N2-73	2	49.9	99	78	77.4	2.6	2	15.6	5.60	37.2	155	81.8	86	194	40
4128	Bozeman MT	08WA-46	2	47.6	98.9	79	77.5	1.6	1	14.0	4.60	35.1	108	74.2	201	154	30
4129	Bozeman MT	07MT-17	2	40.4	96.4	74	76.7	1.6	1	13.3	4.24	33.0	131	60.1	129	130	36
4130	Bozeman MT	MT910189	2	47.5	98.4	83	79.8	2.1	1	13.2	5.27	42.9	137	93.1	301	206	55
4131	Bozeman MT	08N2-01	2	37.4	83.1	76	72.6	n.d.	3	13.5	3.67	28.3	109	38.7	800	116	9
4132	Bozeman MT	07WA-23	2	45.9	98.8	70	78.5	2.0	1	13.6	4.98	38.5	123	94.5	265	178	37
4133	Bozeman MT	08MT-27	2	43.4	98.8	75	78.9	1.9	1	13.7	5.18	40.3	178	104.2	74	172	49
4134	Bozeman MT	08MT-76	2	43.6	98.8	77	77.7	1.6	1	13.4	4.77	37.7	140	79.0	290	173	38
4135	Bozeman MT	06WA-93	2	45.3	96.9	70	77.1	n.d.	3	13.7	3.86	29.7	124	57.1	304	119	24
4136	Bozeman MT	08MT-91	2	45.2	97.1	71	76.7	1.5	1	13.1	3.93	30.4	132	49.2	490	126	28
4137	Bozeman MT	09N2-29	2	46.2	98	80	77.7	n.d.	3	12.2	4.36	36.8	114	57.2	482	144	34
4138	Bozeman MT	06MT-40	2	45.4	98.6	69	76.8	2.0	2	13.9	3.67	27.2	116	46.8	462	100	19
4139	Bozeman MT	06MT-31	2	48.3	98.9	69	76.3	1.6	1	14.2	4.38	31.0	148	66.5	224	133	29
4140	Bozeman MT	08N2-62	2	50.9	99.6	81	78.6	2.5	1	13.1	4.55	35.9	127	62.4	329	149	42
4141	Bozeman MT	07MT-21	2	43.4	97.2	68	78.7	2.1	1	13.9	5.31	40.4	115	85.0	110	201	47
4142	Bozeman MT	SK 76333	2	43.5	97.7	78	79.9	1.9	1	13.4	5.40	43.2	128	93.0	159	197	55
4143	Bozeman MT	09WA-30	2	46.7	98.8	84	80.3	2.0	1	12.3	5.05	44.0	99	79.1	230	185	51
4144	Bozeman MT	08WA-40	2	43.4	97.1	70	77.2	1.5	2	12.5	3.82	31.4	103	46.6	223	107	29
4145	Bozeman MT	08MT-68	2	45.9	98.7	71	76.9	1.6	1	14.0	4.15	29.9	118	44.6	269	116	23
4146	Bozeman MT	PI643354	2	48.0	99.5	78	79.0	2.0	1	11.8	4.38	39.0	114	56.1	217	134	40
4147	Bozeman MT	06MT-59	2	42.2	97.4	73	76.0	1.4	2	14.5	4.02	28.9	135	48.7	515	106	25
4148	Bozeman MT	MT090183	2	44.7	98.9	72	78.7	1.7	1	12.0	4.11	35.0	166	62.7	118	125	46
4149	Bozeman MT	08MT-69	2	45.4	98	70	78.5	1.7	1	14.0	5.05	37.3	143	73.0	387	197	42
4150	Bozeman MT	08WA-64	2	41.7	98.8	73	77.5	1.7	1	14.4	5.02	36.8	167	99.5	108	176	35
4151	Bozeman MT	08WA-27	2	46.4	97.8	77	78.3	1.7	1	13.8	4.62	33.7	143	78.9	213	157	37
4152	Bozeman MT	09WA-15	2	44.1	98.6	70	76.0	2.0	2	14.1	4.19	30.6	156	60.7	236	121	28
4153		HARRINGTON MALT CHECK		39.7	96.4	76	81.9	1.8	1	11.3	4.90	45.4	134	98.2	65	185	53
4154	Bozeman MT	09BA-68	2	47.1	98.6	79	79.5	1.9	1	12.6	4.70	37.5	160	99.6	199	165	50
4155	Bozeman MT	PI568246	2	46.3	99.5	73	74.6	n.d.	3	14.4	3.77	26.2	119	51.7	368	106	21
4156	Bozeman MT	07WA-03	2	47.5	99.2	63	76.7	2.2	2	14.7	4.37	29.8	140	53.3	186	136	28
4157	Bozeman MT	06MT-67	2	43.3	97.3	73	77.8	2.2	1	15.7	6.00	39.3	150	89.5	428	229	31
4158	Bozeman MT	07BA-80	2	46.4	98	72	79.8	2.2	1	14.3	5.52	40.6	183	105.0	155	201	50
4159	Bozeman MT	09N2-27	2	49.0	98.9	82	78.8	2.1	2	12.5	4.70	39.6	94	66.4	301	157	39
4160	Bozeman MT	07AB-77	2	45.8	97.5	79	76.9	1.4	1	13.4	3.96	30.8	128	44.0	582	125	28
4161	Bozeman MT	09AB-82	2	42.0	97.3	70	74.3	n.d.	3	14.4	4.10	29.0	99	57.0	569	124	20
4162	Bozeman MT	09MT-78	2	45.8	98.8	76	78.9	1.4	1	12.9	4.21	34.9	169	63.4	190	123	43
4163	Bozeman MT	06N2-36	2	51.7	99.5	78	77.1	1.5	1	13.6	4.18	32.0	136	53.9	508	136	29
4164	Bozeman MT	09BA-89	2	47.4	98.9	74	79.1	2.5	1	14.7	5.73	39.4	150	101.7	214	213	38
4165	Bozeman MT	08BA-02	2	45.4	97.7	59	78.7	2.2	1	14.9	5.78	41.0	145	110.0	378	222	43

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4166	Bozeman MT	07N2-38	2	45.0	99	68	76.7	1.5	1	14.2	3.84	28.9	126	58.0	562	115	26
4167	Bozeman MT	08AB-24	2	43.2	97.3	71	79.3	2.1	1	14.6	5.99	42.5	187	122.0	180	215	43
4168	Bozeman MT	06N2-96	2	51.3	99.1	74	76.4	n.d.	3	14.7	4.58	33.1	139	59.7	576	144	31
4169	Bozeman MT	09BA-29	2	41.8	97.7	68	77.3	2.0	1	14.8	5.62	38.3	173	99.9	226	217	33
4170	Bozeman MT	09N2-21	2	49.0	99.3	77	79.4	1.7	1	12.3	4.91	40.6	119	78.6	231	173	49
4171	Bozeman MT	08WA-66	2	34.8	75.8	47	78.1	1.9	1	17.5	4.81	27.9	118	65.1	979	130	24
4172	Bozeman MT	08BA-87	2	43.7	97.1	70	78.5	2.0	1	14.1	5.31	38.0	179	117.1	252	183	40
4173	Bozeman MT	07N2-25	2	48.6	99.3	73	76.7	1.8	1	14.9	5.58	38.5	180	72.4	252	180	33
4174	Bozeman MT	07MT-43	2	45.8	97.4	69	78.2	1.7	1	14.6	4.97	35.1	142	72.7	192	158	37
4175	Bozeman MT	07BA-51	2	43.8	96.6	68	78.0	2.2	1	14.0	5.69	42.1	128	110.3	178	197	43
4176	Bozeman MT	09WA-50	2	45.2	98.4	73	78.3	1.8	1	15.0	5.35	37.6	155	110.1	372	188	40
4177	Bozeman MT	08MT-77	2	43.2	96.4	75	79.7	1.8	1	13.7	5.59	41.2	173	117.3	331	194	50
4178	Bozeman MT	07N2-02	2	47.6	98.5	72	75.6	n.d.	3	15.6	5.05	33.3	130	53.5	471	161	31
4179	Bozeman MT	MT910189	2	47.0	98.2	77	79.8	1.9	1	13.3	5.46	41.7	148	99.6	319	187	53
4180	Bozeman MT	09BA-95	2	44.3	98	72	79.6	2.0	1	13.8	5.37	40.9	167	123.2	162	193	50
4181	Bozeman MT	08WA-86	2	41.0	86.8	50	83.3	2.4	2	15.0	5.14	35.4	149	62.2	715	157	39
4182		HARRINGTON MALT CHECK		39.3	97.1	75	81.9	1.6	1	11.7	5.10	46.8	136	99.7	79	194	61
4183	Bozeman MT	MT090183	2	46.2	99	74	78.9	1.5	1	12.5	4.13	34.5	178	65.4	185	125	43
4184	Bozeman MT	06N2-93	2	54.6	99.4	76	77.5	2.0	1	14.9	5.59	38.5	89	72.9	716	195	31
4185	Bozeman MT	09MT-55	2	43.5	98.4	72	79.9	1.9	1	11.8	5.04	42.7	112	86.6	194	178	52
4186	Bozeman MT	07N2-78	2	50.6	99.8	76	80.5	2.2	2	11.9	4.63	40.3	94	66.3	225	154	47
4187	Bozeman MT	08AB-06	2	46.6	98.1	71	79.5	2.0	1	13.4	5.15	40.2	173	105.6	261	183	53
4188	Bozeman MT	06N2-17	2	52.8	99.6	78	77.6	1.9	1	15.5	5.38	35.4	160	63.4	486	177	33
4189	Bozeman MT	08MT-63	2	45.7	98.5	72	78.9	1.9	1	14.1	5.50	40.5	166	95.5	189	194	47
4190	Bozeman MT	07WA-64	2	45.4	99	73	74.3	n.d.	3	15.3	4.31	28.2	147	66.4	336	135	27
4191	Bozeman MT	09MT-94	2	45.1	97.5	73	79.9	1.9	1	11.9	5.32	45.3	97	89.4	415	225	53
4192	Bozeman MT	08N2-18	2	53.6	99.5	74	77.5	1.7	1	14.3	5.26	37.0	109	59.6	767	186	33
4193	Bozeman MT	08WA-30	2	44.4	99.2	70	79.0	n.d.	3	13.3	4.74	35.8	92	72.7	257	172	33
4194	Bozeman MT	09WA-16	2	39.6	97.3	81	77.8	2.9	1	14.8	6.64	47.2	171	96.4	204	293	28
4195	Bozeman MT	06WA-38	2	44.4	98.9	65	75.2	n.d.	3	15.1	4.04	27.5	117	54.5	723	126	24
4196	Bozeman MT	09BA-21	2	41.7	98.3	73	78.4	1.9	1	13.9	5.16	37.5	184	94.2	71	179	43
4197	Bozeman MT	07MT-40	2	47.4	98.5	62	78.2	1.4	1	13.4	4.44	33.7	153	63.1	513	133	42
4198	Bozeman MT	PI568246	2	46.2	99.1	72	75.2	n.d.	3	14.4	4.10	29.8	123	56.7	368	130	27
4199	Bozeman MT	09N2-63	2	46.1	99.5	82	80.6	2.3	1	12.4	5.20	43.0	98	85.4	184	198	53
4200	Bozeman MT	09N2-18	2	50.7	99.6	77	79.1	2.0	1	12.3	5.31	45.3	87	83.4	378	205	50
4201	Bozeman MT	06MT-57	2	45.3	98.8	68	75.8	1.5	2	15.2	4.60	30.8	115	74.7	265	141	29
4202	Bozeman MT	07WA-21	2	40.5	99.3	84	78.0	2.0	2	13.6	5.43	40.6	163	75.4	192	186	43
4203	Bozeman MT	06WA-29	2	49.2	98.7	73	76.6	n.d.	3	13.4	3.69	28.7	101	48.4	710	112	23
4204	Bozeman MT	SK 76333	2	42.2	98.6	74	79.5	2.0	1	14.1	5.72	41.8	146	98.7	329	229	46
4205	Bozeman MT	07N2-61	2	47.6	99	79	79.8	2.0	2	13.6	5.58	41.5	151	64.3	186	204	49
4206	Bozeman MT	08MT-41	2	46.3	98.8	72	75.1	n.d.	3	15.4	4.54	29.8	149	60.1	446	136	31
4207	Bozeman MT	08BA-11	2	47.0	98.4	69	78.9	2.5	2	13.8	5.54	41.9	175	87.6	102	200	49
4208	Bozeman MT	06BA-80	2	43.2	99.7	69	79.0	2.4	2	14.9	5.28	36.1	155	77.2	91	194	48
4209	Bozeman MT	08BA-82	2	46.8	98.4	71	79.3	2.3	1	14.7	6.01	41.3	181	95.9	171	235	40
4210	Bozeman MT	07WA-16	2	48.6	98.1	78	76.9	1.8	1	14.6	5.18	36.8	133	76.2	360	192	38
4211	Bozeman MT	07BA-86	2	42.7	98.6	81	79.4	2.8	1	13.7	5.55	41.4	129	91.6	347	218	47
4212		HARRINGTON MALT CHECK		40.1	96.3	76	82.1	1.8	1	11.3	5.10	48.2	116	97.3	93	208	49
4213	Bozeman MT	09AB-10	2	45.2	98.3	73	76.8	1.4	1	14.7	4.26	29.0	92	44.3	1710	134	19
4214	Bozeman MT	09N2-39	2	46.3	98.1	77	77.9	n.d.	3	12.6	4.33	36.5	112	62.8	441	153	34

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4215	Bozeman MT	08MT-44	2	46.4	98.8	70	78.2	1.5	1	12.7	4.08	34.0	118	55.2	457	133	40
4216	Bozeman MT	PI643354	2	47.9	99.5	75	78.6	n.d.	3	12.0	4.53	38.0	112	55.3	389	156	42
4217	Bozeman MT	06AB-47	2	49.7	98.9	85	78.2	1.4	1	14.1	4.38	33.2	166	54.2	412	144	33
4218	Bozeman MT	09AB-60	2	45.9	98.4	81	79.2	1.9	1	13.6	5.58	43.2	164	89.5	312	209	47
4219	Bozeman MT	09BA-18	2	42.5	98.3	74	78.5	2.4	1	14.1	6.07	44.2	182	130.4	261	226	40
4220	Bozeman MT	09WA-82	2	42.2	94.6	58	81.0	1.8	1	15.9	5.09	33.7	114	84.8	1877	179	37
4221	Bozeman MT	09AB-25	2	47.3	98.2	72	81.0	2.1	1	14.0	6.02	43.3	169	96.1	160	234	43
4222	Bozeman MT	06MT-20	2	45.7	98.7	76	79.3	2.2	1	14.3	5.75	42.3	154	101.3	220	210	43
4223	Bozeman MT	08MT-17	2	44.6	98.7	71	77.1	1.4	2	14.0	4.17	30.7	129	46.0	565	136	25
4224	Bozeman MT	MT910189	2	46.9	97	80	80.4	1.9	1	13.0	5.24	41.9	136	90.7	384	201	55
4225	Bozeman MT	09WA-43	2	48.1	98.6	70	75.8	1.5	1	15.3	4.57	30.3	140	60.6	590	153	33
4226	Bozeman MT	09N2-33	2	50.0	99.6	80	78.3	1.8	1	14.9	5.43	38.2	137	64.1	384	207	42
4227	Bozeman MT	08MT-25	2	40.0	92.8	43	81.1	n.d.	3	14.9	4.01	27.6	114	47.8	751	119	30
4228	Bozeman MT	09AB-89	2	46.1	98.2	85	78.8	1.6	1	13.9	4.68	35.2	130	91.1	465	169	37
4229	Bozeman MT	07N2-43	2	45.8	98.3	80	78.6	n.d.	3	13.2	4.72	36.7	152	66.5	449	175	40
4230	Bozeman MT	06BA-94	2	40.6	98.2	67	77.7	1.6	1	14.4	4.71	34.7	165	80.1	291	165	32
4231	Bozeman MT	08BA-14	2	43.1	98.5	69	78.5	2.2	1	14.1	5.25	37.5	162	96.6	315	197	42
4232	Bozeman MT	PI643354	6	47.4	99.3	78	78.3	1.7	1	12.5	4.42	36.7	120	58.8	286	149	36
4233	Bozeman MT	07MT-01	2	40.1	90.3	37	81.1	1.7	1	16.5	4.75	30.2	92	84.2	504	158	35
4234	Bozeman MT	08MT-84	2	43.9	96.3	68	76.7	1.9	1	13.6	4.02	31.7	135	62.0	689	141	29
4235	Bozeman MT	09N2-03	2	47.7	98.6	85	77.8	n.d.	3	13.3	4.71	36.3	101	56.4	606	174	33
4236	Bozeman MT	PI568246	2	45.3	99.1	74	75.6	n.d.	3	13.9	4.04	29.0	117	54.9	366	126	24
4237	Bozeman MT	07BA-79	2	42.8	97.2	74	80.0	2.1	1	14.0	5.61	42.6	172	98.5	243	212	46
4238	Bozeman MT	09WA-39	6	45.0	97.7	76	78.9	2.1	1	14.7	5.98	42.1	166	118.0	295	225	46
4239	Bozeman MT	08BA-76	2	41.2	98	72	79.5	2.1	1	14.1	5.77	43.4	200	123.5	134	232	48
4240	Bozeman MT	06MT-69	2	44.2	97.8	74	78.1	2.0	1	14.1	5.37	39.2	158	99.8	545	203	42
4241		HARRINGTON MALT CHECK		40.0	95.6	75	81.9	1.6	1	11.3	5.04	45.7	126	97.9	102	198	56
4242	Bozeman MT	07BA-64	2	44.2	97.9	74	78.6	2.0	1	14.1	5.50	39.8	149	99.8	350	201	42
4243	Bozeman MT	07N2-75	2	48.7	98.9	81	80.6	2.3	2	12.6	5.22	43.8	112	74.6	357	192	56
4244	Bozeman MT	09AB-42	2	45.2	96.2	59	77.8	0.9	1	16.7	3.56	21.6	95	36.9	2837	87	12
4245	Bozeman MT	08MT-36	2	46.5	95.5	66	79.4	2.6	1	13.6	5.64	44.3	128	85.2	114	223	49
4246	Bozeman MT	06MT-01	2	41.5	98.2	76	76.6	1.5	1	14.4	4.32	30.3	151	67.8	482	136	28
4247	Bozeman MT	09WA-04	2	46.7	99.1	74	75.3	n.d.	3	14.7	4.24	29.1	131	56.3	308	128	27
4248	Bozeman MT	08WA-58	2	43.9	98.6	78	79.9	2.2	1	14.5	5.77	40.1	121	98.5	218	214	46
4249	Bozeman MT	08N2-73	2	52.7	99.6	84	77.0	n.d.	3	12.3	4.71	38.6	120	61.0	555	170	41
4250	Bozeman MT	MT090183	2	42.9	99	76	78.6	1.6	1	11.9	4.21	35.7	154	62.9	213	133	43
4251	Bozeman MT	09AB-37	2	45.8	98.3	0	77.9	1.7	1	18.0	5.41	30.8	142	71.3	1055	170	33
4252	Bozeman MT	09N2-89	2	42.0	98.8	78	79.2	1.5	1	13.2	4.88	38.3	197	84.6	187	163	42
4253	Bozeman MT	07AB-66	2	46.4	98.3	72	77.4	1.6	2	14.4	4.56	32.5	184	49.9	379	145	29
4254	Bozeman MT	08MT-15	2	45.8	98.7	63	78.4	1.7	2	14.4	4.94	36.7	179	55.7	196	176	36
4255	Bozeman MT	07AB-93	2	44.6	98.9	76	77.6	1.7	1	14.4	4.46	31.7	178	50.7	225	150	33
4256	Bozeman MT	09BA-02	2	44.7	98.9	64	79.5	2.4	1	15.3	6.11	42.3	139	92.4	208	248	43
4257	Bozeman MT	09WA-71	2	46.8	98.8	72	75.4	1.9	1	15.5	4.82	31.6	137	63.6	1734	164	33
4258	Bozeman MT	09N2-16	2	45.1	98.6	75	78.3	1.6	1	13.7	4.79	35.8	127	68.1	262	163	37
4259	Bozeman MT	06MT-49	2	44.7	97	77	77.1	1.8	1	14.9	5.13	36.9	138	92.7	313	191	38
4260	Bozeman MT	09AB-62	2	47.5	98.6	78	78.8	1.9	1	13.0	5.26	42.6	130	84.5	148	213	55
4261	Bozeman MT	07BA-89	2	44.0	97.4	73	79.3	2.0	1	13.5	5.27	41.0	135	92.6	283	221	52
4262	Bozeman MT	08WA-25	2	46.4	97.2	82	75.4	1.3	2	14.1	3.83	27.9	99	50.1	349	123	18
4263	Bozeman MT	SK 76333	2	42.3	97.7	72	78.6	1.7	1	13.6	5.37	41.7	144	84.3	367	223	47

