

Barley Project Malting Quality Data 2011



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MQ Table 1. OBELT Entry list for 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Type	Use	Parentage
1	OR76	6	Malting	Stab47/Kab51
2	OR77	6	Feed	Strider/Orca
3	OR813	6	Malting	Stab47/Kab51
4	OR815	6	Malting	CC99B
5	OR816	6	Malting	CC99B
6	OR818	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
7	Maja	6	Malting	Strider/88Ab536
8	OR91	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
9	OR92	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
10	OR97	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
11	OR98	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
12	OR910	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
13	OR915	6	Malting	Kab51/Excel//Maja/3/Stab7/Maja
14	OR101	6	Malting	StabBC 42-3-9/3/Kab51/Legacy//Kab51
15	OR102	6	Malting	StabBC 42-4-2/Stab 7-2
16	OR103	6	Malting	StabBC 42-4-2/3/Kab51/Legacy//Kab51
17	OR104	6	Malting	StabBC 50-7-3/Maja
18	OR105	6	Malting	StabBC 50-7-3/Maja
19	OR106	6	Malting	StabBC 50-7-3/Maja
20	OR107	6	Malting	J2-16-9//Maja/K47-5
21	OR108	6	Malting	J2-16-9/Maja
22	OR109	6	Malting	J2-16-13/Maja
23	OR110	6	Malting	StabBC 42-4-2/Stab 7-7
24	OR111	6	Malting	StabBC 42-4-2/3/Kab51/Legacy//Kab51
25	OR112	6	Malting	StabBC 50-7-3/Maja
26	OR113	6	Malting	StabBC 50-7-3/Maja
27	OR114	6	Malting	Strider/3/Maja/Legacy//Maja
28	Strider	6	Malting	1860164/Steptoe
29	Eight-Twelve	6	Malting	72Ab83/Wintermalt
30	Charles	2	Malting	Bearpaw/81Ab1702

MQ Table 2. OBELT for Corvallis, OR in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	36.5	87.5	53	79.3	3.7	2	10.2	4.22	45.1	91	62.1	365	149	38
2	OR77	6	33.9	84.2	59	78.2	3.3	2	8.6	3.44	42.1	67	44.8	623	109	32
3	OR813	6	34.7	86.5	52	79.3	3.3	2	10.2	4.39	45.0	101	65.6	400	174	38
4	OR815	6	33.0	76.9	59	79.3	1.9	1	10.1	4.10	41.5	84	53.5	449	150	32
5	OR816	6	31.8	81.2	62	80.5	3.4	2	8.6	4.03	48.7	87	49.6	318	160	29
6	OR818	6	28.9	78.4	42	80.4	2.4	1	9.4	4.92	55.7	121	91.8	152	212	44
7	Maja	6	26.0	*55	53	78.5	2.1	1	10.7	4.66	47.8	128	67.9	112	205	37
8	OR91	6	30.3	84.8	40	81.1	2.2	1	9.2	4.77	56.9	110	92.3	137	201	41
9	OR92	6	29.9	84.1	42	80.3	2.3	1	9.5	4.84	55.5	120	88.7	160	203	46
10	OR97	6	31.6	85.4	43	80.7	2.2	1	9.1	4.71	54.4	108	86.6	163	197	39
11	OR98	6	31.3	86.3	42	80.8	2.3	1	9.7	4.75	54.0	109	85.3	212	210	38
12	OR910	6	31.9	87.7	40	80.5	2.4	1	9.9	4.87	52.3	110	84.7	192	213	41
13	OR915	6	32.6	81.8	48	79.1	3.3	2	9.3	4.05	46.9	90	58.0	216	166	38
14	OR101	6	31.9	86.9	57	80.6	4.2	2	8.6	4.28	52.4	103	53.4	194	155	32
15	OR102	6	40.4	91.6	50	76.5	3.8	2	9.5	3.58	40.1	68	41.2	730	111	20
16	OR103	6	37.0	93.2	48	80.1	3.0	2	9.1	3.66	44.5	77	49.6	339	132	35
17	OR104	6	33.2	92.0	43	80.6	2.9	2	8.6	3.80	45.4	92	56.8	145	132	41
18	OR105	6	32.5	89.2	46	79.7	3.1	2	8.4	3.62	47.3	69	54.5	133	135	36
19	OR106	6	33.4	91.4	50	79.0	3.4	2	8.9	3.58	45.5	80	48.8	395	127	35
20	OR107	6	34.7	87.5	46	79.8	2.8	2	8.1	3.34	45.9	72	54.3	145	123	41
21	OR108	6	30.5	76.2	55	79.8	2.4	2	7.7	3.38	45.3	69	48.4	257	121	32
22	OR109	6	28.3	80.0	51	79.9	2.3	2	9.3	4.33	47.4	89	67.9	187	180	30
23	OR110	6	33.7	85.8	60	79.5	3.0	2	7.8	3.60	48.5	74	43.9	243	121	30
24	OR111	6	37.5	86.8	57	78.1	2.3	2	8.4	3.77	47.1	65	42.0	519	136	24
25	OR112	6	33.7	85.8	50	79.6	3.2	2	8.6	3.74	45.5	68	52.0	250	138	38
26	OR113	6	28.8	70.6	49	78.4	2.8	2	8.7	3.71	47.6	78	51.0	251	135	22
27	OR114	6	33.6	90.3	46	79.5	n.d.	3	8.1	3.81	48.2	69	50.2	352	143	32
30	Charles	2	36.5	95.2	40	81.9	2.0	1	9.8	4.87	57.7	104	82.3	284	183	43

MQ Table 3. Organic OBELT for Corvallis, OR in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	36.6	95.7	44	80.4	2.1	1	9.9	4.19	45.0	96	66.1	287	174	39
2	OR77	6	39.1	95.6	59	80.5	1.7	1	8.9	3.47	41.7	79	48.4	538	123	31
3	OR813	6	38.0	95.1	45	80.7	1.8	1	10.8	4.55	44.6	107	68.7	316	185	39
4	OR815	6	35.0	88.1	59	80.6	1.7	1	10.3	4.37	44.2	94	62.3	347	168	39
5	OR816	6	32.3	85.5	57	81.2	2.1	1	9.5	4.17	45.9	104	57.7	271	174	39
6	OR818	6	33.6	94.2	38	81.1	1.9	1	10.4	4.81	48.3	126	97.3	204	222	46
7	Maja	6	29.6	82.8	48	80.0	1.8	1	10.3	4.58	46.4	137	75.2	102	217	52
8	OR91	6	32.8	95.7	39	81.0	2.0	1	10.3	4.71	49.8	114	89.3	213	220	39
9	OR92	6	32.9	94.4	39	81.2	2.0	1	9.8	4.75	49.4	111	91.0	227	220	39
10	OR97	6	31.5	92.4	38	81.3	2.3	1	9.6	4.64	51.9	114	89.1	169	205	41
11	OR98	6	34.4	96.2	36	81.2	2.1	1	9.9	4.72	52.6	130	96.6	208	223	43
12	OR910	6	32.7	93.6	39	80.7	2.2	1	10.5	4.90	47.0	146	100.9	230	233	54
13	OR915	6	31.2	85.1	46	79.3	2.3	1	9.9	4.22	43.9	116	76.0	272	189	38
14	OR101	6	33.5	92.9	50	81.5	2.9	2	9.5	4.28	48.4	122	64.9	175	174	37
15	OR102	6	37.1	91.5	50	78.0	2.4	2	9.5	3.74	41.2	81	54.6	596	143	27
16	OR103	6	36.0	92.3	39	79.2	2.2	1	10.6	4.15	42.5	98	65.6	423	164	39
17	OR104	6	34.2	93.9	46	81.0	2.0	1	9.7	4.16	46.9	107	69.8	191	172	39
18	OR105	6	34.8	92.8	44	80.3	2.2	1	9.7	3.88	41.8	90	67.3	215	154	34
19	OR106	6	35.8	96.4	43	79.6	2.6	2	9.6	3.88	42.4	106	62.1	360	159	38
20	OR107	6	36.4	94.4	39	81.2	2.2	1	8.7	3.71	43.7	85	71.0	156	154	42
21	OR108	6	36.1	90.4	55	80.9	2.1	1	8.9	3.60	41.6	88	60.1	291	135	34
22	OR109	6	29.8	85.4	46	80.6	2.4	1	10.0	4.54	45.7	100	79.5	139	190	39
23	OR110	6	31.1	81.7	54	79.5	2.5	1	8.4	3.60	45.0	87	58.5	257	132	38
24	OR111	6	37.2	91.5	52	79.8	2.1	1	8.8	3.89	46.7	72	56.0	542	156	39
25	OR112	6	33.8	90.8	44	80.6	2.2	1	9.0	3.95	47.1	78	70.3	230	168	34
26	OR113	6	31.0	87.7	50	80.2	2.2	1	9.3	3.90	45.2	86	66.8	229	159	38
27	OR114	6	33.7	94.0	42	80.5	2.2	1	9.2	4.16	47.2	87	67.8	356	177	34
30	Charles	2	35.4	93.5	41	81.8	2.1	1	10.7	5.16	51.2	113	95.1	299	224	45