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
4264	Bozeman MT	06WA-77	2	42.7	98.8	63	75.6	1.5	2	14.7	4.39	30.3	157	55.2	374	159	28
4265	Bozeman MT	08N2-80	2	48.3	99.5	76	76.2	n.d.	3	12.5	4.11	33.4	134	55.5	704	144	37
4266	Mexico	M-01	6	35.3	80	68	77.9	2.3	2	13.9	5.06	37.3	85	68.2	552	199	33
4267	Mexico	M-02	6	34.2	88.5	82	75.6	2.8	1	13.8	5.47	41.6	89	75.9	218	244	36
4268	Mexico	M-03	6	32.7	80.6	82	75.8	2.4	2	13.5	3.93	29.7	163	53.2	359	142	30
4269	Mexico	M-04	6	30.6	74.5	72	79.6	2.4	1	12.8	5.70	46.9	115	80.8	126	250	56
4270		LACEY MALT CHECK		33.1	90	57	78.9	2.4	2	12.4	5.25	43.7	141	67.3	96	218	66
4271	Mexico	M-05	6	34.5	94.5	66	76.7	1.6	1	12.7	4.59	38.0	128	60.8	377	171	33
4272	Mexico	M-06	6	30.6	68.5	86	70.6	n.d.	3	13.2	3.62	28.6	92	35.7	601	127	14
4273	Mexico	M-07	6	35.8	86.1	71	75.3	2.8	2	14.9	5.04	35.3	114	54.0	776	182	21
4274	Mexico	M-08	6	30.4	72.3	81	78.5	2.0	1	11.4	4.97	44.9	98	88.7	367	229	38
4275	Mexico	M-09	6	34.0	88.9	72	74.8	1.8	2	14.4	4.71	33.4	104	61.7	518	171	18
4276	Mexico	M-10	6	32.3	86.5	76	79.0	1.9	1	12.2	5.15	42.6	117	79.2	109	213	59
4277	Mexico	M-11	6	32.4	80.3	74	76.5	1.9	1	14.1	5.24	37.3	151	79.9	212	212	38
4278	Mexico	M-12	6	35.8	88.5	74	75.2	2.3	1	14.5	5.50	39.0	126	74.0	173	224	35
4279	Mexico	M-13	6	35.6	88.8	73	76.9	2.3	2	13.7	4.84	36.3	75	68.2	301	182	26
4280	Mexico	M-14	6	38.8	93.4	71	74.2	1.5	1	14.9	4.27	28.9	123	55.4	808	141	23
4281	Mexico	M-15	6	31.7	67.8	77	75.7	2.0	1	13.0	4.65	36.7	151	58.9	201	175	30
4282	Mexico	M-16	6	32.2	74.6	76	78.2	2.1	1	13.2	5.30	41.4	139	80.6	119	236	54
4283	Mexico	M-17	6	29.9	67.5	78	78.6	2.2	1	12.8	5.30	41.6	121	73.3	179	237	44
4284	Mexico	M-18	6	32.6	72.8	78	75.5	n.d.	3	13.7	4.56	34.6	109	58.0	438	181	17
4285	Mexico	M-19	6	34.4	88.4	85	75.6	n.d.	3	13.2	3.93	30.0	125	64.3	323	161	31
4286	Mexico	M-20	6	35.7	91.4	76	76.5	1.9	1	14.7	5.37	38.9	127	82.8	378	223	35
4287	Mexico	M-21	6	35.8	90.8	80	79.4	2.4	2	11.1	4.39	41.1	118	63.9	274	187	33
4288	Mexico	M-22	6	33.6	81.2	69	74.4	1.9	1	15.3	4.77	31.5	153	57.1	401	181	26
4289	Mexico	M-23	6	38.4	93.1	81	78.1	n.d.	3	13.5	5.04	39.7	95	68.9	287	210	39
4290	Mexico	M-24	6	38.3	93.4	72	74.7	n.d.	3	12.3	3.50	29.4	112	41.3	522	119	24
4291	Mexico	M-25	2	42.7	85.8	68	72.4	n.d.	3	16.3	4.53	28.5	102	41.1	870	181	26
4292	Mexico	M-26	2	39.4	95.4	65	75.6	n.d.	3	14.8	4.52	31.0	110	44.6	762	175	22
4293	Mexico	M-27	2	41.8	94.7	65	75.1	2.2	2	15.8	4.35	27.7	135	50.6	954	171	27
4294	Mexico	M-28	2	38.8	93.2	72	71.9	1.7	2	14.3	3.81	27.2	113	48.2	460	139	16
4295	Mexico	M-29	2	40.0	90	69	75.9	1.7	1	14.1	4.13	30.6	99	51.8	598	164	19
4296	Mexico	M-30	2	43.7	93.3	69	75.7	n.d.	3	13.3	4.80	36.1	107	61.2	608	200	38
4297	Mexico	M-31	2	41.1	91.3	66	76.1	2.0	2	14.4	4.81	33.7	107	78.8	633	197	33
4298	Mexico	M-32	2	41.6	93	63	73.4	2.3	2	14.9	5.08	35.3	129	67.2	334	188	34
4299		HARRINGTON MALT CHECK		40.2	97.1	77	81.7	1.6	1	11.2	4.90	46.9	125	92.4	112	209	58
4300	Mexico	M-33	2	35.8	78.9	71	74.7	2.3	2	14.3	4.47	31.7	98	59.4	600	171	15
4301	Mexico	M-34	2	38.6	82.3	72	72.2	n.d.	3	14.8	4.20	28.5	100	47.3	615	151	9
4302	Mexico	M-35	2	45.7	91.2	53	69.7	2.7	1	20.2	6.57	33.1	174	73.3	594	256	31
4303	Mexico	M-36	2	37.9	84.3	75	75.5	1.8	2	12.8	4.21	32.8	75	62.4	731	145	21
4304	Mexico	M-37	2	37.9	88.6	73	78.0	2.6	1	13.3	5.40	41.7	104	85.0	362	246	38
4305	Mexico	M-38	2	44.3	96	64	73.5	1.9	1	15.7	4.83	31.4	126	62.0	252	181	36
4306	Mexico	M-39	2	41.0	76.6	74	71.8	n.d.	3	14.6	3.97	28.0	120	54.6	744	150	18
4307	Mexico	M-40	2	44.4	92.5	57	71.3	2.0	1	16.9	5.42	33.2	148	63.4	499	210	38
4308	Mexico	M-41	6	35.0	90.6	74	78.5	n.d.	3	13.3	4.35	34.0	125	60.2	450	192	41
4309	Mexico	M-42	6	33.0	81.3	80	75.9	n.d.	3	13.7	4.30	32.9	147	47.7	463	144	26
4310	Mexico	M-43	6	35.9	89.4	78	77.1	1.8	1	13.2	4.61	37.4	148	74.9	287	198	39
4311	Mexico	M-44	6	36.2	95.8	65	73.0	1.7	1	14.6	4.64	33.3	142	64.1	581	172	26
4312	Mexico	M-45	6	33.2	88	68	73.6	1.9	2	13.9	4.34	32.6	110	62.7	463	189	23

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
4313	Mexico	M-46	6	37.1	93	63	76.1	2.1	2	14.4	5.38	38.9	139	71.1	357	226	34
4314	Mexico	M-47	6	37.3	95.6	66	75.1	n.d.	3	13.9	4.21	31.3	84	51.0	509	178	22
4315	Mexico	M-48	6	44.8	98.1	60	72.4	n.d.	3	14.9	4.34	30.0	132	58.2	711	170	21
4316	Mexico	M-49	6	34.8	91.6	69	75.4	2.1	2	13.7	4.32	32.0	116	57.4	264	187	23
4317	Mexico	M-50	6	34.0	83.4	67	74.5	n.d.	3	13.2	3.53	27.6	84	51.0	805	132	27
4318	Mexico	M-51	6	34.3	87.1	63	73.3	1.6	1	14.1	4.58	32.8	129	63.1	782	181	23
4319	Mexico	M-52	2	39.0	88.5	69	73.3	2.0	1	16.0	4.58	28.9	62	60.2	1033	160	21
4320	Mexico	M-53	2	43.0	93.6	66	73.2	1.5	1	15.8	4.43	29.8	90	53.2	758	157	26
4321	Mexico	M-54	2	36.6	71.8	63	70.5	n.d.	3	15.6	3.81	25.1	79	37.2	1288	119	0
4322	Mexico	M-55	6	26.7	57	65	76.9	2.2	1	12.9	4.75	39.9	103	64.8	185	193	22
4323	Mexico	M-56	6	29.2	61.2	68	77.0	n.d.	3	12.6	4.65	37.3	116	68.8	54	195	29
4324	Mexico	M-57	6	29.1	77.1	71	78.1	n.d.	3	12.5	4.63	38.1	147	57.1	550	178	33
4325	Mexico	M-58	6	32.2	75.3	75	78.0	2.0	1	11.6	4.34	37.5	131	59.1	187	163	35
4326	Mexico	M-59	6	27.6	61.8	68	76.3	2.2	1	13.9	4.36	33.4	130	53.0	530	160	18
4327	Mexico	M-60	6	47.6	98.7	64	76.8	2.1	1	15.3	5.17	34.7	139	75.5	398	201	31
4328		LACEY MALT CHECK		33.0	89.9	54	79.3	2.6	1	13.0	5.17	41.1	124	64.2	135	213	54
4329	Mexico	M-61	6	39.9	95.7	37	78.7	2.7	1	11.1	3.79	35.9	123	48.0	514	134	32
4330	Mexico	M-62	6	50.7	98.4	37	76.8	2.2	1	14.3	4.82	36.0	96	48.9	625	177	19
4331	Mexico	M-63	6	34.4	93.3	36	76.0	n.d.	3	11.0	4.21	38.6	119	44.6	812	120	19
4332	Mexico	M-64	6	34.4	94	35	78.4	2.4	1	12.0	4.65	39.4	149	61.7	385	185	43
4333	Mexico	M-65	6	39.2	95.8	35	78.7	2.8	1	12.3	4.60	38.6	122	63.9	482	173	40
4334	Mexico	M-66	6	35.2	85	41	74.6	2.5	1	12.2	4.20	34.6	101	73.8	821	158	29
4335	Mexico	M-67	6	39.4	92.6	34	76.4	2.1	1	13.0	4.66	38.1	104	63.2	625	173	29
4336	Mexico	M-68	6	39.4	96	37	75.7	1.7	1	14.4	4.41	32.0	133	42.8	789	152	20
4337	Mexico	M-69	6	44.4	98	35	78.9	1.9	1	11.8	4.52	39.1	121	64.0	359	175	40
4338	Mexico	M-70	6	45.3	96.2	33	78.6	1.9	1	11.7	4.84	41.9	110	68.5	363	193	42
4339	Mexico	M-71	6	35.5	94.4	42	74.7	2.0	1	14.1	4.81	34.4	120	52.5	619	193	29
4340	Mexico	M-72	6	39.8	97.1	35	81.1	1.9	1	11.5	4.74	42.3	127	68.6	207	193	46
4341	Mexico	M-73	6	36.7	94.5	29	77.6	2.0	1	11.1	4.03	38.1	145	53.6	539	141	31
4342	Mexico	M-74	6	37.1	96.6	29	74.3	2.2	1	12.7	4.26	34.6	143	50.3	667	138	36
4343	Mexico	M-75	6	41.8	97.3	39	79.2	2.0	1	12.2	4.56	40.4	135	68.3	305	165	43
4344	Mexico	M-76	6	39.5	96	27	78.5	2.4	1	13.2	4.75	38.7	119	66.2	606	178	36
4345	Mexico	M-77	6	49.8	97	28	79.0	2.1	2	12.8	4.51	35.9	76	41.4	433	157	32
4346	Mexico	M-78	6	44.1	95.8	44	80.0	2.3	1	12.5	5.18	44.7	165	83.3	261	191	57
4347	Mexico	M-79	6	43.7	96.2	41	78.2	2.7	1	12.9	5.19	42.1	146	84.6	241	190	51
4348	Mexico	M-80	6	35.0	94.5	38	74.2	1.8	1	13.2	4.83	36.6	90	48.9	516	159	29
4349	Mexico	M-81	6	52.8	97.8	29	78.5	2.1	1	13.1	4.70	37.9	121	47.8	481	149	37
4350	Mexico	M-82	6	33.7	95.8	41	73.3	2.2	1	15.1	5.40	36.2	109	56.1	673	189	26
4351	Mexico	M-83	6	37.8	94	30	76.0	2.2	2	11.0	4.46	40.7	69	62.4	598	142	23
4352	Mexico	M-84	6	35.6	96	33	80.2	2.7	1	11.6	5.53	52.3	185	85.7	75	201	65
4353	Mexico	M-85	6	34.5	85.4	33	77.6	1.9	1	11.1	4.22	41.0	134	63.3	337	155	28
4354	Mexico	M-86	6	33.4	87	36	79.5	2.3	1	11.0	4.22	39.5	122	74.5	516	153	38
4355	Mexico	M-87	6	32.9	97.7	33	79.3	2.7	2	9.9	4.42	45.8	98	62.6	164	158	41
4356	Mexico	M-88	6	30.0	86.4	43	79.3	2.2	1	10.8	4.26	40.4	122	58.2	253	154	35
4357		LACEY MALT CHECK		33.3	90.5	54	79.0	2.5	2	13.2	5.38	43.1	129	68.7	126	204	59
4358	Mexico	M-89	6	36.6	96.9	17	79.4	2.1	2	11.5	4.58	41.1	106	71.1	407	168	33
4359	Mexico	M-90	6	34.5	95.2	34	76.9	2.7	1	11.2	4.67	43.3	136	60.2	115	161	40
4360	Pullman, WA	OBADV11-13	6	37.3	91.2	59	75.2	2.3	2	11.4	3.72	35.5	117	46.4	219	130	20
4361	Pullman, WA	OBADV11-28	6	37.1	94.3	63	75.5	n.d.	3	11.0	3.09	29.4	97	36.2	610	90	15

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
4362	Pullman, WA	OBADV11-6	6	35.8	93.1	63	74.5	n.d.	3	10.7	2.98	29.3	87	31.3	572	84	15
4363	Pullman, WA	OBADV11-1	6	37.2	92.9	59	75.9	n.d.	3	10.9	3.34	30.6	97	35.5	432	97	15
4364	Pullman, WA	OBADV11-17	6	32.1	90.3	66	75.9	n.d.	3	10.7	3.35	32.2	74	36.1	305	109	15
4365	Pullman, WA	Maja	6	31.2	86.2	64	79.8	1.8	1	10.5	3.94	39.3	130	57.9	65	170	44
4366	Pullman, WA	OBADV11-7	6	42.6	93.9	69	76.8	1.5	1	11.5	3.95	35.3	95	54.3	497	155	24
4367	Pullman, WA	NB3437-UNL2010	6	30.1	82.6	49	73.7	n.d.	3	12.6	3.84	32.8	88	47.8	557	142	23
4368	Pullman, WA	OBADV11-19	6	39.8	95.6	73	78.0	1.6	1	10.6	3.47	34.0	86	50.6	426	120	28
4369	Pullman, WA	OBADV11-9	6	34.5	91.2	60	75.1	2.4	2	12.1	3.21	28.0	96	40.7	446	95	25
4370	Pullman, WA	OBADV11-11	6	31.3	76.3	66	74.2	2.3	2	11.4	3.61	31.7	102	44.9	465	130	17
4371	Pullman, WA	OBADV11-24	6	35.2	94.4	62	77.0	n.d.	3	10.1	3.36	34.2	91	43.7	224	115	19
4372	Pullman, WA	OBADV11-21	6	38.7	94.6	67	76.2	n.d.	3	10.7	3.25	30.4	75	36.8	371	97	15
4373	Pullman, WA	OBADV11-8	6	38.0	91.9	55	75.7	n.d.	3	10.5	3.17	30.9	78	34.1	478	89	15
4374	Pullman, WA	OBADV11-23	6	32.2	89.8	61	75.1	n.d.	3	11.9	3.63	32.9	98	42.2	230	125	24
4375	Pullman, WA	OBADV11-14	6	35.5	89.2	54	76.1	1.7	1	11.6	3.36	29.7	78	38.1	397	111	22
4376	Pullman, WA	OBADV11-5	6	37.3	90.9	71	75.9	2.5	2	11.4	3.45	32.2	89	41.0	243	111	20
4377	Pullman, WA	OBADV11-20	6	33.4	90.8	75	76.2	n.d.	3	12.2	3.70	32.7	126	43.4	410	127	28
4378	Pullman, WA	OBADV11-22	6	36.8	90.3	57	73.6	n.d.	3	13.9	4.02	29.4	144	41.7	383	136	26
4379	Pullman, WA	OBADV11-31	6	27.4	90.4	58	73.4	n.d.	3	11.8	3.14	27.9	96	27.0	641	90	15
4380	Pullman, WA	OBADV11-2	6	33.4	80.3	67	76.9	1.7	1	11.4	3.41	31.6	95	41.9	494	115	21
4381	Pullman, WA	OBADV11-25	6	39.7	91.1	70	78.6	n.d.	3	10.1	3.30	32.9	85	35.3	252	96	22
4382	Pullman, WA	OBADV11-4	6	37.6	94.2	71	78.9	1.6	1	10.6	3.74	36.1	107	50.8	125	126	34
4383	Pullman, WA	OBADV11-29	6	36.0	96.4	69	76.2	3.6	3	11.6	3.21	28.1	96	37.1	329	93	20
4384	Pullman, WA	OBADV11-30	6	36.0	87.7	60	72.7	2.3	2	11.7	3.25	28.0	96	35.8	379	96	21
4385	Pullman, WA	OBADV11-26	6	38.0	89.3	68	75.2	n.d.	3	12.1	3.24	27.8	96	37.0	453	96	20
4386		LACEY MALT CHECK		32.6	93	70	79.0	2.4	1	13.0	5.42	45.1	130	67.2	134	205	63
4387	Pullman, WA	OBADV11-18	6	40.5	95.5	66	73.6	2.7	3	11.5	3.21	28.7	84	32.8	521	101	20
4388	Pullman, WA	OBADV11-32	6	37.8	93.5	68	72.5	1.9	2	12.7	3.12	26.2	103	34.1	691	99	21
4389	Pullman, WA	OR76	6	35.3	89.9	70	75.1	n.d.	3	10.8	3.02	29.5	83	32.6	588	94	15
4390	Pullman, WA	OBADV11-3	6	34.9	91.5	61	75.4	1.3	1	11.4	3.22	29.9	109	42.5	336	105	21
4391	Pullman, WA	OBADV11-12	6	35.6	87.8	55	74.0	1.5	1	12.2	3.60	29.6	130	47.6	366	123	30
4392	Pullman, WA	OBADV11-27	6	35.3	90.1	64	73.9	n.d.	3	11.1	3.09	28.2	103	30.1	594	89	15
4393	Pullman, WA	OBADV11-15	6	33.7	85.9	68	76.5	1.5	1	11.4	3.26	29.5	101	41.8	327	106	21
4394	Pullman, WA	Alba	6	36.0	89.1	72	75.8	1.5	1	12.0	3.64	31.0	102	45.9	503	118	26
4395	Pullman, WA	OBADV11-16	6	33.6	84.8	47	74.8	n.d.	3	12.1	3.71	32.7	122	43.2	332	129	28
4396	Pullman, WA	OR105	6	34.9	89.5	54	77.9	2.4	2	11.1	3.67	34.9	116	49.5	192	127	24
4397	Pullman, WA	OR97	6	31.6	86.2	55	79.1	1.8	1	10.9	4.34	41.0	129	86.0	171	192	40
4398	Pullman, WA	OR816	6	32.9	91.2	70	78.6	2.4	2	10.8	3.70	37.1	113	59.6	219	156	30
4399	Pullman, WA	OR818	6	30.7	88.1	53	79.1	1.8	1	11.2	4.35	40.4	128	81.9	173	190	37
4400	Pullman, WA	OR910	6	31.5	90.6	53	79.6	1.8	1	10.9	4.32	41.9	121	88.3	170	193	40
4401	Pullman, WA	OR103	6	39.3	95.7	56	78.4	1.8	1	11.4	3.97	37.5	102	62.9	333	168	31
4402	Pullman, WA	Charles	2	38.5	94.7	61	81.2	1.6	1	11.0	4.51	43.8	128	104.7	71	196	67
4403	Pullman, WA	OR113	6	33.3	88.6	60	78.8	1.8	1	11.1	3.87	36.4	117	68.8	126	153	34
4404	Pullman, WA	OR111	6	40.7	89.8	57	76.7	1.4	1	11.9	3.78	33.3	98	59.3	544	146	29
4405	Pullman, WA	OR815	6	37.2	95.9	63	79.2	1.5	1	11.5	4.16	37.6	116	71.7	225	162	34
4406	Pullman, WA	OR110	6	36.4	92.9	63	77.5	1.7	1	11.2	3.60	34.3	117	57.8	249	118	24
4407	Pullman, WA	OR108	6	35.7	94.7	69	77.8	1.7	1	10.8	3.62	36.3	102	65.3	218	131	28
4408	Pullman, WA	Eight-Twelve	6	31.7	90.9	65	75.2	n.d.	3	11.1	3.86	35.8	100	48.7	275	148	18
4409	Pullman, WA	OR915	6	32.0	80.8	55	78.4	n.d.	3	10.5	3.87	38.3	100	66.5	167	166	32
4410	Pullman, WA	OR104	6	34.4	85.5	63	78.7	n.d.	3	10.5	3.69	37.3	110	60.4	203	150	29

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4411	Pullman, WA	OR102	6	38.9	90.2	59	77.5	1.5	1	11.3	3.47	31.6	87	55.4	446	132	24
4412	Pullman, WA	OR106	6	35.7	96.7	70	76.7	2.5	2	12.1	3.80	34.0	119	59.6	323	156	28
4413	Pullman, WA	OR101	6	30.8	93.7	58	80.3	1.9	1	9.8	4.21	43.5	114	90.0	120	190	45
4414	Pullman, WA	OR98	6	31.5	91.9	52	80.1	1.8	1	10.1	4.32	44.5	114	85.8	119	190	45
4415	Pullman, WA	Maja	6	35.0	90.5	52	77.4	n.d.	3	9.8	3.25	34.6	44	45.2	596	112	19
4416		LACEY MALT CHECK		33.4	91.9	57	78.9	n.d.	3	12.9	5.22	43.0	132	73.3	131	211	58
4417	Pullman, WA	OR107	6	40.7	96.1	66	76.8	2.3	2	10.0	3.39	34.8	84	58.2	402	129	23
4418	Pullman, WA	OR76	6	36.4	95.7	67	79.1	2.2	1	11.2	4.05	37.8	97	82.9	117	154	41
4419	Pullman, WA	OR91	6	30.9	89.9	54	79.7	2.2	1	10.2	4.23	43.2	103	87.2	124	189	41
4420	Pullman, WA	OR813	6	35.8	94.8	64	78.6	1.8	1	11.9	4.09	36.5	107	83.2	115	156	43
4421	Pullman, WA	OR109	6	33.4	90.9	60	80.8	2.1	1	9.9	4.19	45.0	101	75.7	123	171	42
4422	Pullman, WA	OR114	6	35.0	92.9	58	78.5	n.d.	3	9.5	3.44	37.4	77	55.2	421	128	29
4423	Pullman, WA	OR112	6	37.1	95.3	59	77.6	n.d.	3	9.8	3.67	39.2	89	63.7	183	148	22
4424	Bozeman MT	07MT-43	2	45.5	97.5	75	77.1	1.6	1	14.7	4.75	33.4	134	83.4	199	175	33
4425	Bozeman MT	09AB-74	2	41.3	94.3	77	77.1	1.8	1	15.1	5.15	36.1	145	121.2	211	210	37
4426	Bozeman MT	06WA-42	2	48.8	98.3	78	76.8	2.0	1	15.0	5.07	34.5	154	102.1	354	195	38
4427	Bozeman MT	08MT-91	2	43.5	95.1	75	74.8	1.2	1	14.9	3.99	27.6	147	58.8	534	133	26
4428	Bozeman MT	09AB-66	2	41.8	98.5	67	77.3	1.8	1	15.3	5.16	35.9	144	112.9	196	203	37
4429	Bozeman MT	MT910189	2	46.6	97	79	77.9	1.7	1	14.6	5.37	37.1	185	109.7	306	208	38
4430	Bozeman MT	09AB-44	2	41.4	84.8	56	79.9	1.3	1	15.4	3.81	26.0	100	62.9	1290	103	20
4431	Bozeman MT	08AB-25	2	39.2	88.3	57	79.2	1.6	2	17.2	3.90	23.6	95	59.8	1342	112	17
4432	Bozeman MT	07MT-67	2	44.8	99.4	72	76.2	1.3	1	15.4	3.98	27.1	167	72.7	348	112	26
4433	Bozeman MT	08N2-44	2	51.4	98.8	81	77.1	1.4	1	15.0	4.46	30.6	174	57.1	245	165	33
4434	Bozeman MT	06MT-26	2	45.0	98.3	71	76.3	1.4	1	15.3	4.21	28.6	180	64.3	235	136	29
4435	Bozeman MT	08N2-07	2	52.4	99.7	73	77.1	1.7	2	14.7	4.56	31.2	168	59.1	694	159	32
4436	Bozeman MT	07MT-40	2	47.6	97.3	70	76.2	1.5	1	14.9	4.35	29.7	176	67.8	509	157	29
4437	Bozeman MT	09BA-29	2	41.3	98.8	72	76.2	1.8	1	16.0	5.44	34.0	207	93.7	172	222	37
4438	Bozeman MT	06N2-93	2	51.1	99.3	77	76.4	2.0	1	15.7	5.50	35.8	97	77.5	720	214	31
4439	Bozeman MT	09WA-88	2	38.7	92.2	49	76.5	1.5	2	17.4	3.87	23.0	128	58.3	1327	100	22
4440	Bozeman MT	08MT-06	2	47.2	99.1	76	75.1	1.2	1	15.4	3.92	25.6	148	48.7	622	114	23
4441	Bozeman MT	08N2-62	2	51.7	99.2	82	77.7	2.3	2	14.0	4.73	35.3	129	64.4	468	169	32
4442	Bozeman MT	09AB-89	2	46.8	98.7	84	76.4	1.5	1	14.9	4.49	31.4	130	81.3	584	160	33
4443	Bozeman MT	09WA-19	2	43.7	98.4	73	75.5	1.4	1	15.1	4.27	29.0	162	57.0	335	146	29
4444	Bozeman MT	SK 76333	2	43.1	97.4	78	78.7	1.8	1	15.4	5.58	38.4	171	94.6	350	239	42
4445		HARRINGTON MALT CHECK		40.0	97	76	82.5	1.7	1	11.5	4.84	45.2	124	92.9	61	209	63
4446	Bozeman MT	08AB-24	2	43.2	96.9	67	79.1	2.3	1	14.9	5.98	40.7	162	109.7	169	265	43
4447	Bozeman MT	MT090183	2	44.2	98.2	75	78.1	1.4	1	13.2	4.32	34.9	170	61.3	184	158	38
4448	Bozeman MT	09WA-82	2	42.6	94.1	50	80.9	1.6	1	16.5	4.58	29.1	116	70.4	1355	176	37
4449	Bozeman MT	08WA-53	2	45.7	98.5	77	78.3	2.0	1	14.8	5.59	38.8	163	98.7	369	226	42
4450	Bozeman MT	PI643354	2	45.6	98.5	77	77.7	2.0	2	13.8	4.52	34.0	125	53.5	366	154	32
4451	Bozeman MT	07N2-78	2	48.7	98.6	73	81.1	2.1	1	12.5	4.80	39.4	93	65.4	175	190	49
4452	Bozeman MT	08MT-61	2	46.8	98.7	72	77.4	1.4	1	15.5	4.74	30.8	157	62.6	368	169	33
4453	Bozeman MT	07BA-84	2	46.4	98.4	72	78.0	1.9	1	16.1	5.45	35.4	199	88.8	250	204	38
4454	Bozeman MT	09MT-02	2	33.3	79.8	56	77.7	2.0	1	12.2	4.29	36.7	99	61.2	422	155	22
4455	Bozeman MT	06N2-63	2	54.9	99.6	73	79.6	2.0	1	13.7	5.49	42.2	124	62.9	420	211	50
4456	Bozeman MT	08MT-04	2	46.1	98.4	57	75.3	1.3	1	16.3	4.64	28.9	158	51.4	460	156	33
4457	Bozeman MT	08MT-27	2	42.1	98	72	78.5	1.9	1	14.5	5.60	38.7	163	98.9	185	208	38
4458	Bozeman MT	08MT-07	2	49.0	99.3	79	77.7	1.8	1	14.5	5.06	35.2	168	76.2	463	174	33
4459	Bozeman MT	08N2-35	2	45.8	98.8	82	80.7	1.9	1	12.2	5.15	42.6	109	86.6	507	208	57