MQ Table 4. OBELT for Hermiston, OR in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	37.9	96.9	80	80.2	2.9	2	10.5	4.03	41.0	108	49.7	385	146	30
2	OR77	6	39.3	93.1	84	79.8	2.0	1	9.4	3.27	37.3	90	38.6	530	102	27
3	OR813	6	37.5	95.3	75	81.2	1.7	1	11.2	3.82	36.7	86	42.7	373	124	31
4	OR815	6	37.9	92.7	80	80.3	2.7	2	10.9	4.48	41.3	123	59.0	256	166	37
5	OR816	6	34.3	89.6	86	80.9	n.d.	3	10.5	4.02	40.2	103	46.3	294	140	29
6	OR818	6	31.2	86.5	65	82.3	1.8	1	10.4	4.71	48.5	127	80.6	181	203	42
7	Maja	6	34.2	93.4	74	81.7	n.d.	3	10.7	4.50	44.9	115	53.1	75	187	44
8	OR91	6	30.5	84.6	57	81.6	2.3	1	10.3	4.55	48.1	116	77.4	199	193	36
9	OR92	6	31.0	86.2	60	81.5	2.1	1	9.8	4.50	48.9	118	77.8	190	185	33
10	OR97	6	30.1	81.9	49	81.4	2.0	1	9.5	4.49	49.9	126	83.3	176	188	37
11	OR98	6	32.0	87.7	55	81.4	2.3	1	10.2	4.55	47.3	122	81.3	208	191	40
12	OR910	6	31.0	86.6	63	82.1	1.7	1	10.1	4.64	50.0	136	86.8	160	201	45
13	OR915	6	35.1	91.5	77	81.5	n.d.	3	10.0	4.07	44.9	111	68.4	91	158	44
14	OR101	6	32.5	89.1	81	82.8	n.d.	3	8.9	3.96	47.4	129	50.5	66	134	43
15	OR102	6	41.8	96.0	73	78.9	n.d.	3	10.1	3.52	36.6	102	44.6	515	120	26
16	OR103	6	42.7	97.5	82	82.0	2.9	2	9.8	3.85	43.1	88	49.0	489	139	35
17	OR104	6	37.0	95.4	68	81.8	2.5	2	9.5	3.87	44.2	105	52.3	144	139	41
18	OR105	6	38.7	96.0	73	81.7	2.7	2	9.2	3.61	41.9	91	51.5	173	128	33
19	OR106	6	37.7	95.9	72	80.4	n.d.	3	10.0	3.75	40.9	104	49.1	317	127	29
20	OR107	6	37.9	94.3	71	82.1	1.9	1	8.9	3.62	45.7	87	54.3	127	134	42
21	OR108	6	36.5	88.3	77	80.4	1.5	1	10.5	3.54	35.7	103	47.9	368	117	31
22	OR109	6	34.0	92.3	65	82.2	1.8	1	10.3	4.55	48.7	117	70.3	83	183	41
23	OR110	6	36.1	92.4	84	80.6	1.5	1	9.1	3.47	39.9	108	42.7	264	109	31
24	OR111	6	43.4	96.3	79	80.3	1.5	1	9.0	3.59	41.0	89	39.3	676	124	27
25	OR112	6	39.8	97.5	72	81.8	2.8	2	9.2	3.77	42.4	82	47.3	209	137	35
26	OR113	6	35.9	95.1	74	81.7	1.8	1	10.0	4.07	43.5	100	57.1	120	151	46
27	OR114	6	37.7	96.9	65	81.1	n.d.	3	9.0	3.58	40.1	85	46.9	371	129	29
30	Charles	2	44.6	98.1	66	83.5	1.6	1	10.9	5.09	49.3	129	84.4	204	211	53

MQ Table 5. OBELT for Pendleton, OR in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	35.3	93.4	74	79.0	n.d.	3	10.1	3.84	38.8	88	53.1	200	126	29
2	OR77	6	34.2	88.6	73	77.5	1.9	2	11.1	3.69	33.7	94	40.4	546	105	20
3	OR813	6	35.1	96.0	72	80.4	n.d.	3	10.3	4.17	41.0	88	57.6	103	136	39
4	OR815	6	34.6	91.8	81	82.2	1.7	1	9.1	3.82	43.1	93	51.6	55	116	46
5	OR816	6	31.0	87.0	79	81.2	n.d.	3	9.3	3.91	44.4	99	47.4	85	130	40
6	OR818	6	31.0	89.2	62	80.8	2.0	1	9.5	4.82	52.3	110	79.1	63	186	43
7	Maja	6	27.7	*75.9	73	80.8	n.d.	3	8.7	3.84	45.3	109	44.7	49	135	34
8	OR91	6	30.3	88.9	62	81.4	1.9	1	9.1	4.64	53.1	105	79.2	64	173	40
9	OR92	6	31.2	93.1	60	82.0	2.0	1	8.9	4.39	52.2	95	79.6	52	164	40
10	OR97	6	28.2	*73.7	68	79.2	1.8	1	9.9	4.68	49.4	120	78.3	75	167	36
11	OR98	6	31.4	90.9	61	81.1	1.9	1	9.7	4.55	47.0	108	76.1	105	165	40
12	OR910	6	32.4	94.8	57	82.2	1.9	1	8.8	4.42	53.2	87	79.4	57	169	41
13	OR915	6	32.9	94.8	74	81.4	n.d.	3	8.0	3.63	49.1	69	53.4	53	127	39
14	OR101	6	31.6	93.8	78	81.9	n.d.	3	8.0	3.79	52.0	100	46.4	42	121	35
15	OR102	6	36.7	93.5	75	79.1	n.d.	3	8.3	3.36	44.8	75	41.9	174	101	34
16	OR103	6	37.2	96.6	75	81.3	n.d.	3	8.0	3.49	47.3	76	46.4	140	112	32
17	OR104	6	32.3	94.4	69	81.4	n.d.	3	8.1	3.50	44.7	90	46.9	67	113	41
18	OR105	6	33.4	97.3	64	81.1	n.d.	3	7.8	3.36	44.7	74	44.2	58	104	41
19	OR106	6	33.8	97.0	68	79.5	n.d.	3	8.6	3.37	39.7	90	43.9	162	103	32
20	OR107	6	34.2	95.5	63	81.3	2.4	1	7.8	3.43	48.5	70	53.8	40	116	41
21	OR108	6	33.1	89.6	76	80.8	1.8	1	8.0	3.35	44.4	81	46.8	91	104	43
22	OR109	6	30.5	87.2	62	82.1	n.d.	3	8.3	3.85	47.3	89	56.7	43	142	38
23	OR110	6	34.2	96.4	78	80.8	2.2	2	7.5	3.31	46.5	86	40.2	60	91	42
24	OR111	6	40.4	97.8	74	80.8	1.6	1	7.6	3.41	48.5	72	45.2	91	108	38
25	OR112	6	34.5	96.6	67	81.1	n.d.	3	7.9	3.41	48.3	76	49.4	51	112	36
26	OR113	6	31.8	91.3	72	81.0	n.d.	3	8.1	3.45	46.0	83	49.5	45	110	40
27	OR114	6	33.7	95.4	63	80.4	n.d.	3	8.2	3.43	43.5	70	43.7	156	111	37
30	Charles	2	36.9	92.0	67	81.7	2.0	1	10.5	4.66	47.7	113	88.9	132	177	43

MQ Table 6. OBELT selections for Aberdeen and Rupert, ID in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Name	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
OR85	6	30.4	55.9	38	78.7	2.1	1	14.6	3.60	25.6	110	46.5	593	114	17
OR818	6	30.2	79.8	45	78.5	2.9	1	12.7	5.01	41.1	149	84.6	264	204	48
Maja	6	29.2	69.9	59	77.3	3.0	2	13.4	4.33	34.0	188	61.8	138	170	30
OR91	6	31.0	80.8	48	76.5	2.7	1	13.9	5.12	37.5	173	76.0	260	204	38
OR92	6	31.5	85.1	50	77.1	2.7	1	13.8	5.10	37.5	178	82.6	282	202	38
Charles	2	39.0	91.1	51	78.0	1.9	1	14.7	5.35	36.7	162	84.2	372	211	35
OR85	6	32.3	65.9	51	82.9	n.d.	3	11.1	3.48	32.7	89	42.4	655	108	24
OR818	6	36.3	96.5	48	80.3	2.8	1	11.8	5.34	45.8	118	85.6	193	227	56
Maja	6	35.9	96.7	65	79.7	n.d.	3	11.3	4.73	42.5	140	71.2	147	200	47
OR91	6	34.0	94.2	50	79.4	3.3	2	11.5	5.47	48.0	107	80.7	207	249	45
OR92	6	37.0	98.1	49	79.8	3.2	2	12.1	5.68	47.7	115	89.4	224	250	50
Charles	2	37.1	90.9	62	79.8	1.9	1	12.6	5.37	43.7	131	80.3	434	217	55

MQ Table 7. OBADV Entry list for 2010-11

(2010-11 Oregon Winter Barley Advanced Yield Trial)