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4460	Bozeman MT	08WA-57	2	48.2	99.1	75	76.2	1.7	2	14.3	4.00	28.1	138	50.6	585	123	28
4461	Bozeman MT	06MT-59	2	41.2	98.2	75	74.9	1.3	1	15.2	4.10	27.4	153	54.3	661	124	28
4462	Bozeman MT	09BA-09	2	48.3	99.3	75	77.1	1.9	1	16.1	5.61	35.6	190	96.6	260	213	34
4463	Bozeman MT	08WA-64	2	42.0	98.2	72	77.1	1.7	1	15.0	5.37	36.3	169	100.3	116	205	41
4464	Bozeman MT	08MT-19	2	46.1	98.1	65	75.6	n.d.	3	14.9	3.94	26.7	98	45.2	699	115	14
4465	Bozeman MT	09WA-64	2	41.8	96.6	73	75.6	1.2	1	14.8	3.74	25.3	138	59.7	373	112	25
4466	Bozeman MT	06MT-20	2	45.9	97.5	74	78.3	2.2	1	15.0	5.48	36.6	158	93.6	242	220	42
4467	Bozeman MT	09N2-04	2	47.2	98.7	77	77.5	2.1	2	12.9	4.22	32.7	121	68.3	639	152	38
4468	Bozeman MT	PI568246	2	45.3	98.4	72	74.4	2.2	2	14.6	3.94	27.2	120	55.2	383	121	22
4469	Bozeman MT	07MT-80	2	44.4	96.6	70	77.2	2.2	1	14.5	5.25	37.0	99	76.8	482	212	31
4470	Bozeman MT	06N2-37	2	52.9	99.7	71	73.3	n.d.	3	15.9	4.39	27.6	124	49.9	687	139	24
4471	Bozeman MT	06BA-80	2	43.7	98.9	71	77.6	2.5	2	16.0	5.09	32.8	156	73.6	124	181	38
4472	Bozeman MT	06MT-64	2	45.3	97.3	74	74.6	n.d.	3	14.5	3.67	26.0	101	47.1	399	111	18
4473	Bozeman MT	06MT-01	2	41.3	97.7	80	75.9	1.6	1	15.0	4.33	29.3	159	74.3	423	142	28
4474		HARRINGTON MALT CHECK		41.2	96.3	77	81.6	1.6	1	11.2	4.88	45.0	134	95.8	82	201	58
4475	Bozeman MT	08MT-71	2	45.1	97.7	75	76.1	1.6	1	15.1	4.56	31.2	145	63.7	614	186	36
4476	Bozeman MT	08MT-84	2	44.8	97.6	76	75.7	1.8	1	14.2	4.05	28.6	132	57.9	745	148	29
4477	Bozeman MT	08WA-11	2	43.7	97.7	77	78.2	1.8	1	14.2	5.04	36.5	132	84.8	541	203	42
4478	Bozeman MT	06N2-39	2	47.3	98.9	81	78.4	2.2	1	13.8	5.62	42.8	79	85.2	596	231	36
4479	Bozeman MT	07WA-11	2	38.4	95.5	77	75.5	1.8	1	16.2	5.86	37.5	187	72.3	368	216	31
4480	Bozeman MT	08BA-76	2	42.3	97.8	72	78.5	2.1	1	15.0	5.93	40.5	198	112.7	157	237	43
4481	Bozeman MT	09MT-16	2	45.1	98.6	79	78.2	1.5	1	12.9	4.72	37.9	126	81.1	353	173	47
4482	Bozeman MT	08MT-63	2	44.3	98.5	75	78.7	2.4	1	15.1	5.90	40.0	143	92.3	212	223	43
4483	Bozeman MT	09AB-15	2	47.4	98.4	78	71.8	1.8	2	15.7	3.92	25.6	79	45.6	2592	111	15
4484	Bozeman MT	06N2-85	2	48.0	98.3	81	78.9	1.8	1	13.1	4.91	37.9	122	78.2	300	182	45
4485	Bozeman MT	PI568246	2	44.4	98.1	76	74.5	n.d.	3	14.8	3.89	26.8	129	56.3	383	119	24
4486	Bozeman MT	09MT-08	2	30.2	78.2	66	78.3	1.9	1	11.9	4.59	39.2	112	71.2	564	181	37
4487	Bozeman MT	SK 76333	2	43.3	97.6	76	78.2	1.8	1	14.7	5.58	38.5	160	93.2	359	224	42
4488	Bozeman MT	07MT-10	2	37.8	89.7	42	82.3	1.1	1	15.9	4.42	28.0	192	68.3	205	135	36
4489	Bozeman MT	09N2-12	2	47.1	98.1	87	77.4	1.9	1	13.0	5.10	39.4	159	72.4	373	193	43
4490	Bozeman MT	09N2-51	2	46.8	98.6	75	76.6	2.1	1	15.2	5.30	35.8	153	83.4	347	186	36
4491	Bozeman MT	08WA-66	2	35.2	74.6	52	76.8	1.2	1	18.2	4.35	24.3	106	54.7	1063	125	16
4492	Bozeman MT	07MT-94	2	48.1	98.9	74	77.5	1.6	1	15.0	4.91	33.6	165	72.8	243	167	33
4493	Bozeman MT	08AB-09	2	41.9	97.6	80	76.7	1.7	1	13.2	4.30	32.9	65	60.0	760	169	26
4494	Bozeman MT	08MT-93	2	51.3	99.4	76	75.2	2.0	2	15.4	4.31	28.4	72	55.2	1862	159	21
4495	Bozeman MT	09BA-02	2	45.0	98.4	65	78.5	2.7	1	16.0	6.15	39.2	129	91.7	290	251	35
4496	Bozeman MT	09AB-10	2	45.8	98.3	68	76.3	1.5	1	16.1	4.29	27.2	101	44.1	1659	132	23
4497	Bozeman MT	07N2-64	2	52.1	98.9	76	78.4	1.8	1	12.8	5.45	44.2	147	94.1	220	224	57
4498	Bozeman MT	09N2-82	2	42.6	97.2	73	76.1	1.6	1	16.0	5.24	34.3	172	101.1	593	183	36
4499	Bozeman MT	07N2-43	2	45.8	98.6	82	77.5	1.8	2	13.7	4.70	35.4	160	65.3	561	174	32
4500	Bozeman MT	PI643354	2	48.0	99.3	72	77.8	1.8	1	12.9	4.55	35.4	123	54.4	356	147	43
4501	Bozeman MT	08WA-90	2	44.7	98.7	62	75.4	2.3	1	15.7	4.78	30.8	90	65.1	1560	163	26
4502	Bozeman MT	08N2-37	2	53.0	98.6	76	77.3	1.7	1	14.6	4.78	34.2	96	52.3	683	183	29
4503		HARRINGTON MALT CHECK		41.1	96.8	73	81.8	1.6	1	11.3	4.88	44.9	125	98.3	65	207	58
4504	Bozeman MT	07BA-89	2	44.6	96.8	72	79.2	1.8	1	14.5	5.27	37.2	144	92.3	361	208	42
4505	Bozeman MT	08AB-46	2	45.1	98.6	70	77.3	1.9	1	15.6	5.56	37.6	145	84.6	187	209	38
4506	Bozeman MT	MT090183	2	44.5	98.8	76	77.8	1.5	1	12.8	4.30	33.7	177	64.9	291	141	39
4507	Bozeman MT	08N2-80	2	48.7	99.6	72	76.2	1.7	2	13.8	4.64	34.8	151	64.9	694	151	32
4508	Bozeman MT	09N2-73	2	51.7	99.5	75	76.5	2.0	1	15.6	5.71	36.7	169	81.5	121	205	37

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4509	Bozeman MT	06MT-57	2	45.8	99	68	74.9	1.4	1	15.8	4.51	28.9	123	70.4	335	143	33
4510	Bozeman MT	07WA-06	2	44.7	98.6	71	76.0	1.5	2	14.2	4.03	29.8	133	59.4	371	127	28
4511	Bozeman MT	07WA-14	2	39.0	97.9	83	75.9	1.7	1	15.5	5.54	36.9	227	74.4	316	199	35
4512	Bozeman MT	09BA-89	2	48.3	98.7	72	77.6	2.6	2	16.0	5.79	38.0	172	97.8	201	220	33
4513	Bozeman MT	07WA-13	2	38.7	98.2	74	76.3	1.8	1	16.2	5.99	38.4	228	74.4	245	220	31
4514	Bozeman MT	MT910189	2	47.3	97.8	78	78.2	2.1	1	14.7	5.60	39.2	172	94.8	352	215	38
4515	Bozeman MT	07WA-16	2	48.2	98.3	75	74.8	1.8	1	15.3	4.84	32.4	146	76.0	390	167	33
4516	Bozeman MT	09BA-68	2	46.2	97.9	74	78.1	2.2	1	14.0	5.06	37.6	176	96.8	225	175	37
4517	Bozeman MT	07N2-08	2	49.7	99.4	77	76.3	1.7	1	14.2	4.89	35.4	155	71.8	464	174	33
4518	Bozeman MT	08BA-95	2	41.6	97.5	71	76.7	2.3	1	15.4	5.59	37.8	159	102.8	300	216	37
4519	Bozeman MT	06WA-25	2	41.6	96.9	57	75.7	2.6	2	15.5	5.21	34.7	171	62.7	185	187	34
4520	Bozeman MT	08WA-67	2	45.8	98.6	44	78.2	1.7	2	17.8	4.38	24.6	105	52.8	1088	137	29
4521	Bozeman MT	09AB-37	2	46.7	98.2	0	77.0	2.1	1	18.8	5.46	29.6	141	70.4	1090	167	33
4522	Bozeman MT	07WA-03	2	47.0	99.5	64	75.9	2.0	2	15.4	4.47	29.3	147	55.0	195	147	32
4523	Bozeman MT	08N2-12	2	51.7	99.3	77	75.0	1.7	1	15.2	4.73	31.1	141	65.7	507	167	33
4524	Bozeman MT	08AB-17	2	48.8	98.5	75	76.7	2.3	1	15.8	5.45	35.7	181	92.2	307	207	38
4525	Bozeman MT	08WA-94	2	38.7	92.1	54	78.7	2.4	2	17.7	4.96	29.3	124	70.9	1345	146	33
4526	Bozeman MT	MT910189	2	48.0	98.6	78	78.3	2.8	1	15.1	6.18	42.3	167	94.8	333	236	40
4527	Bozeman MT	06N2-06	2	47.8	98.8	71	77.0	1.7	1	14.6	4.79	33.1	183	70.6	396	167	33
4528	Bozeman MT	07BA-96	2	41.3	95.4	48	81.5	1.4	1	15.3	4.62	30.7	177	65.5	231	138	42
4529	Bozeman MT	08MT-95	2	49.3	99.1	72	75.3	2.3	2	15.2	4.62	31.0	86	62.5	272	151	25
4530	Bozeman MT	06WA-57	2	45.8	98	72	74.1	1.5	1	15.7	4.31	28.0	133	48.3	338	129	26
4531	Bozeman MT	08MT-10	2	43.8	97.7	71	73.5	1.8	1	16.2	5.24	33.3	141	67.0	369	191	38
4532		HARRINGTON MALT CHECK		39.8	97.6	75	81.7	1.7	1	11.1	4.75	42.9	120	88.1	85	193	49
4533	Bozeman MT	09AB-37	2	51.3	99.5	80	76.8	1.3	1	14.1	4.45	32.1	164	60.2	359	163	33
4534	Bozeman MT	07WA-03	2	49.4	98.8	76	78.6	1.8	1	14.2	5.48	40.0	170	64.1	182	227	47
4535	Bozeman MT	08N2-12	2	47.0	99.4	76	75.2	n.d.	3	13.9	3.75	27.3	126	51.1	256	120	24
4536	Bozeman MT	08AB-17	2	44.7	97.5	69	75.3	1.4	1	15.5	4.37	29.1	176	59.3	441	139	29
4537	Bozeman MT	08WA-94	2	43.6	98.4	73	74.0	1.4	1	15.6	4.08	26.8	158	58.7	281	135	29
4538	Bozeman MT	MT910189	2	43.0	97.2	64	76.8	2.5	1	15.9	6.23	39.5	114	90.5	175	260	28
4539	Bozeman MT	06N2-06	2	43.7	98.7	68	76.8	1.4	1	13.6	4.32	31.8	195	67.8	173	138	29
4540	Bozeman MT	07BA-96	2	44.8	96.6	69	78.7	2.0	1	12.9	5.42	43.6	110	93.6	450	234	54
4541	Bozeman MT	08MT-95	2	49.4	99.4	81	79.6	2.7	1	13.0	5.54	44.1	103	90.1	132	235	55
4542	Bozeman MT	06WA-57	2	45.5	97.5	68	72.7	1.7	2	15.3	4.02	27.2	124	51.1	668	135	28
4543	Bozeman MT	08MT-10	2	46.8	99.1	75	76.4	1.8	1	14.5	4.66	33.7	106	77.2	553	189	33
4544	Bozeman MT	06N2-36	2	46.3	99.1	74	77.6	2.4	1	13.9	5.21	38.4	156	85.9	347	197	38
4545	Bozeman MT	07N2-61	2	43.6	97.6	65	76.5	1.8	1	13.7	4.07	31.3	132	54.5	390	137	29
4546	Bozeman MT	PI568246	2	47.2	95.8	67	78.7	3.1	2	14.0	5.67	41.7	154	88.5	55	249	49
4547	Bozeman MT	06BA-81	2	44.0	97.1	69	77.7	2.4	2	14.2	5.36	39.1	152	117.3	161	237	37
4548	Bozeman MT	09WA-15	2	47.9	98.4	76	77.9	1.8	1	14.0	5.09	38.6	152	94.0	127	205	41
4549	Bozeman MT	08BA-22	2	43.1	97.6	70	77.8	2.5	1	15.2	5.59	38.9	202	119.8	235	208	38
4550	Bozeman MT	MT090183	2	45.1	97.9	63	75.5	2.0	2	14.6	4.88	34.1	171	81.8	132	171	35
4551	Bozeman MT	09MT-94	2	43.8	98.5	67	77.8	2.2	1	14.9	5.25	35.7	188	104.6	199	211	38
4552	Bozeman MT	09N2-36	2	40.3	97.6	66	75.8	1.9	1	15.0	4.29	28.8	122	58.5	129	149	31
4553	Bozeman MT	07WA-29	2	47.1	99	78	76.9	1.9	1	14.6	5.56	38.7	187	80.7	121	209	41
4554	Bozeman MT	08MT-74	2	44.3	97.2	69	75.2	n.d.	3	14.1	4.01	29.5	129	59.4	381	126	27
4555	Bozeman MT	09N2-02	2	43.2	97.9	74	77.3	1.8	1	15.0	5.22	36.1	163	96.4	316	207	38
4556	Bozeman MT	08MT-44	2	50.5	99.2	77	78.3	2.0	1	12.9	5.28	42.5	111	95.3	256	222	54
4557	Bozeman MT	08MT-36	2	45.2	99.3	77	76.5	2.1	2	13.6	4.32	33.8	117	58.2	353	153	25

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4558	Bozeman MT	07BA-51	2	45.6	97.3	60	77.5	1.2	1	17.1	3.78	22.4	94	42.3	2789	111	16
4559	Bozeman MT	09AB-62	2	45.9	98.6	79	76.8	1.3	1	13.4	3.75	28.5	131	42.1	575	129	28
4560	Bozeman MT	08BA-87	2	45.5	97.4	72	79.1	2.6	1	14.4	5.75	41.2	158	107.8	239	237	43
4561		HARRINGTON MALT CHECK		40.0	96.8	75	80.8	1.5	1	11.2	4.68	43.8	130	96.2	77	204	55
4562	Bozeman MT	MT090183	2	44.6	98.72	74	77.2	1.6	1	13.0	4.32	34.2	174	62.6	168	159	34
4563	Bozeman MT	09MT-94	2	43.2	95.43	74	76.4	3.0	1	16.3	6.69	42.3	146	98.6	436	302	36
4564	Bozeman MT	09N2-36	2	47.0	98.42	79	78.6	2.3	1	13.5	5.59	41.6	146	88.8	114	215	50
4565	Bozeman MT	07WA-29	2	43.0	97.97	70	78.5	2.1	1	12.3	5.08	42.2	115	92.1	198	213	54
4566	Bozeman MT	08MT-74	2	45.6	98.42	72	75.9	1.7	2	13.7	3.56	27.0	114	49.1	474	116	19
4567	Bozeman MT	09N2-02	2	47.2	99.07	77	79.3	2.3	1	12.3	5.25	44.0	136	79.1	356	212	57
4568	Bozeman MT	08MT-44	2	45.4	98.95	65	73.1	n.d.	3	15.2	4.04	27.9	109	55.7	618	127	24
4569	Bozeman MT	08MT-36	2	43.0	97.06	68	73.3	1.2	1	15.5	3.83	26.0	121	54.3	673	122	26
4570	Bozeman MT	07BA-51	2	45.7	97.99	72	73.5	1.5	1	16.8	4.42	27.4	148	70.4	474	153	33
4571	Bozeman MT	09AB-62	2	49.3	98.25	75	74.7	n.d.	3	14.7	3.57	24.8	103	51.9	662	104	21
4572	Bozeman MT	08BA-87	2	43.7	97.73	73	76.2	1.6	1	14.2	4.57	32.7	150	59.5	270	161	33
4573	Bozeman MT	08WA-78	2	44.8	98.75	66	75.3	1.3	1	14.4	3.89	27.7	144	61.3	533	133	26
4574	Bozeman MT	08BA-14	2	48.9	97.75	74	76.5	1.9	1	14.6	5.22	36.9	182	102.3	198	190	38
4575	Bozeman MT	09WA-29	2	42.2	97.81	81	75.8	1.8	1	15.3	5.25	36.2	151	80.1	182	192	38
4576	Bozeman MT	07N2-25	2	48.3	99.18	75	77.6	2.5	1	12.9	5.55	43.0	112	103.1	484	231	50
4577	Bozeman MT	06WA-93	2	46.1	97.5	84	76.0	2.3	2	13.3	4.71	37.1	107	65.0	504	178	34
4578	Bozeman MT	SK 76333	2	44.7	98.82	74	77.1	1.7	1	13.9	4.66	35.6	108	64.3	230	153	30
4579	Bozeman MT	09N2-18	2	44.0	94.43	52	79.6	1.9	1	16.3	4.94	30.5	123	75.3	1161	159	40
4580	Bozeman MT	PI643354	2	45.2	96.25	80	78.4	2.1	1	14.0	5.45	40.7	116	90.8	315	220	44
4581	Bozeman MT	09AB-42	2	38.3	85.1	32	79.8	1.4	1	17.3	4.62	27.6	97	82.3	385	145	28
4582	Bozeman MT	08MT-17	2	43.0	97.04	78	74.7	1.8	1	15.6	5.21	34.8	204	76.7	466	189	36
4583	Bozeman MT	07BA-64	2	42.5	96.65	72	77.5	1.8	1	14.3	5.51	39.6	174	109.2	251	212	38
4584	Bozeman MT	09MT-75	2	43.1	97.26	72	74.8	n.d.	3	13.8	4.14	32.2	96	60.6	373	136	20
4585	Bozeman MT	06MT-67	2	42.4	94.39	77	77.9	1.8	1	14.3	5.35	37.6	188	100.5	211	208	38
4586	Bozeman MT	09N2-69	2	40.5	97.63	72	77.1	2.4	1	14.7	5.38	37.5	183	105.3	65	208	44
4587	Bozeman MT	09MT-55	2	44.8	97.6	78	74.1	1.3	1	16.0	4.07	26.6	108	52.0	308	121	26
4588	Bozeman MT	06MT-40	2	48.4	98.8	81	77.0	2.5	2	12.8	4.85	38.7	107	54.1	442	194	44
4589	Bozeman MT	07N2-89	2	37.7	87.6	59	76.7	1.6	1	17.8	5.03	28.6	85	46.9	3127	158	16
4590		HARRINGTON MALT CHECK		40.4	96.4	75	81.6	1.8	1	11.4	4.80	45.3	125	95.0	92	202	55
4591	Bozeman MT	06WA-38	2	41.9	98.1	68	77.2	1.8	1	15.3	4.72	30.9	162	71.3	176	168	32
4592	Bozeman MT	06MT-29	2	46.2	99.1	68	75.0	1.9	1	15.6	4.63	30.4	139	55.0	247	162	33
4593	Bozeman MT	06MT-31	2	39.5	94.1	46	80.1	n.d.	3	16.0	4.21	26.8	120	44.2	625	129	25
4594	Bozeman MT	06WA-29	2	44.6	98	68	77.8	1.9	1	15.3	5.52	37.3	227	110.9	134	182	39
4595	Bozeman MT	06WA-77	2	43.2	97.7	74	75.4	1.8	1	15.2	4.39	29.2	142	50.4	566	133	29
4596	Bozeman MT	06N2-16	2	44.4	99.4	71	77.0	1.4	1	14.6	4.77	33.8	167	82.9	386	169	33
4597	Bozeman MT	PI568246	2	46.7	99	72	74.7	n.d.	3	14.8	4.07	28.0	132	54.1	346	112	27
4598	Bozeman MT	SK 76333	2	43.9	99.2	72	79.2	2.7	1	15.3	6.39	42.5	166	106.9	69	253	47
4599	Bozeman MT	07WA-23	2	45.3	98.2	68	77.4	2.1	1	14.4	5.28	37.8	136	100.1	338	193	38
4600	Bozeman MT	09BA-10	2	42.3	98.6	67	77.9	1.8	1	15.6	5.41	36.5	199	100.5	200	195	38
4601	Bozeman MT	09N2-49	2	44.6	98.2	67	76.7	1.8	1	15.6	5.31	34.8	186	63.8	169	176	33
4602	Bozeman MT	PI643354	2	46.9	99.2	74	78.1	2.0	1	12.9	4.49	35.1	117	54.0	330	148	44
4603	Bozeman MT	08BA-02	2	45.1	98.3	64	77.7	2.4	1	15.3	5.81	38.1	142	102.5	478	228	34
4604	Bozeman MT	09BA-03	2	47.8	97.3	66	78.5	2.3	1	15.3	5.79	39.6	147	101.4	284	214	38
4605	Bozeman MT	09WA-52	2	41.7	96.5	66	76.9	1.7	1	14.8	4.59	31.1	216	74.4	297	135	32
4606	Bozeman MT	06N2-70	2	42.6	99	68	77.8	1.7	1	15.4	5.84	39.9	213	95.0	386	200	34