Entry	Name	Type	Use	Parentage
1	OBADV11-1	6	Malting	NB3437f/OR71
2	OBADV11-2	6	Malting	NB3437f/OR71
3	OBADV11-3	6	Malting	NB3437f/OR71
4	OBADV11-4	6	Malting	NB3437f/OR71
5	OBADV11-5	6	Malting	NB3437f/OR71
6	OBADV11-6	6	Malting	NB3437f/OR72
7	OBADV11-7	6	Malting	NB3437f/OR72
8	OBADV11-8	6	Malting	NB3437f/OR72
9	OBADV11-9	6	Malting	NB3437f/OR72
10	OBADV11-10	6	Malting	NB3437f/OR76
11	OBADV11-11	6	Malting	NB3437f/OR76
12	OBADV11-12	6	Malting	NB3437f/OR76
13	OBADV11-13	6	Malting	NB3437f/OR76
14	OBADV11-14	6	Malting	NB3437f/OR71
15	OBADV11-15	6	Malting	NB3437f/OR71
16	OBADV11-16	6	Malting	NB3437f/OR71
17	OBADV11-17	6	Malting	NB3437f/OR71
18	OBADV11-18	6	Malting	NB3437f/OR71
19	OBADV11-19	6	Malting	NB3437f/OR71
20	OBADV11-20	6	Malting	NB3437f/OR71
21	OBADV11-21	6	Malting	NB3437f/OR71
22	OBADV11-22	6	Malting	NB3437f/OR71
23	OBADV11-23	6	Malting	NB3437f/OR71
24	OBADV11-24	6	Malting	NB3437f/OR71
25	OBADV11-25	6	Malting	NB3437f/OR71
26	OBADV11-26	6	Malting	NB3437f/OR71
27	OBADV11-27	6	Malting	NB3437f/OR71
28	OBADV11-28	6	Malting	NB3437f/OR71
29	OBADV11-29	6	Malting	NB3437f/OR71
30	OBADV11-30	6	Malting	NB3437f/OR71
31	OBADV11-31	6	Malting	NB3437f/OR71
32	OBADV11-32	6	Malting	NB3437f/OR71
33	OR76	6	Malting	Stab47/Kab51
34	Maja	6	Malting	Strider/88Ab536
35	NB3437-UNL2010	6	Feed	NB3437-UNL2010
36	Alba	6	Feed	Composite Cross

MQ Table 8. OBADV for Corvallis, OR in 2010-11

(2010-11 Oregon Winter Barley Advanced Yield Trial)

Entry	Name	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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	OBADV-11 22	6	32.4	82.0	42	76.2	3.5	2	10.0	4.11	43.4	79	40.8	213	136	25
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	OBADV-11 32	6	35.6	91.0	44	73.9	n.d.	3	11.1	3.18	29.6	81	26.8	1146	88	15
33	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
34	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
35	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
36	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

MQ Table 9. OBADV for Hermiston, OR in 2010-11

(2010-11 Oregon Winter Barley Advanced Yield Trial)

Entry Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1 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
2 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
3 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
4 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
5 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 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
14 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
15 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
16 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
17 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
18 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
19 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
20 OBADV-11 20	6	36.1	94.0	80	78.5	3.2	2	10.8	4.09	39.5	120	34.1	383	141	27
21 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
22 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
23 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
24 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
25 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
26 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
27 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
28 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
29 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
30 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
31 OBADV-11 31	6	30.8	88.0	83	77.9	n.d.	3	9.3	3.36	37.1	76	24.0	405	90	18
32 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
33 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
34 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
35 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
36 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

MQ Table 10. OBADV for Pendleton, OR in 2010-11

(2010-11 Oregon Winter Barley Advanced Yield Trial)

Entry	Name	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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	OBADV-11 9	6	36.0	93.9	71	77.0	2.7	3	10.8	3.39	33.1	89	30.6	684	106	15
10	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
11	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
12	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
13	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
14	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
15	OBADV-11 15	6	37.0	96.0	69	80.4	1.7	1	9.7	3.45	36.8	83	39.7	520	112	27
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	OBADV-11 25	6	35.9	90.0	70	80.0	n.d.	3	9.5	3.51	40.2	79	37.3	366	111	25
26	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
27	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
28	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
29	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
30	OBADV-11 30	6	31.4	79.7	61	*71.7	2.7	2	*13.7	3.63	28.5	88	26.1	789	114	13
31	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
32	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
33	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
34	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
35	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
36	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

MQ Table 11. OBPYT Entry list for 2010-11

(2010-11 Oregon Winter Barley Preliminary Yield Trial)

Entry	Name	Type	Use	Parentage
1	PO71DH-1	6	Malting	P713/OR71
2	PO71DH-4	6	Malting	P713/OR71
3	PO71DH-8	6	Malting	P713/OR71
4	PO71DH-10	6	Malting	P713/OR71
5	PO71DH-18	6	Malting	P713/OR71
6	PO71DH-19	6	Malting	P713/OR71
7	PO71DH-22	6	Malting	P713/OR71
8	PO71DH-25	6	Malting	P713/OR71
9	PO71DH-27	6	Malting	P713/OR71
10	PO71DH-29	6	Malting	P713/OR71
11	PO71DH-31	6	Malting	P713/OR71
12	PO71DH-32	6	Malting	P713/OR71
13	PO71DH-36	6	Malting	P713/OR71
14	PO71DH-38	6	Malting	P713/OR71
15	PO71DH-41	6	Malting	P713/OR71
16	PO71DH-44	6	Malting	P713/OR71
17	PO71DH-54	6	Malting	P713/OR71
18	PO71DH-55	6	Malting	P713/OR71
19	PO71DH-56	6	Malting	P713/OR71
20	PO71DH-70	6	Malting	P713/OR71
21	PO71DH-84	6	Malting	P713/OR71
22	PO71DH-87	6	Malting	P713/OR71
23	PO71DH-94	6	Malting	P713/OR71
24	PO71DH-100	6	Malting	P713/OR71
25	PO71DH-102	6	Malting	P713/OR71
26	PO71DH-104	6	Malting	P713/OR71
27	PO71DH-106	6	Malting	P713/OR71
28	PO71DH-111	6	Malting	P713/OR71
29	PO71DH-114	6	Malting	P713/OR71
30	PO71DH-126	6	Malting	P713/OR71
31	PO71DH-127	6	Malting	P713/OR71
32	PO71DH-128	6	Malting	P713/OR71
33	PO71DH-131	6	Malting	P713/OR71
34	OR71	6	Malting	OR71
35	NB3437-UNL2010	6	Feed	NB3437-UNL2010
36	Maja Hyslop 5-9	6	Malting	Maja Hyslop 5-9

MQ Table 12. OBPYT and OBPYT-2 for Corvallis, OR in 2010-11

(2010-11 Oregon Barley Preliminary Yield Trial)

Entry	Name	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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	OBPYT 10	6	32.4	88.0	45	80.1	3.3	2	8.3	4.02	48.7	75	68.4	47	153	40
11	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
12	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
13	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
14	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
15	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
16	OBPYT 16	6	36.1	96.0	41	77.5	n.d.	3	8.5	3.29	40.1	68	41.2	522	103	19
17	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
18	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
19	OBPYT 19	6	39.8	97.0	36	80.0	n.d.	3	9.1	4.15	48.3	88	47.8	105	145	36
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	OBPYT 27	6	32.1	89.0	42	74.9	n.d.	3	10.5	3.22	32.4	82	32.7	955	96	15
28	OBPYT 28	6	29.0	75.0	42	77.6	1.9	1	10.5	4.09	41.0	101	59.2	551	155	19
29	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
30	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
31	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
32	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
33	OBPYT 33	6	40.1	97.0	35	76.2	n.d.	3	9.8	3.49	38.0	88	45.3	1008	109	19
34	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
35	OBPYT 35	6	23.1	*42	35	72.6	n.d.	3	11.2	4.23	38.8	109	45.4	267	162	9
36	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
6	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
10	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

MQ Table 13. OBPYT for Hermiston, OR in 2010-11

(2010-11 Oregon Barley Preliminary Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OBPYT 1	6	38.8	90.8	76	77.6	n.d.	3	9.6	3.49	38.1	87	38.5	444	102	15
2	OBPYT 2	6	37.2	97.8	68	80.2	2.6	2	10.7	4.64	45.6	139	55.0	103	162	49
3	OBPYT 3	6	31.7	*69.3	85	76.3	n.d.	3	10.9	4.20	39.6	125	46.3	226	142	17
4	OBPYT 4	6	36.3	94.4	72	80.0	1.6	1	10.8	4.38	41.3	97	57.1	209	149	34
9	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
10	OBPYT 10	6	39.1	89.1	82	77.0	1.6	1	11.7	3.95	34.2	98	43.3	317	123	26
11	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
12	OBPYT 12	6	32.7	89.7	73	80.9	1.4	1	10.3	3.71	37.1	113	56.5	173	127	34
13	OBPYT 13	6	43.6	98.0	65	80.0	2.7	1	12.3	4.10	33.5	118	51.5	393	127	39
14	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
15	OBPYT 15	6	41.5	93.2	84	77.9	3.2	2	12.0	3.87	32.9	102	42.8	333	121	29
16	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
21	OBPYT 21	6	39.0	95.0	86	77.7	2.5	2	11.6	3.57	32.1	71	33.4	682	98	25
22	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
23	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
24	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
25	OBPYT 25	6	39.2	94.3	77	79.2	2.5	2	8.5	2.94	36.1	54	30.9	455	76	26
26	OBPYT 26	6	33.0	90.0	66	79.5	3.0	2	9.7	3.58	39.3	80	41.5	401	112	30
27	OBPYT 27	6	38.7	86.4	89	74.6	3.8	2	11.5	3.43	31.7	95	31.3	369	86	16
28	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
33	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
34	OBPYT 34	6	33.0	*74.9	88	75.2	3.2	2	10.8	3.59	34.4	87	33.7	260	95	14
35	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
36	OBPYT 36	6	33.4	93.6	72	81.7	2.8	2	10.4	4.27	42.5	134	56.4	98	169	49

MQ Table 14. OBPYT for Pendleton, OR in 2010-11

(Oregon Winter Barley Preliminary Yield Trial)

Entry	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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	OBPYT 11	6	39.9	97.0	64	81.6	4.3	2	8.6	3.48	44.0	76	56.3	53	118	45
12	OBPYT 12	6	29.8	92.0	71	81.6	1.8	1	8.3	3.33	44.4	85	58.0	47	120	43
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	OBPYT 25	6	35.9	98.0	69	78.9	n.d.	3	8.2	2.77	36.7	50	31.4	224	77	22
26	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
27	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
28	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
29	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
30	OBPYT 30	6	35.7	92.0	79	78.3	1.6	1	10.1	3.56	35.9	122	52.0	91	113	42
31	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
32	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
33	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
34	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
35	OBPYT 35	6	25.2	*57	55	75.0	n.d.	3	11.8	4.02	36.4	89	44.1	499	129	14
36	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