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
4607	Bozeman MT	07N2-77	2	49.8	98.7	75	78.4	2.0	1	13.0	5.39	41.7	88	71.1	775	193	45
4608	Bozeman MT	06MT-49	2	44.7	98.3	73	78.2	2.0	1	15.7	5.67	37.4	130	103.3	220	199	38
4609	Bozeman MT	MT910189	2	45.5	96.8	81	79.0	2.2	1	14.3	5.57	39.8	156	97.9	423	208	42
4610	Bozeman MT	08BA-82	2	44.1	96.4	70	77.8	2.0	1	15.6	5.76	37.4	202	97.0	204	214	34
4611	Bozeman MT	08N2-66	2	44.7	97.5	80	77.2	1.6	1	14.8	4.75	32.7	144	77.3	475	171	33
4612	Bozeman MT	08BA-30	2	43.5	96.9	66	78.9	2.4	1	15.0	6.13	42.5	128	86.6	149	250	43
4613	Bozeman MT	09AB-94	2	42.1	97.4	76	74.8	1.5	2	14.9	3.96	27.0	117	43.9	621	113	19
4614	Bozeman MT	08BA-13	2	42.4	98.9	65	77.3	2.0	1	15.2	5.24	35.6	193	96.3	166	186	36
4615	Bozeman MT	08WA-46	2	47.2	98.9	76	77.4	1.9	1	15.0	5.28	35.6	118	87.7	148	188	36
4616	Bozeman MT	09AB-48	2	47.0	99.7	80	74.9	1.9	2	15.8	4.52	29.1	164	63.3	622	148	32
4617	Bozeman MT	06N2-91	2	46.8	99.7	78	80.4	1.9	1	13.6	6.03	45.3	147	90.3	86	234	50
4618	Bozeman MT	06WA-53	2	42.7	96.9	72	75.1	1.4	1	14.8	4.04	28.3	131	68.3	503	123	29
4619	Bozeman MT	06WA-63	2	43.7	98	65	73.7	n.d.	3	14.9	4.23	28.7	147	54.9	535	130	27
4620		HARRINGTON MALT CHECK		40.1	96	75	81.3	1.7	1	11.6	4.84	45.0	130	98.7	90	191	61
4621	Bozeman MT	MT090183	2	43.5	98	72	77.4	1.4	1	12.6	4.20	33.7	197	71.3	222	134	39
4622	Bozeman MT	08WA-44	2	43.9	94.3	83	75.9	1.4	1	13.9	4.22	31.1	133	65.4	520	138	29
4623	Bozeman MT	09N2-55	2	47.0	98.5	78	77.6	2.1	1	14.6	5.83	40.7	200	108.5	129	220	42
4624	Bozeman MT	06MT-82	2	43.9	98.1	72	78.2	2.1	1	15.1	5.71	39.6	162	114.9	264	219	38
4625	Bozeman MT	06AB-24	2	41.8	98.9	67	77.2	1.8	1	14.6	5.04	35.2	154	96.1	324	189	35
4626	Bozeman MT	08MT-15	2	45.1	98.1	64	76.5	1.5	1	15.8	4.91	32.5	186	63.5	259	174	33
4627	Bozeman MT	07WA-21	2	40.1	98.8	78	77.0	1.8	1	14.5	5.91	41.3	193	91.7	158	211	38
4628	Bozeman MT	08N2-01	2	34.4	83.4	76	70.8	2.3	2	15.2	3.80	25.8	130	47.3	874	122	12
4629	Bozeman MT	08AB-45	2	46.2	96.4	68	76.2	1.5	1	14.7	4.59	31.5	137	65.2	510	154	33
4630	Bozeman MT	PI568246	2	44.1	96.6	67	76.6	n.d.	3	14.8	4.02	28.0	127	53.3	426	118	27
4631	Bozeman MT	08AB-20	2	44.8	97.2	72	78.9	1.8	1	14.9	5.79	39.6	180	106.6	99	217	45
4632	Bozeman MT	08WA-30	2	41.4	97.2	71	76.7	1.7	1	15.0	4.80	33.9	102	84.2	180	166	29
4633	Bozeman MT	SK 76333	2	41.7	96.4	74	77.1	1.8	1	15.3	5.27	36.2	170	98.5	371	197	37
4634	Bozeman MT	07MT-17	2	38.9	95.6	66	75.4	1.5	1	14.1	4.25	30.5	141	67.3	198	134	26
4635	Bozeman MT	07N2-02	2	45.5	98.3	71	74.4	n.d.	3	15.6	4.92	31.5	133	54.2	477	166	31
4636	Bozeman MT	06MT-69	2	43.3	96.5	65	76.0	1.9	1	15.1	5.21	36.8	162	103.0	433	200	38
4637	Bozeman MT	07BA-52	2	45.1	98.2	68	76.9	2.2	1	15.2	5.83	40.2	148	104.5	171	237	39
4638	Bozeman MT	09WA-55	2	45.5	96.8	63	73.1	n.d.	3	15.7	4.15	28.1	145	71.1	487	135	27
4639	Bozeman MT	07WA-64	2	43.8	98.3	70	72.3	1.5	1	17.3	4.52	26.2	142	65.2	345	155	33
4640	Bozeman MT	06BA-63	2	45.4	99.2	79	79.2	2.3	1	13.8	5.65	41.7	152	114.2	65	231	50
4641	Bozeman MT	08WA-86	2	41.4	85.4	46	80.8	2.2	1	16.2	4.81	30.7	159	66.2	620	168	37
4642	Bozeman MT	MT090183	2	43.9	98.2	75	76.8	1.5	1	13.1	4.07	33.1	158	59.6	433	144	34
4643	Bozeman MT	09WA-39	2	43.7	95.8	74	77.2	2.0	1	15.9	5.80	37.9	178	116.5	287	231	34
4644	Bozeman MT	08N2-73	2	54.3	99.7	82	76.0	2.4	2	13.0	4.68	36.9	136	62.1	550	180	40
4645	Bozeman MT	07N2-75	2	50.1	99.4	76	78.6	2.2	2	13.5	5.18	40.2	121	74.9	394	212	46
4646	Bozeman MT	07N2-73	2	47.1	99.3	78	75.3	1.7	1	13.9	4.84	35.9	133	55.2	361	183	36
4647	Bozeman MT	08N2-18	2	52.9	99.5	73	76.0	1.9	1	15.7	5.43	35.3	109	62.6	728	214	35
4648	Bozeman MT	08MT-77	2	43.3	96.7	70	78.0	2.2	1	15.2	5.86	40.5	172	116.7	290	249	43
4649		HARRINGTON MALT CHECK		40.0	96.8	77	81.1	1.7	1	11.6	4.82	41.9	125	93.6	62	209	58
4650	Bozeman MT	09AB-03	2	47.3	98.3	61	74.9	1.5	1	14.3	4.18	30.1	68	46.0	349	149	19
4651	Bozeman MT	09AB-25	2	47.1	99.3	68	78.8	2.3	1	15.5	6.14	42.3	194	90.3	120	252	43
4652	Bozeman MT	08MT-76	2	43.3	98.9	79	76.4	1.5	1	14.7	5.00	35.0	137	78.1	391	211	38
4653	Bozeman MT	07N2-84	2	43.8	98.3	70	75.9	2.0	1	17.2	6.92	42.4	214	119.9	270	278	36
4654	Bozeman MT	09AB-13	2	46.0	98.7	74	72.4	1.6	2	14.9	3.63	25.1	95	45.3	2662	112	15
4655	Bozeman MT	06N2-17	2	53.5	99.4	74	76.8	1.8	1	16.6	5.54	33.7	177	66.6	327	199	38

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrton)	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
4656	Bozeman MT	09BA-95	2	42.7	98	71	78.4	2.4	1	14.9	5.55	38.9	167	118.7	171	218	42
4657	Bozeman MT	06AB-08	2	46.6	97.9	79	77.5	1.8	1	14.9	5.18	35.7	167	86.4	578	209	38
4658	Bozeman MT	PI643354	2	44.9	98.7	78	76.2	2.0	2	13.8	4.11	31.5	120	51.4	359	130	25
4659	Bozeman MT	06AB-41	2	45.0	97.3	73	77.7	1.9	1	14.7	5.29	36.9	192	106.8	160	188	36
4660	Bozeman MT	06N2-66	2	50.0	99.5	72	78.6	2.0	1	13.6	5.32	41.8	142	88.3	365	204	47
4661	Bozeman MT	MT910189	2	47.5	97.6	75	78.4	2.2	1	14.0	5.66	41.3	174	95.1	243	219	43
4662	Bozeman MT	09N2-89	2	42.3	98.9	74	76.6	1.7	1	15.0	5.13	35.1	201	85.5	168	181	36
4663	Bozeman MT	07N2-31	2	38.4	97.8	69	76.2	2.0	1	15.0	5.57	38.3	191	84.7	155	203	35
4664	Bozeman MT	07MT-58	2	46.5	98.6	78	77.0	2.2	1	15.6	5.62	37.9	164	76.0	280	217	34
4665	Bozeman MT	07BA-86	2	43.4	98.2	76	76.2	2.4	1	14.8	5.20	36.7	161	87.7	302	197	38
4666	Bozeman MT	09N2-63	2	45.7	99.4	80	77.8	2.0	1	13.1	5.00	40.3	125	85.3	135	191	51
4667	Bozeman MT	09N2-27	2	49.4	99.6	83	78.3	2.3	1	12.6	4.84	40.5	104	75.3	122	176	52
4668	Bozeman MT	09BA-88	2	44.8	98.5	68	77.8	2.6	1	14.6	5.68	39.8	222	112.4	197	228	34
4669	Bozeman MT	07AB-93	2	45.6	99.3	70	75.9	1.7	1	16.3	4.76	30.9	205	56.0	188	162	33
4670	Bozeman MT	07MT-21	2	41.7	96	65	76.9	2.1	1	15.5	5.32	35.7	113	83.0	210	219	34
4671	Bozeman MT	09MT-78	2	45.9	99.1	72	77.9	1.7	1	12.8	4.23	35.0	184	60.6	198	152	39
4672	Bozeman MT	09WA-50	2	43.3	98.1	72	77.2	2.1	1	14.8	5.29	37.0	168	104.6	297	207	38
4673	Bozeman MT	09WA-04	2	48.3	98.6	74	74.3	n.d.	3	15.6	4.07	26.3	140	54.3	264	120	27
4674	Bozeman MT	09N2-33	2	48.2	99.3	78	76.5	1.8	1	15.6	5.36	34.7	157	64.4	242	197	38
4675	Bozeman MT	08BA-08	2	44.1	97.7	67	76.1	2.0	1	16.6	5.98	37.2	155	100.7	289	221	34
4676	Bozeman MT	09AB-29	2	45.1	97.5	78	79.5	2.0	1	13.2	5.08	40.3	166	97.4	142	209	58
4677		HARRINGTON MALT CHECK		39.9	97.3	75	81.6	1.8	1	11.5	4.79	44.9	127	98.5	77	196	58
4678	Bozeman MT	08MT-68	2	44.9	97.5	69	75.4	1.8	1	15.1	4.17	28.8	147	51.4	476	135	29
4679	Bozeman MT	06MT-78	2	43.1	99	76	77.7	1.6	1	13.0	4.39	35.3	147	67.9	304	147	34
4680	Bozeman MT	MT090183	2	43.7	97.7	78	78.0	1.4	1	12.4	4.21	34.6	177	62.0	191	145	39
4681	Bozeman MT	06MT-12	2	45.1	96.7	72	75.7	1.3	1	14.3	3.84	27.9	136	53.9	591	126	26
4682	Bozeman MT	07MT-50	2	43.1	98.5	78	78.4	2.0	1	15.1	5.95	39.9	155	100.7	132	249	41
4683	Bozeman MT	06MT-46	2	43.4	98.6	73	75.4	n.d.	3	14.3	3.98	29.1	128	54.9	292	124	24
4684	Bozeman MT	09N2-74	2	46.1	98.3	73	76.2	1.6	1	15.8	4.80	31.5	173	80.7	358	167	33
4685	Bozeman MT	09MT-92	2	46.1	99.4	72	77.8	1.3	1	12.1	4.03	33.8	152	57.7	140	131	42
4686	Bozeman MT	07MT-13	2	37.7	91.9	49	80.4	2.7	1	16.0	5.65	35.8	147	84.6	373	197	36
4687	Bozeman MT	MT910189	2	46.8	98	75	78.0	2.5	1	14.9	5.88	40.9	152	89.0	348	237	39
4688	Bozeman MT	08MT-69	2	44.2	94.6	67	76.4	1.8	1	15.5	5.29	36.1	131	70.5	463	225	38
4689	Bozeman MT	06AB-47	2	48.8	98.5	81	76.7	1.4	1	14.0	4.28	30.9	184	54.4	236	146	29
4690	Bozeman MT	09N2-21	2	48.5	99.9	81	78.6	1.8	1	13.5	4.94	38.8	130	75.3	174	204	42
4691	Bozeman MT	08MT-41	2	46.4	98.6	71	74.0	2.5	2	15.6	4.23	27.6	160	57.5	450	136	28
4692	Bozeman MT	09BA-18	2	41.3	98.8	75	77.9	2.3	1	14.2	5.90	42.0	195	117.2	150	226	41
4693	Bozeman MT	07AB-77	2	44.3	98.9	81	75.1	1.3	1	14.9	4.10	27.6	141	46.7	590	141	26
4694	Bozeman MT	06MT-91	2	42.8	96.2	70	77.6	2.3	1	14.3	5.91	41.7	134	102.8	177	229	39
4695	Bozeman MT	09N2-06	2	48.3	99.4	75	78.0	1.7	1	12.9	4.86	38.4	138	66.5	477	189	46
4696	Bozeman MT	06AB-01	2	47.0	99.2	60	74.3	1.5	1	16.2	4.02	25.4	133	37.4	336	128	22
4697	Bozeman MT	SK 76333	2	42.8	98.4	77	78.4	1.8	1	14.8	5.52	39.5	152	89.6	273	223	42
4698	Bozeman MT	08BA-11	2	46.2	98.1	73	77.9	2.2	2	14.4	5.20	36.6	188	83.3	75	198	44
4699	Bozeman MT	09WA-71	2	46.8	98.5	72	73.9	2.3	2	15.8	5.04	32.4	122	68.3	2120	178	32
4700	Bozeman MT	07N2-50	2	45.1	97.7	73	77.7	1.9	1	14.8	5.26	37.2	166	84.6	238	196	38
4701	Bozeman MT	09N2-09	2	47.3	99	81	78.5	1.5	1	12.9	4.73	37.6	139	83.9	291	177	47
4702	Bozeman MT	08WA-40	2	43.4	97.3	73	75.8	1.2	1	13.6	3.68	28.0	124	47.2	414	112	23
4703	Bozeman MT	08BA-23	2	48.0	98.2	71	79.6	2.3	1	14.3	6.59	48.1	174	119.6	61	288	45
4704	Bozeman MT	09N2-39	2	45.0	97.7	79	77.1	2.3	2	12.9	4.09	32.2	130	65.4	537	141	38