MQ Table 15. ABEW-2 Entry List for 2010-11

(2010-11 Advanced Barley Elite Winters - 2 Row)

Entry	Name	Type	Use	Parentage
1	Endeavor	2	Malting	
2	Charles	2	Malting	Bearpaw/81Ab1702
3	Eight-Twelve	6	Feed	72Ab83/Wintermalt
4	94Ab1219	2	Malting	
5	02Ab1285	2	Malting	
6	02Ab339	2	Malting	
7	02Ab348	2	Malting	
8	02Ab429	2	Malting	
9	02Ab431	2	Malting	
10	02Ab566	2	Malting	
11	02Ab597	2	Malting	
12	02Ab669	2	Malting	
13	02Ab671	2	Malting	
14	02Ab710	2	Malting	
15	02Ab712	2	Malting	
16	02Ab948	2	Malting	
17	02Ab1114	2	Malting	
18	02Ab1340	2	Malting	
19	02Ab164	2	Malting	
20	02Ab169	2	Malting	
21	02Ab170	2	Malting	
22	02Ab1938	2	Malting	
23	02Ab641	2	Malting	
24	02Ab645	2	Malting	
25	94Ab1347	2	Malting	
26	Finesse	2	Malting	
27	04/153/2	2	Malting	
28	05/141/27	2	Malting	
29	04/124/5	2	Malting	
30	04/028/36	2	Malting	

MQ Table 16. ABEW-2 for Pendleton, OR in 2010-11

(2010-11 Advanced Barley Elite Winters - 2 Row)

Entry	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
2	Charles	2	35.3	94.3	69	84.1	1.6	1	9.3	4.51	*53.6	96	*94	47	175	43
26	Finesse	2	43.8	97.9	67	78.6	2.8	2	10.4	3.49	35.9	37	39.6	407	114	23
27	04/153/2	2	42.9	98.9	68	82.1	n.d.	3	9.9	3.93	40.2	62	39.8	122	121	28
28	05/141/27	2	43.9	98.8	69	79.8	2.3	2	9.3	3.00	32.5	53	34.2	275	84	26
29	04/124/5	2	40.9	99.3	70	80.3	1.5	1	10.8	3.94	39.0	81	42.8	84	139	38
30	04/028/36	2	48.3	99.4	65	81.8	1.7	1	10.7	4.35	41.4	139	42.9	92	148	42

MQ Table 17. WMBT & WBINT Entry List for 2010-11

(2010-11 Winter Malting Barley Trial)

Entry	Name	Type	Use	Parentage
1	Charles	2	Malting	Bearpaw/81Ab1702
2	Strider	6	Feed	1860164/Steptoe
3	McGregor	6	Malting	
4	Maja	6	Malting	Strider/88Ab536
5	OR76	6	Malting	Stab47/Kab51
6	Endeavour	2	Malting	
7	93Ab669 (79Ab135/Morex)	6	Malting	
8	93Ab631 (79Ab135/Scio)	6	Malting	
9	02Ab1604 (93Ab428/Crystal II)	2	Malting	
10	Wintmalt	2	Malting	
11	KW 2-832	2	Malting	
12	KW 2-849	2	Malting	
13	03/220/158	6	Malting	
14	04/153/2	2	Malting	
15	04/002/23	6	Malting	
16	04/028/36	2	Malting	
17	Famosa	2	Malting	
18	Saturn	6	Malting	
30	29635/2171 IPZ 25739	2		Carola*Opal * IPZ 25485 (Astrid*IPZ 12585)*Labea*Opal
31	29642/2206 IPZ 25485	2		(Astrid*IPZ 12585)*Labea*Opal * ECK 2488
37	29660/2449 DH_PF 2773	2		(Scylla) * Malwinta
38	29613/2591 sel.BC1 29455/5	2		(Artist x DH 758-7) x Carrero x Carrero
39	29621/2619 sel.BC1 29458/6	2		(Artist x DH 758-2) x Carrero x Mombasa