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4705	Bozeman MT	PI643354	2	45.5	98.1	73	77.1	1.7	1	13.5	4.40	33.2	138	58.0	344	139	34
4706		HARRINGTON MALT CHECK		40.9	97.2	74	81.7	1.6	1	11.6	4.81	45.4	128	94.9	77	192	61
4707	Bozeman MT	08WA-58	2	42.5	97.5	75	79.2	2.5	1	14.9	6.01	41.0	140	111.7	154	232	40
4708	Bozeman MT	PI568246	2	44.6	98.4	74	73.7	n.d.	3	15.1	3.97	27.4	130	55.4	363	121	24
4709	Bozeman MT	07AB-53	2	43.9	97.1	74	75.3	n.d.	3	14.0	3.82	28.5	136	48.2	445	114	21
4710	Bozeman MT	07AB-66	2	46.7	98.4	74	75.8	1.6	1	14.6	4.30	30.3	181	48.9	417	138	26
4711	Bozeman MT	09WA-43	2	45.6	98.1	71	74.9	1.5	1	15.7	4.54	28.9	155	64.6	508	145	33
4712	Bozeman MT	08WA-27	2	45.8	97.5	73	76.2	1.8	1	15.3	4.99	33.0	152	84.5	314	169	33
4713	Bozeman MT	08BA-25	2	45.7	98.3	66	76.0	2.4	1	16.0	5.91	39.1	83	99.1	264	217	27
4714	Bozeman MT	07N2-13	2	42.2	98.2	68	79.3	1.7	1	14.5	6.01	43.1	189	96.9	340	226	40
4715	Bozeman MT	08WA-28	2	45.7	97.7	69	78.1	1.8	1	15.1	5.47	37.5	129	101.4	283	207	42
4716	Bozeman MT	08AB-06	2	44.2	97.1	74	78.9	2.2	1	14.0	5.58	41.4	184	113.1	258	217	47
4717	Bozeman MT	09WA-16	2	37.6	97.1	73	77.4	3.2	1	14.7	6.99	47.5	174	109.5	207	288	26
4718	Bozeman MT	09AB-60	2	46.5	99.1	79	78.3	2.5	1	15.0	6.22	43.9	191	99.1	199	230	40
4719	Bozeman MT	07MT-55	2	44.1	97.4	71	77.6	1.8	1	14.6	5.36	37.5	115	83.0	441	208	35
4720	Bozeman MT	06N2-96	2	51.8	99.8	72	76.2	2.5	2	15.1	5.13	35.1	153	67.6	575	179	32
4721	Bozeman MT	07WA-38	2	47.3	98	71	75.8	1.4	1	15.4	4.60	30.0	131	51.3	379	151	33
4722	Aberdeen, ID	Harrington	2	40.5	97.1	69	81.7	2.0	1	10.7	5.10	50.4	104	87.9	190	201	49
4723	Aberdeen, ID	Merit	2	41.3	96.2	73	81.9	2.1	1	10.7	4.97	48.7	127	97.2	120	194	55
4724	Aberdeen, ID	ACMetcalfe	2	40.0	97.4	76	82.5	2.0	1	11.0	5.18	49.4	119	98.8	64	212	61
4725	Aberdeen, ID	Conrad	2	40.4	98.2	62	81.0	1.6	1	10.8	4.86	46.3	141	94.5	93	197	64
4726	Aberdeen, ID	M69	2	42.3	97.8	69	82.6	2.1	1	10.1	4.74	50.5	90	86.4	68	205	53
4727	Aberdeen, ID	2Ab09-X06M059-42	2	39.5	96.9	75	81.2	1.9	1	10.4	4.66	46.9	102	87.6	98	185	57
4728	Aberdeen, ID	2Ab09-X06M029-1	2	42.1	96.8	76	82.0	1.9	1	10.6	4.83	47.0	99	79.0	147	193	54
4729	Aberdeen, ID	2Ab09-X06M021-32	2	42.3	98	67	81.1	1.7	1	11.0	4.77	44.7	106	92.1	59	181	65
4730	Aberdeen, ID	2Ab09-X06M011-23	2	41.2	98.2	77	82.3	2.4	1	11.2	5.28	49.7	106	104.2	68	212	61
4731	Aberdeen, ID	2Ab09-X05M001-38	2	44.2	98.6	73	81.2	2.1	1	11.6	5.08	47.7	101	92.6	192	211	55
4732	Aberdeen, ID	2Ab09-X05M003-49	2	42.1	97.2	71	81.6	2.0	1	10.9	5.02	50.3	103	91.0	172	209	50
4733	Aberdeen, ID	2Ab09-X05M003-50	2	41.7	97.7	70	81.0	1.8	1	10.3	4.24	44.3	75	77.0	121	167	41
4734	Aberdeen, ID	2Ab09-X05M023-35	2	39.5	94.7	70	81.2	2.3	1	10.3	4.84	50.7	86	97.6	86	192	50
4735		HARRINGTON MALT CHECK		40.2	96.8	75	81.6	1.9	1	11.2	5.09	48.7	111	96.3	75	201	59
4736	Aberdeen, ID	2Ab09-X05M023-37	2	42.5	98.3	69	81.4	2.6	1	11.2	5.29	51.4	89	109.9	57	222	58
4737	Aberdeen, ID	2Ab09-X05M044-38	2	40.4	97.5	71	81.2	1.9	1	10.9	4.47	44.4	109	100.0	216	181	52
4738	Aberdeen, ID	2Ab09-X05M050-14	2	41.1	96.8	70	81.9	1.8	1	10.0	4.28	47.4	110	81.3	75	168	47
4739	Aberdeen, ID	2Ab09-X05M050-26	2	48.4	98.9	73	82.1	1.9	1	11.3	4.72	42.9	116	90.0	70	184	65
4740	Aberdeen, ID	2Ab09-X05M055-1	2	36.8	95.9	66	81.7	1.9	1	10.6	5.02	48.0	153	102.6	61	190	55
4741	Aberdeen, ID	2Ab09-X06M001-5	2	41.9	99	72	81.1	1.8	1	11.8	4.72	43.2	135	99.8	92	182	67
4742	Aberdeen, ID	2Ab09-X06M006-19	2	40.7	96.2	69	81.5	2.3	2	11.2	5.08	47.7	94	100.7	197	196	49
4743	Aberdeen, ID	2Ab09-X06M031-15	2	41.8	96.9	76	82.3	2.5	2	10.9	5.16	50.3	112	102.1	205	206	48
4744	Aberdeen, ID	2Ab09-X06M035-33	2	42.3	97.7	74	81.9	1.9	1	11.3	4.86	46.5	129	79.5	139	191	66
4745	Aberdeen, ID	2Ab09-X06M048-39	2	40.7	98	65	80.8	1.8	1	12.1	5.01	45.1	154	92.7	116	193	62
4746	Aberdeen, ID	2Ab09-X06M049-3	2	39.5	97.7	65	82.5	1.8	1	10.4	4.96	52.5	89	94.6	114	192	46
4747	Aberdeen, ID	2Ab09-X06M050-23	2	43.0	98.7	56	82.6	2.7	1	11.9	5.76	52.2	115	112.2	120	237	54
4748	Aberdeen, ID	2Ab09-X06M062-11	2	40.2	97.5	71	82.4	2.2	1	11.1	5.42	52.7	113	100.1	71	225	61
4749	Filer, ID	Harrington	2	43.0	99.5	81	82.1	1.6	1	10.5	4.57	47.2	89	81.1	94	179	48
4750	Filer, ID	Merit	2	42.1	98.6	83	82.9	1.7	1	9.5	4.42	50.2	114	93.9	57	166	52
4751	Filer, ID	ACMetcalfe	2	41.6	98.8	85	82.4	1.6	1	9.7	4.62	50.0	109	93.4	43	183	54
4752	Filer, ID	Conrad	2	43.8	99	81	81.6	1.5	1	10.1	4.17	43.2	113	80.3	55	165	53
4753	Filer, ID	M69	2	44.7	98.2	78	82.0	2.0	1	9.9	4.24	47.3	76	82.3	48	150	44

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4754	Filer, ID	2Ab09-X06M059-42	2	43.1	98.5	81	81.3	1.7	1	10.4	4.39	46.4	100	84.0	54	171	49
4755	Filer, ID	2Ab09-X06M029-1	2	44.4	99.7	85	83.0	1.7	1	9.0	3.99	48.6	70	75.4	50	154	41
4756	Filer, ID	2Ab09-X06M021-32	2	42.0	99.3	83	82.2	1.5	1	9.6	4.10	45.4	86	82.4	41	144	49
4757	Filer, ID	2Ab09-X06M011-23	2	43.4	99	88	83.0	2.0	1	10.0	4.53	49.4	89	103.5	47	170	48
4758	Filer, ID	2Ab09-X05M001-38	2	47.1	99.5	83	82.0	1.9	1	10.2	4.61	48.3	84	83.5	60	183	51
4759	Filer, ID	2Ab09-X05M003-49	2	40.4	96.8	81	82.9	1.6	1	9.2	3.96	46.8	86	83.4	65	142	45
4760	Filer, ID	2Ab09-X05M003-50	2	45.4	99	76	81.5	1.6	1	9.6	3.74	43.2	71	72.9	68	130	46
4761	Filer, ID	2Ab09-X05M023-35	2	41.1	98.1	83	82.4	1.7	1	8.9	4.29	51.4	65	103.1	57	177	43
4762	Filer, ID	2Ab09-X05M023-37	2	43.9	98.8	78	82.0	2.5	1	10.1	4.86	51.7	72	106.9	42	200	53
4763	Filer, ID	2Ab09-X05M044-38	2	43.4	98.8	78	81.9	1.6	1	10.4	4.13	44.1	90	77.7	67	156	49
4764		HARRINGTON MALT CHECK		40.4	97.4	75	81.6	1.8	1	11.4	4.86	46.2	111	90.1	68	195	66
4765	Filer, ID	2Ab09-X05M050-14	2	43.0	98.6	83	82.3	1.5	1	9.3	3.88	44.6	97	68.6	51	139	46
4766	Filer, ID	2Ab09-X05M050-26	2	49.4	100	79	82.3	1.6	1	10.3	4.08	43.7	85	72.7	55	148	49
4767	Filer, ID	2Ab09-X05M055-1	2	38.8	98.2	76	82.8	1.6	1	9.8	4.54	51.7	120	85.1	51	175	49
4768	Filer, ID	2Ab09-X06M001-5	2	43.1	100	81	82.1	1.6	1	9.8	4.28	47.6	107	79.0	53	142	48
4769	Filer, ID	2Ab09-X06M006-19	2	43.5	98	79	82.5	2.0	1	9.5	4.57	48.8	78	90.7	88	170	48
4770	Filer, ID	2Ab09-X06M031-15	2	46.3	98	88	82.5	3.0	2	9.6	4.64	50.8	71	81.4	141	168	43
4771	Filer, ID	2Ab09-X06M035-33	2	42.2	97.7	91	82.6	1.5	1	9.7	4.17	44.3	102	70.2	76	156	53
4772	Filer, ID	2Ab09-X06M048-39	2	42.6	98.9	82	81.4	1.7	1	10.7	4.53	46.4	121	77.4	62	168	60
4773	Filer, ID	2Ab09-X06M049-3	2	41.7	98.5	78	82.4	1.6	1	9.5	4.37	50.0	82	86.5	69	173	43
4774	Filer, ID	2Ab09-X06M050-23	2	44.5	98.7	80	82.8	2.4	1	10.3	5.11	51.7	67	96.0	70	192	53
4775	Filer, ID	2Ab09-X06M062-11	2	42.3	98.4	88	83.1	2.2	1	9.7	4.75	54.2	70	89.1	47	207	53
4776	Aberdeen, ID	Harrington	2	41.1	97.6	68	82.3	1.9	1	11.0	4.97	47.6	107	93.1	272	198	54
4777	Aberdeen, ID	Merit	2	40.0	96.9	72	83.0	2.3	1	10.5	4.93	50.1	119	102.1	178	194	47
4778	Aberdeen, ID	ACMetcalfe	2	43.0	97.7	71	82.4	2.1	1	11.7	5.11	47.0	136	99.9	124	210	66
4779	Aberdeen, ID	Conrad	2	41.1	98.4	66	81.1	1.9	1	12.1	5.05	43.8	139	98.6	144	217	65
4780	Aberdeen, ID	M69	2	42.6	96.7	67	82.5	2.0	1	10.4	4.64	46.2	107	90.6	81	177	57
4781	Aberdeen, ID	2Ab09-X06M023-38	2	37.9	96.5	76	82.3	2.0	1	10.9	4.91	47.0	122	99.5	112	187	54
4782	Aberdeen, ID	2Ab09-X06M011-36	2	41.1	96.7	73	83.5	2.3	1	10.8	5.12	49.8	118	117.1	127	192	52
4783	Aberdeen, ID	2Ab09-X06M009-16	2	40.0	96.2	72	82.1	2.0	1	11.5	5.12	48.7	114	102.6	159	215	54
4784	Aberdeen, ID	2Ab09-X05M023-1	2	41.0	98	70	82.0	2.2	1	11.6	5.06	47.2	112	117.9	68	203	61
4785	Aberdeen, ID	2Ab09-X05M023-16	2	40.2	96	71	81.4	2.2	1	11.4	5.09	47.9	148	100.9	75	200	64
4786	Aberdeen, ID	2Ab09-X05M035-54	2	46.1	97.8	69	82.1	2.6	1	11.4	5.26	48.0	121	102.2	266	193	58
4787	Aberdeen, ID	2Ab09-X06M048-29	2	40.5	98.3	74	82.9	1.8	1	11.8	4.59	42.3	156	87.3	153	172	57
4788	Aberdeen, ID	2Ab09-X05M049-25	2	38.4	95.7	77	82.4	1.9	1	10.8	4.71	46.6	109	84.2	145	200	55
4789	Aberdeen, ID	2Ab09-X05M049-49	2	42.8	98	70	82.7	2.0	1	11.1	4.85	46.8	114	82.4	71	198	67
4790	Aberdeen, ID	2Ab09-X05M056-15	2	39.3	97.8	61	83.1	2.2	1	11.9	5.45	49.3	127	102.5	161	218	55
4791	Aberdeen, ID	2Ab09-X06M002-17	2	41.8	96	76	83.4	2.1	1	10.7	4.79	45.5	118	85.5	124	166	52
4792		HARRINGTON MALT CHECK		40.5	96.6	79	81.5	1.7	1	11.6	4.92	46.1	121	101.6	76	207	63
4793	Aberdeen, ID	2Ab09-X06M002-41	2	42.0	96.1	66	82.7	2.2	1	11.2	5.24	49.6	106	87.6	141	233	57
4794	Aberdeen, ID	2Ab09-X06M004-38	2	41.6	96.5	66	82.3	2.2	1	10.1	4.72	51.0	104	114.2	190	206	49
4795	Aberdeen, ID	2Ab09-X06M006-3	2	42.1	97.3	66	81.2	2.2	1	12.1	5.37	45.8	116	104.6	217	200	60
4796	Aberdeen, ID	2Ab09-X06M006-15	2	41.4	96.8	64	82.6	2.3	1	11.2	5.39	49.3	109	99.1	86	223	61
4797	Aberdeen, ID	2Ab09-X06M006-46	2	40.4	96.3	62	82.3	n.d.	3	11.6	5.64	52.9	115	119.7	172	244	48
4798	Aberdeen, ID	2Ab09-X06M022-14	2	45.4	99.1	76	82.0	2.3	1	12.0	5.37	47.8	114	118.8	114	238	58
4799	Aberdeen, ID	2Ab09-X06M031-3	2	41.3	95.3	71	82.2	2.0	1	11.3	4.88	46.7	115	90.7	165	206	59
4800	Aberdeen, ID	2Ab09-X06M031-25	2	42.2	96.9	69	82.4	2.1	1	11.3	5.01	46.8	131	110.9	156	209	63
4801	Aberdeen, ID	2Ab09-X06M035-45	2	42.4	96.3	74	82.7	2.0	1	10.7	4.67	46.5	124	110.5	146	184	59
4802	Aberdeen, ID	2Ab09-X06M061-1	2	44.5	98.3	71	83.4	2.0	1	11.2	4.99	46.4	110	114.3	177	216	60

2011 Crop Year Breeders' Samples

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
4803	Filer, ID	Harrington	2	44.4	98.5	84	81.8	1.8	1	10.5	4.58	45.4	88	92.6	121	190	52
4804	Filer, ID	Merit	2	43.3	97.5	86	82.6	1.6	1	10.3	4.42	46.2	122	108.5	48	179	60
4805	Filer, ID	ACMetcalfe	2	43.1	98.9	81	81.9	1.7	1	10.1	4.20	44.7	105	90.8	62	164	53
4806	Filer, ID	Conrad	2	43.2	98.3	87	82.4	2.0	1	10.1	4.90	49.4	74	92.7	52	214	53
4807	Filer, ID	M69	2	46.8	98.7	82	83.1	1.9	1	9.9	4.45	46.3	91	94.5	84	158	53
4808		HARRINGTON MALT CHECK	2	40.1	96.4	76	81.8	1.7	1	10.8	4.78	45.8	123	106.7	84	206	64
4809	Filer, ID	2Ab09-X06M011-36	2	44.4	98.2	87	83.2	1.9	1	10.5	4.73	48.8	101	113.3	59	190	57
4810	Filer, ID	2Ab09-X06M009-16	2	43.3	97.5	78	81.7	1.6	1	10.3	4.28	44.0	102	96.9	82	169	53
4811	Filer, ID	2Ab09-X05M023-1	2	44.2	98	80	83.1	2.8	1	9.5	4.80	54.8	78	97.0	137	191	49
4812	Filer, ID	2Ab09-X05M023-16	2	43.8	98.7	84	83.2	1.6	1	10.0	4.50	47.3	89	95.3	49	185	51
4813	Filer, ID	2Ab09-X05M035-54	2	42.3	99.3	85	82.7	1.8	1	9.8	4.45	46.7	95	93.5	52	188	56
4814	Filer, ID	2Ab09-X06M048-29	2	44.3	98.4	79	82.7	1.8	1	9.9	4.56	49.3	97	93.4	50	178	48
4815	Filer, ID	2Ab09-X05M049-25	2	41.4	96.53	86	82.7	1.8	1	10.3	4.58	48.7	98	78.1	73	191	52
4816	Filer, ID	2Ab09-X05M049-49	2	43.3	97.8	83	83.2	1.7	1	10.3	4.77	46.3	131	95.5	61	177	60
4817	Filer, ID	2Ab09-X05M056-15	2	46.2	97.9	87	83.9	1.9	1	9.3	4.40	51.5	100	80.9	52	162	48
4818	Filer, ID	2Ab09-X06M002-17	2	44.0	98.2	78	82.7	2.2	1	9.6	4.63	49.9	102	107.5	93	194	57
4819	Filer, ID	2Ab09-X06M002-41	2	42.7	98.8	74	82.8	2.5	1	10.1	5.21	55.8	94	95.8	46	190	53
4820	Filer, ID	2Ab09-X06M004-38	2	41.8	97.3	83	82.4	1.9	1	10.0	4.58	49.8	103	103.5	56	191	56
4821		HARRINGTON MALT CHECK	2	39.4	97.1	77	81.9	1.7	1	11.5	4.89	45.9	125	99.2	100	206	58
4822	Filer, ID	2Ab09-X06M006-3	2	43.9	96.2	76	80.6	1.8	1	11.1	4.89	46.4	115	83.6	91	203	64
4823	Filer, ID	2Ab09-X06M006-15	2	45.2	98.8	77	82.6	2.2	1	11.2	5.30	50.9	119	88.5	56	231	62
4824		HARRINGTON MALT CHECK	2	39.4	96.3	79	81.8	1.8	1	11.3	4.95	46.1	128	103.1	73	207	67
4825	Filer, ID	2Ab09-X06M022-14	2	45.0	96.3	85	81.8	1.8	1	10.9	4.45	44.6	105	77.3	69	173	57
4826	Filer, ID	2Ab09-X06M031-3	2	44.4	98.8	87	82.4	2.5	1	10.1	4.78	51.7	99	73.0	68	187	51
4827	Filer, ID	2Ab09-X06M031-25	2	40.7	97.2	86	82.7	1.8	1	10.0	4.80	52.1	117	93.6	72	197	56
4828	Filer, ID	2Ab09-X06M035-45	2	46.9	98.2	84	82.4	2.2	1	10.7	4.99	50.8	98	97.2	41	207	53
4829		HARRINGTON MALT CHECK	2	39.9	96.7	76	81.8	2.0	1	11.1	4.94	47.3	123	90.4	79	201	62
4830	Aberdeen, ID	Endeavor	2	32.8	88.6	67	81.1	1.9	1	10.9	4.88	48.5	126	98.7	72	198	53
4831	Aberdeen, ID	Charles	2	38.1	97.1	69	81.7	2.0	1	11.7	5.18	48.2	119	91.7	53	223	59
4832	Aberdeen, ID	Maja	6	29.6	81.1	68	80.1	n.d.	3	9.8	3.98	42.6	111	60.8	58	161	41
4833	Aberdeen, ID	04/153/2	2	41.6	95.6	73	79.1	n.d.	3	11.4	4.19	39.2	124	40.2	191	136	37
4834	Aberdeen, ID	2Ab09-X04W015-22	2	40.4	96.7	70	80.4	1.6	1	11.8	4.70	42.8	160	61.6	119	173	57
4835	Aberdeen, ID	2Ab09-X04W015-75	2	41.3	98.7	64	81.6	1.8	1	10.2	4.52	45.6	127	78.8	119	168	55
4836	Aberdeen, ID	2Ab09-X04W016-17	2	38.5	98.5	64	82.1	1.9	1	10.1	4.81	52.0	117	92.1	52	194	54
4837	Aberdeen, ID	2Ab09-X04W016-45	2	36.9	96.4	74	83.7	1.9	1	8.5	4.17	52.7	86	91.2	35	164	39
4838	Aberdeen, ID	2Ab09-X04W018-5	2	39.0	96.7	75	81.7	1.7	1	11.4	4.92	46.3	127	96.9	88	184	65
4839	Aberdeen, ID	2Ab09-X04W018-14	2	36.2	85	68	78.7	1.5	1	11.7	4.25	39.6	94	63.8	118	154	32
4840	Aberdeen, ID	2Ab09-X04W047-10	2	37.5	98.8	60	82.1	1.9	1	10.0	4.53	46.8	113	64.4	44	149	52
4841	Aberdeen, ID	2Ab09-X04W047-136	2	33.5	89.1	65	77.8	1.8	1	13.4	5.13	39.5	161	66.0	186	188	34
4842	Aberdeen, ID	2Ab09-X04W021-37	2	39.5	96.4	62	78.4	1.6	1	13.8	5.16	39.6	178	68.9	159	198	39
4843	Aberdeen, ID	2Ab09-X04W021-79	2	36.8	96.5	68	81.2	1.7	1	9.9	4.38	47.5	121	69.4	82	164	46
4844	Aberdeen, ID	2Ab09-X04W022-33	2	36.8	97.1	68	81.4	1.7	1	9.2	4.09	48.2	66	74.8	176	138	32
4845	Aberdeen, ID	2Ab09-X05W022-78	2	34.4	98.7	77	79.0	1.3	1	12.0	4.11	37.1	114	61.9	302	140	35
4846	Aberdeen, ID	2Ab09-X04W055-1	2	40.7	94.6	63	79.8	2.7	2	10.7	3.58	35.3	94	46.9	253	104	26
4847	Aberdeen, ID	2Ab09-X05W024-38	2	37.1	97.5	70	79.7	1.9	1	11.5	4.86	42.6	107	81.5	135	172	50
4848	Aberdeen, ID	2Ab09-X05W024-158	2	39.8	97.6	73	81.5	1.8	1	9.7	4.32	47.8	109	76.3	76	148	45
4849	Aberdeen, ID	2Ab09-X05W024-183	2	35.6	97.2	76	82.7	1.9	1	8.4	4.20	56.4	78	84.7	36	149	39
4850		HARRINGTON MALT CHECK	2	41.0	95.9	79	82.0	1.6	1	11.4	4.91	46.6	126	100.3	87	192	56
4851	Aberdeen, ID	2Ab09-X05W024-233	2	36.1	97.4	67	82.1	1.9	1	10.1	4.76	51.3	105	95.9	66	164	47

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Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4852	Aberdeen, ID	2Ab09-X05W040-125	2	32.9	92.6	68	81.2	1.7	1	11.0	4.61	45.6	127	93.9	100	163	60
4853	Aberdeen, ID	2Ab09-X05W051-73	2	34.9	92.5	71	81.8	2.1	1	10.2	4.88	51.0	81	102.6	90	175	43
4854	Aberdeen, ID	2Ab09-X05W051-89	2	34.5	92	68	81.9	2.1	1	11.1	5.24	49.7	117	101.1	56	199	57
4855	Aberdeen, ID	2Ab09-X05W044-23	2	37.3	94.2	66	80.7	1.8	1	9.7	3.69	39.9	87	53.1	265	106	26
4856	Aberdeen, ID	2Ab09-X05W044-126	2	34.5	96	66	80.6	1.8	1	9.0	3.82	45.7	95	57.6	179	118	31
4857	Aberdeen, ID	2Ab09-X05W044-135	2	36.4	92.5	66	79.8	1.8	1	10.7	3.95	40.0	72	55.2	372	118	26
4858	Aberdeen, ID	2Ab09-X05W074-3	2	38.2	97.2	72	82.4	2.5	1	9.9	4.97	54.2	104	83.6	84	180	49
4859	Aberdeen, ID	2Ab09-X05W040-12	2	34.5	97.2	74	83.3	1.9	1	9.2	4.66	55.5	91	100.0	39	187	46
4860	Aberdeen, ID	2Ab09-X04W054-13	2	35.4	93.8	69	82.0	1.7	1	10.2	4.77	51.0	121	75.3	72	174	50
4861	Aberdeen, ID	2Ab09-X05W060-34	2	40.7	94.6	71	81.2	2.2	1	10.7	4.87	47.5	102	95.4	110	184	50
4862	Aberdeen, ID	2Ab09-X05W071-23	2	36.5	96.8	74	82.4	2.2	1	10.0	5.05	55.6	115	101.1	44	196	52
4863	Filer, ID	6Ab08-X03W001-11	6	26.6	60.3	81	79.3	1.8	1	11.5	4.90	44.8	161	79.6	146	194	45
4864	Filer, ID	6Ab08-X03W002-8	6	28.8	72.7	70	78.5	2.8	2	10.0	4.21	46.0	122	59.7	150	144	34
4865	Filer, ID	6Ab08-X03W011-13	6	32.6	90.9	68	77.1	n.d.	3	10.6	3.93	38.6	132	54.1	164	138	29
4866	Filer, ID	6Ab08-X03W011-6	6	23.8	64.3	75	76.1	n.d.	3	11.1	4.51	41.9	132	55.6	177	166	16
4867	Filer, ID	6Ab08-X03W012-1	6	32.0	86.1	76	80.9	n.d.	3	9.9	4.13	44.9	110	57.2	92	140	44
4868	Filer, ID	6Ab08-X03W012-18	6	29.3	84.7	77	80.3	2.4	1	9.8	4.53	47.6	103	75.5	57	164	38
4869	Filer, ID	6Ab08-X03W012-5	6	33.8	92.8	76	81.1	n.d.	3	9.7	4.14	46.1	94	66.2	100	152	44
4870	Filer, ID	6Ab08-X03W012-6	6	33.1	89.2	71	76.7	n.d.	3	10.8	4.40	44.0	97	60.7	52	154	34
4871	Filer, ID	6Ab08-X03W012-8	6	32.7	87.7	68	78.0	n.d.	3	9.9	4.28	44.1	101	61.4	52	154	38
4872	Filer, ID	6Ab08-X03W020-15	6	31.0	67.5	70	75.3	2.9	2	12.8	5.03	39.7	164	69.0	389	187	32
4873	Filer, ID	6Ab08-X03W028-10	6	33.5	84.2	87	78.8	n.d.	3	10.1	4.25	44.3	110	46.0	166	162	34
4874	Filer, ID	6Ab08-X03W028-19	6	28.1	64.3	78	77.6	n.d.	3	12.1	4.66	40.6	138	45.8	245	184	20
4875	Filer, ID	6Ab08-X03W028-2	6	29.9	75.8	71	78.1	2.9	2	11.3	4.26	39.4	126	44.1	179	164	23
4876	Filer, ID	6Ab08-X03W028-5	6	29.1	70.4	75	79.1	n.d.	3	8.2	3.70	51.2	67	45.2	137	140	24
4877	Filer, ID	6Ab08-X03W028-8	6	32.3	88.2	87	78.9	n.d.	3	8.7	3.69	45.4	82	48.3	100	127	38
4878	Filer, ID	6Ab08-X03W037-1	6	27.6	69.8	74	76.8	n.d.	3	9.8	3.91	41.1	67	48.5	232	133	9
4879		HARRINGTON MALT CHECK		41.1	95.9	77	81.5	1.8	1	11.3	4.90	47.2	127	95.0	101	192	51
4880	Filer, ID	6Ab08-X03W037-7	2	30.2	79.4	66	78.1	n.d.	3	9.3	3.68	43.2	68	41.7	182	113	18
4881	Filer, ID	6Ab08-X03W038-1	2	31.7	82.1	76	79.0	n.d.	3	8.4	3.57	43.6	87	49.8	117	119	21
4882	Filer, ID	6Ab08-X03W038-6	2	31.8	87.9	68	78.7	1.7	1	9.7	4.00	45.6	109	47.7	83	135	34
4883	Filer, ID	6Ab08-X03W039-22	2	32.1	82.7	77	77.8	1.7	1	9.9	3.97	42.1	86	44.1	120	137	19
4884	Filer, ID	6Ab08-X03W039-7	2	32.4	83.7	78	77.4	n.d.	3	9.7	3.53	40.2	85	43.9	330	116	14
4885	Filer, ID	6Ab08-X03W040-20	2	31.6	94.6	75	78.3	n.d.	3	9.9	4.04	42.9	116	54.2	103	149	36
4886	Filer, ID	6Ab08-X03W040-28	2	30.7	82.6	63	78.8	2.4	2	8.9	3.37	40.0	93	47.6	101	122	22
4887	Filer, ID	6Ab08-X03W040-33	2	30.2	64	74	77.0	n.d.	3	9.4	3.46	38.4	102	54.9	281	117	16
4888	Filer, ID	6Ab08-X03W040-7	2	30.7	84.8	62	79.0	n.d.	3	9.1	3.78	44.7	83	51.8	140	132	24
4889	Filer, ID	6Ab08-X03W045-1	2	32.9	81.9	77	76.6	n.d.	3	9.5	3.84	43.9	108	58.5	143	141	24
4890	Filer, ID	6Ab08-X03W045-21	2	28.8	74.4	77	79.1	n.d.	3	9.1	4.06	47.8	121	60.1	83	159	33
4891	Filer, ID	6Ab08-X03W047-10	2	31.0	76	80	78.4	n.d.	3	8.9	3.97	47.2	89	56.1	175	143	16
4892	Filer, ID	6Ab08-X03W047-12	2	35.7	95.6	80	81.9	n.d.	3	8.6	4.29	55.6	83	68.9	88	158	37
4893	Filer, ID	6Ab08-X03W047-14	2	34.6	93	78	80.1	n.d.	3	7.8	3.39	48.9	61	52.7	127	116	27
4894	Filer, ID	6Ab08-X03W047-27	2	30.6	83.7	87	81.6	n.d.	3	7.2	3.53	57.2	56	56.3	80	132	29
4895	Filer, ID	6Ab08-X03W047-28	2	32.9	88	84	81.1	n.d.	3	7.6	3.78	57.2	85	72.1	83	146	32
4896	Aberdeen, ID	Maja	6	33.4	90	80	80.2	n.d.	3	9.9	4.17	45.2	104	61.1	66	174	44
4897	Aberdeen, ID	02Ab2472		36.9	95.7	91	79.2	2.8	2	10.8	4.76	47.3	90	79.7	285	189	33
4898	Aberdeen, ID	6Ab09-X04W057-73	6	41.6	93.9	74	75.3	3.0	2	10.8	3.52	34.3	78	42.1	693	110	20
4899	Aberdeen, ID	6Ab09-X05W015-135	6	29.2	77.8	89	79.8	n.d.	3	9.9	4.06	44.5	108	63.7	66	166	39
4900	Aberdeen, ID	6Ab09-X04W009-74	6	30.0	80.5	87	81.3	n.d.	3	9.4	4.00	47.4	89	67.0	98	159	36

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agrtron)	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
4901	Aberdeen, ID	6Ab09-X05W015-1	6	30.4	76.7	87	80.4	n.d.	3	9.4	3.91	45.9	87	56.6	147	156	37
4902	Aberdeen, ID	6Ab09-X05W015-77	6	29.5	74.1	85	81.2	n.d.	3	8.7	3.84	46.4	93	59.0	81	149	39
4903	Aberdeen, ID	6Ab09-X05W015-55	6	29.8	82.6	83	80.5	n.d.	3	11.0	4.65	46.5	110	63.3	116	188	41
4904	Aberdeen, ID	6Ab09-X05W026-153	6	35.9	77.3	84	76.9	n.d.	3	9.2	4.29	49.5	78	51.7	233	160	20
4905	Aberdeen, ID	6Ab09-X05W026-1	6	30.9	79.9	80	77.4	n.d.	3	9.5	3.96	45.5	65	50.2	308	151	24
4906	Aberdeen, ID	6Ab09-X04W029-39	6	27.9	63.6	83	80.9	2.7	2	9.3	3.86	44.9	81	63.3	92	137	35
4907	Aberdeen, ID	6Ab09-X04W029-14	6	30.0	72.8	83	80.5	2.2	1	11.0	4.44	43.3	113	74.2	118	180	38
4908		LACEY MALT CHECK		33.5	88.2	54	78.8	3.4	2	12.5	5.38	45.3	134	75.9	133	211	59
4909	Aberdeen, ID	6Ab09-X05W014-83	6	30.9	90	86	79.4	n.d.	3	11.3	4.27	41.6	132	69.8	63	174	42
4910	Aberdeen, ID	6Ab09-X04W008-39	6	36.0	97.5	81	79.6	2.9	2	9.6	4.35	47.3	101	62.0	118	175	40
4911	Aberdeen, ID	6Ab09-X04W029-65	6	29.6	77.8	87	79.8	n.d.	3	10.8	4.48	43.9	115	68.5	75	177	39
4912	Aberdeen, ID	Charles	2	38.1	93.2	66	80.4	2.1	1	12.6	5.18	44.3	123	87.6	122	212	60
4913	Aberdeen, ID	Endeavor	2	32.8	84.7	72	79.3	1.8	1	11.7	4.78	42.2	131	97.4	72	182	52
4914	Aberdeen, ID	4Ab08-X03W025-7	2	28.6	73.9	73	80.8	2.0	1	11.7	5.10	47.4	157	96.7	112	219	48
4915	Aberdeen, ID	2Ab08-X05W061-282	2	35.2	89.6	72	80.0	2.0	1	13.2	5.24	40.4	110	92.1	223	214	45
4916	Aberdeen, ID	4Ab08-X03W044-11	2	32.5	79.6	78	77.0	3.3	2	11.0	3.79	36.8	87	54.1	162	135	18
4917	Aberdeen, ID	2Ab08-X05W061-42	2	37.9	95.9	71	82.5	2.2	1	9.8	4.57	49.2	84	84.7	74	191	48
4918	Aberdeen, ID	2Ab08-X05W061-218	2	44.0	96.9	73	80.3	2.3	1	12.8	5.49	46.5	117	87.8	69	216	64
4919	Aberdeen, ID	2Ab08-X05W061-216	2	35.7	86.9	72	78.3	2.0	1	14.5	5.33	39.1	138	87.5	194	197	35
4920	Aberdeen, ID	2Ab08-X05W061-208	2	34.9	96.4	72	82.1	1.8	1	9.5	4.40	48.9	97	92.3	68	156	43
4921	Aberdeen, ID	2Ab08-X05W061-203	2	35.7	92.9	69	81.3	1.8	1	10.7	4.57	45.8	111	80.3	146	165	48
4922	Aberdeen, ID	4Ab08-X03W044-9	2	30.7	59.5	72	78.4	2.1	1	10.6	4.93	49.9	86	85.2	244	188	28
4923	Aberdeen, ID	2Ab08-X05W061-199	2	38.2	93.6	77	80.1	2.0	1	10.9	4.77	45.0	103	80.9	126	178	47
4924	Filer, ID	Charles	2	46.3	95.9	87	80.0	2.1	1	11.6	4.88	44.4	111	85.5	315	185	55
4925	Filer, ID	Endeavor	2	43.7	96.3	73	78.5	2.3	1	13.3	5.04	39.2	99	88.2	280	178	35
4926	Filer, ID	4Ab08-X03W025-7	2	32.8	84.4	86	80.7	2.1	1	11.5	5.19	49.1	163	105.1	88	222	52
4927	Filer, ID	2Ab08-X05W061-282	2	42.5	91.9	84	79.8	2.1	1	11.9	5.15	45.0	114	100.1	158	197	57
4928	Filer, ID	4Ab08-X03W044-11	2	35.5	85.9	78	76.6	n.d.	3	10.3	3.55	36.3	100	52.4	261	114	15
4929	Filer, ID	2Ab08-X05W061-42	2	45.2	95.9	81	80.6	2.2	1	12.0	4.88	43.2	121	80.0	102	182	61
4930	Filer, ID	2Ab08-X05W061-218	2	49.9	98.4	84	81.2	2.7	1	11.1	5.32	48.4	115	89.3	61	210	62
4931	Filer, ID	2Ab08-X05W061-216	2	47.8	98.1	80	80.8	2.3	1	10.8	5.15	49.3	107	87.7	101	195	50
4932		HARRINGTON MALT CHECK		40.8	96.2	77	81.5	1.7	1	11.6	4.93	46.2	131	106.7	90	195	61
4933	Filer, ID	2Ab08-X05W061-346	2	46.9	97.2	77	80.9	1.9	1	10.6	4.71	45.9	108	82.7	174	177	47
4934	Filer, ID	4Ab08-X03W044-9	2	35.7	79.5	77	79.1	1.9	1	10.2	4.61	46.6	76	79.6	400	177	30
4935	Filer, ID	2Ab08-X05W061-199	2	44.9	96.7	79	80.6	1.9	1	10.8	4.90	47.0	102	76.5	144	190	48
4936	Aberdeen, ID	6Ab08-X03W047-8	6	36.7	98.2	80	82.1	n.d.	3	8.4	4.17	55.5	71	75.8	57	156	39
4937	Aberdeen, ID	MAJA	6	28.2	77.7	74	80.9	n.d.	3	9.0	3.75	45.9	81	60.0	47	148	39
4938	Aberdeen, ID	93Ab669	6	28.7	75.9	76	79.0	n.d.	3	10.6	4.58	46.0	123	72.2	110	187	43
4939	Aberdeen, ID	Charles	2	38.9	96.5	69	81.7	2.0	1	10.8	5.20	48.6	116	97.0	51	215	49
4940	Aberdeen, ID	Endeavor	2	33.2	83.9	71	78.9	2.0	1	13.1	5.38	43.6	137	102.3	115	208	45
4941	Aberdeen, ID	Charles	2	37.7	95.5	68	80.5	2.1	1	12.8	5.50	45.2	137	99.5	72	228	62
4942	Aberdeen, ID	02Ab339	2	36.3	92.3	78	81.0	1.9	1	10.9	4.38	43.3	113	85.2	76	151	48
4943	Aberdeen, ID	02Ab348	2	36.5	97.2	67	82.4	2.1	1	9.4	4.83	52.6	109	106.4	43	162	47
4944	Aberdeen, ID	02Ab431	2	37.0	95	70	82.3	2.2	1	10.1	4.60	46.9	106	103.1	66	174	52
4945	Aberdeen, ID	02Ab597	2	38.0	91	71	81.3	2.1	1	11.2	4.81	46.7	112	101.0	74	180	57
4946	Aberdeen, ID	02Ab669	2	36.4	97	70	83.3	2.0	1	8.4	4.12	55.0	77	94.5	52	142	39
4947	Aberdeen, ID	02Ab671	2	35.9	95.5	70	81.5	1.8	1	11.4	4.92	46.5	129	99.8	68	179	60
4948	Aberdeen, ID	02Ab710	2	36.0	94.3	77	81.9	1.9	1	10.4	4.85	50.5	99	105.2	85	180	46
4949	Aberdeen, ID	02Ab712	2	36.7	90.4	73	81.8	2.0	1	10.6	4.83	45.7	104	98.4	61	182	55

2011 Crop Year Breeders' Samples

Lab No.	Location	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agron)	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
4950	Aberdeen, ID	02Ab948	2	39.9	95.9	65	80.8	2.8	1	12.0	5.48	48.9	113	81.9	57	215	56
4951	Aberdeen, ID	02Ab1340	2	38.5	97.4	60	80.3	2.4	1	11.2	4.72	43.3	112	68.9	73	175	56
4952	Aberdeen, ID	02Ab170	2	37.4	91.4	56	81.3	1.9	1	10.9	4.82	44.2	122	89.0	130	177	51
4953	Aberdeen, ID	02Ab641	2	36.3	96.7	71	82.5	2.1	1	8.7	4.48	53.3	84	87.1	60	170	43
4954	Aberdeen, ID	02Ab645	2	34.4	88.2	73	81.3	1.8	1	10.8	4.80	48.2	89	91.2	76	182	44
4955	Aberdeen, ID	04/153/2	2	40.5	95.8	74	79.4	n.d.	3	11.1	4.13	39.0	124	44.4	170	124	40
4956	Aberdeen, ID	05/141/27	2	43.5	96.6	78	78.9	2.5	2	11.5	3.55	32.6	143	39.3	112	108	35
4957	Aberdeen, ID	04/124/5	2	38.9	95.4	76	76.9	1.9	2	13.2	4.24	33.3	151	46.2	132	145	30
4958	Aberdeen, ID	04/028/36	2	43.2	96.8	70	79.9	2.8	2	12.5	5.07	42.1	164	52.4	66	183	64
4959	Filer, ID	Endeavor	2	43.1	94.7	72	78.1	2.3	1	13.3	5.59	44.2	114	100.2	123	213	52
4960	Filer, ID	Charles	2	47.1	96.7	75	78.7	2.3	1	13.0	5.42	43.5	129	87.9	157	210	57
4961		HARRINGTON MALT CHECK		40.0	96.5	76	80.9	1.9	1	11.1	4.98	46.0	129	102.0	83	184	53
4962	Filer, ID	02Ab339	2	49.9	98.5	78	79.8	1.8	1	11.5	4.73	42.6	100	90.6	168	188	51
4963	Filer, ID	02Ab348	2	48.5	98.7	77	80.0	2.1	1	12.2	5.73	49.5	125	103.0	78	227	58
4964	Filer, ID	02Ab431	2	49.2	98.3	76	79.5	2.5	1	12.0	5.56	48.1	102	92.1	162	222	52
4965	Filer, ID	02Ab597	2	46.9	98.5	77	80.5	2.0	1	10.8	5.09	47.2	103	99.4	142	204	50
4966	Filer, ID	02Ab669	2	48.0	98.2	83	80.2	2.0	1	11.4	5.16	47.8	112	95.0	52	212	59
4967	Filer, ID	02Ab671	2	48.5	99.2	74	80.0	2.1	1	11.8	5.39	48.3	124	94.3	69	224	62
4968	Filer, ID	02Ab710	2	44.1	97.5	89	81.0	1.8	1	10.9	5.06	47.3	98	103.4	125	197	46
4969	Filer, ID	02Ab712	2	50.4	98.6	83	81.0	2.2	1	11.2	5.61	52.5	105	93.9	88	244	58
4970	Filer, ID	02Ab948	2	50.9	97.8	71	79.6	2.3	1	12.7	5.55	46.2	109	74.6	170	230	57
4971	Filer, ID	02Ab1340	2	47.0	97.9	66	77.8	2.3	1	13.9	5.43	40.7	126	66.5	131	212	46
4972	Filer, ID	02Ab170	2	46.9	96.5	63	78.6	2.3	1	13.2	5.18	41.1	117	84.6	323	192	49
4973	Filer, ID	02Ab641	2	46.4	97.8	82	80.6	2.1	1	10.8	5.16	48.0	102	93.2	90	196	54
4974	Filer, ID	02Ab645	2	47.4	97.7	86	80.5	2.1	1	11.5	5.26	49.1	93	92.6	219	208	48
4975	Filer, ID	04/153/2	2	49.1	99	83	77.3	n.d.	3	11.6	4.30	37.4	126	43.4	198	148	34
4976	Filer, ID	05/141/27	2	39.7	96.5	79	81.0	1.9	1	11.5	5.12	46.2	118	92.7	85	222	64
4977	Filer, ID	04/124/5	2	46.7	95.6	82	76.2	2.2	2	14.2	4.98	35.5	133	50.4	371	202	37
4978	Filer, ID	04/028/36	2	40.7	72.9	76	81.1	1.8	1	11.4	5.11	47.7	118	97.3	96	210	56
4979	Aberdeen, ID	93Ab669	6	28.6	71.6	75	78.5	n.d.	3	10.6	4.55	44.6	130	72.0	213	175	30
4980	Aberdeen, ID	94Ab1777	6	28.8	85.1	76	81.7	n.d.	3	9.0	4.37	54.7	67	58.0	164	155	32
4981	Aberdeen, ID	Schuyler	6	30.8	81.7	74	76.5	n.d.	3	10.1	4.12	44.7	88	44.5	278	127	23
4982	Aberdeen, ID	00Ab278	6	23.4	39	73	79.6	n.d.	3	10.2	4.30	46.3	100	67.8	49	181	34
4983	Aberdeen, ID	00Ab280	6	24.8	48.4	69	80.0	n.d.	3	9.8	4.35	49.3	101	65.3	64	183	29
4984	Aberdeen, ID	00Ab281	6	25.4	56.7	72	79.9	n.d.	3	10.1	4.32	44.8	97	70.8	51	181	34
4985	Aberdeen, ID	02Ab2471	6	33.6	91.5	67	78.5	n.d.	3	9.3	4.40	51.3	75	54.7	75	173	36
4986	Aberdeen, ID	02Ab2701	6	29.0	87.5	80	78.9	n.d.	3	8.7	4.31	53.8	70	50.9	171	189	26
4987	Aberdeen, ID	02Ab2732	6	29.1	87.2	88	79.8	n.d.	3	7.0	3.59	54.5	49	50.4	139	153	32
4988	Aberdeen, ID	02Ab2739	6	31.1	88.7	83	80.6	2.2	1	8.2	4.05	54.4	68	56.1	72	165	40
4989	Aberdeen, ID	02Ab132	6	29.3	83.8	80	79.1	2.1	1	8.2	3.74	48.4	76	57.5	123	163	34
4990		HARRINGTON MALT CHECK		41.0	96.5	77	81.6	1.7	1	10.9	5.11	49.1	116	91.9	83	217	49
4991	Aberdeen, ID	02Ab2604	6	29.3	86.2	76	78.5	n.d.	3	9.1	4.01	49.0	68	53.2	140	156	29
4992	Aberdeen, ID	02Ab2707	6	30.3	82.4	75	79.0	2.4	2	8.2	3.72	47.9	59	57.5	79	148	39
4993	Aberdeen, ID	OR76	6	35.5	94.8	81	79.5	2.5	2	8.1	4.27	58.9	72	67.8	103	166	40
4994	Aberdeen, ID	Maja	6	28.9	80.2	73	80.6	n.d.	3	9.9	3.80	40.6	82	58.7	43	155	36
4995	Aberdeen, ID	03/220/158	6	35.7	91.5	86	79.6	1.9	1	9.5	3.86	45.1	120	57.3	58	149	46
4996	Aberdeen, ID	04/232/76	6	31.6	88.7	71	80.6	2.0	1	9.7	4.07	45.4	90	50.9	134	157	41
4997	Filer, ID	93Ab669	6	34.3	83.7	89	78.6	n.d.	3	9.5	4.33	47.9	96	59.6	257	174	29
4998	Filer, ID	94Ab1777	6	31.2	81.8	88	79.0	n.d.	3	10.2	4.36	47.0	80	46.2	706	163	33

2011 Crop Year Breeders' Samples

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
4999	Filer, ID	Schuyler	6	31.8	75.5	78	75.4	n.d.	3	10.4	3.81	38.2	87	44.4	683	129	16
5533	Filer, ID	00Ab278	6	27.8	69.1	86	80.9	n.d.	3	10.0	4.59	49.5	111	70.9	83	194	32
5534	Filer, ID	00Ab280	6	28.1	72	86	80.9	n.d.	3	9.8	4.39	48.4	105	68.0	108	184	31
5535	Filer, ID	00Ab281	6	30.1	78.2	83	80.2	n.d.	3	10.4	4.42	45.7	112	67.8	126	188	37
5536	Filer, ID	02Ab2471	6	33.5	83.1	78	77.2	n.d.	3	10.1	4.48	47.1	105	54.9	240	188	22
5537	Filer, ID	02Ab2701	6	35.1	90.1	85	77.5	n.d.	3	10.6	4.53	47.0	95	55.2	386	198	30
5538	Filer, ID	02Ab2732	6	35.5	93.6	87	79.3	n.d.	3	8.3	3.98	50.4	69	48.8	521	163	29
5539	Filer, ID	02Ab2739	6	32.5	73.4	90	79.0	2.6	2	10.0	4.71	50.1	99	57.8	153	203	39
5540	Filer, ID	02Ab132	6	37.8	97.1	68	77.9	n.d.	3	11.0	4.37	41.1	72	47.2	687	187	23
5541	Filer, ID	02Ab2604	6	33.3	86.9	82	78.0	n.d.	3	9.7	4.36	47.7	80	50.3	302	165	26
5542	Filer, ID	02Ab2707	6	32.8	76	83	77.4	n.d.	3	9.6	4.70	53.9	86	56.6	200	219	25
5543	Filer, ID	OR76	6	40.1	96.2	87	79.1	n.d.	3	11.2	4.90	45.7	79	69.8	220	191	43
5544	Filer, ID	Maja	6	36.7	93.8	76	79.2	n.d.	3	11.3	4.86	44.9	129	63.8	164	209	52
5545	Filer, ID	03/220/158	6	38.7	94.6	83	79.7	2.0	1	11.0	4.46	41.6	159	62.1	215	196	44
5546	Filer, ID	04/232/76	6	34.4	88.4	79	78.3	2.6	2	11.5	4.56	40.9	135	48.4	307	195	39