MQ Table 18. WMBT & WBINT for Corvallis, OR in 2010-11

(2010-11 Winter Malting Barley Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	Charles	2	31.7	89.5	39	80.3	2.5	1	11.2	5.47	51.3	131	98.7	93	304	55
2	Strider	6	30.7	76.0	44	76.6	n.d.	3	10.2	4.08	40.7	55	54.0	672	169	19
3	McGregor	6	28.5	69.0	36	76.3	3.0	1	10.2	4.30	44.8	80	65.5	142	200	29
4	Maja	6	26.6	71.3	48	79.8	2.3	1	8.7	4.22	51.4	96	71.2	51	247	36
5	OR76	6	34.7	91.5	52	79.9	2.3	1	9.6	4.36	47.3	87	73.2	318	218	39
6	Endeavour	2	33.4	84.6	41	81.0	2.4	1	11.1	5.45	50.4	131	96.3	194	294	48
7	93Ab669	6	12.3	16.5	39	59.2	5.7	2	12.9	4.26	35.0	122	50.1	408	226	27
8	93Ab631	6	14.0	21.4	40	59.8	4.8	2	13.5	5.57	42.4	141	66.5	203	298	37
9	02Ab1604	2	30.5	78.6	35	80.1	2.6	1	11.2	5.09	45.6	133	92.4	110	257	53
10	Wintmalt	2	29.2	71.8	38	76.3	5.2	1	9.9	4.10	46.0	122	67.7	35	206	41
11	KW 2-832	2	26.0	64.1	39	74.7	5.5	1	10.7	4.41	44.2	146	71.3	33	217	45
12	KW 2-849	2	29.3	81.7	32	76.3	6.0	1	11.6	4.97	44.3	201	70.8	35	260	50
13	03/220/158	6	33.4	81.1	44	80.1	2.5	1	10.0	4.37	46.5	180	64.9	183	234	51
14	04/153/2	2	34.6	84.6	37	78.7	n.d.	3	10.6	4.21	41.3	126	44.9	71	198	40
15	04/002/23	6	28.1	80.1	35	81.1	3.0	1	9.5	4.55	51.5	105	58.5	83	236	43
16	04/028/36	2	42.9	98.1	30	82.1	3.0	1	10.8	4.88	45.9	150	57.2	52	249	65
17	Famosa	2	38.7	85.3	37	77.6	3.0	1	8.9	3.51	41.0	102	46.5	354	140	25
18	Saturn	6	32.4	81.5	44	73.1	n.d.	3	10.5	3.80	36.4	137	38.1	789	147	19
30	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
31	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
37	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
38	WBINT 38	2	47.7	98.6	39	81.9	2.3	1	9.6	3.97	42.2	119	50.9	56	152	50
39	WBINT 39	2	40.0	96.5	35	78.7	5.2	1	11.5	4.68	42.7	136	63.0	50	186	59

MQ Table 19. Short Entry List for 2010-11

(2010-11 Short Yield Trial)

Entry	Name	Type	Use	Parentage
1	OR912	6	Malting	Bu37/Maja 113-13-12
2	OR913	6	Malting	Bu37/Maja 113-13-18
3	OR914	6	Malting	Bu37/Maja 113-13-18
4	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
5	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
6	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
7	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
8	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
9	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
10	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
11	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
12	CAP II 2 rsv	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
13	CAP II 2 rsv	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
14	CAP II 2 rsv	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
15	CAP II 2 rsv	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
16	CAP II CB 2	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
17	Charles	2	Malting	Bearpaw/81Ab1702
18	Maja	6	Malting	Strider/88Ab536
19	Eight-twelve	6	Feed	72Ab83/Wintermalt
20	Strider	6	Feed	1860164/Steptoe

MQ Table 20. Short for Corvallis, OR in 2010-11

(2010-11 Short Yield Trial)

Entry	Name	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
8	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
9	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Charles	2	31.9	90.8	41	81.1	2.2	1	10.0	4.81	48.8	112	90.2	187	217	45
18	Maja	6	24.5	*46.5	53	79.1	2.2	1	10.0	4.42	48.5	133	73.3	64	211	40

MQ Table 21. Breun Entry List for 2010-11

(2010-11 Breun Lines)

Entry	Name	Type	Use	Parentage
1	26173/2076	2		
2	Violetta	2		
3	05-5401/01	2		
4	05-5401/05	2		
5	05-5401/06	2		
6	05-5401/11	2		
7	05-5416/5	2		
8	8775a5	6		
9	8775a6	6		
10	10466p3	6		
11	10467p2	6		
12	10467p7	6		
13	10467q5	6		
14	10467r2	6		
15	10467r4	6		

MQ Table 22. Breun for Corvallis, OR in 2010-11

(2010-11 Breun Lines)

Entry	Name	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
2	Violetta	2	*45.5	97.6	32	81.1	2.2	1	11.1	4.52	44.7	167	54.5	85	192	70
3	05-5401/01	2	39.6	91.5	38	80.4	2.5	1	10.5	4.10	40.9	134	57.7	49	172	50
11	10467p2	6	33.9	92.4	39	80.6	2.3	1	9.4	4.10	45.9	107	55.5	131	177	42
13	10467q5	6	34.0	96.1	44	82.5	2.2	1	8.1	3.83	48.1	102	57.9	56	168	41
14	10467r2	6	38.3	97.9	39	83.4	2.3	1	7.9	3.73	49.6	94	55.5	53	161	41
15	10467r4	6	37.1	95.5	38	82.4	2.4	1	8.9	4.15	47.4	123	54.7	53	175	45

MQ Table 23. AMBA & Demo DS Entry List for 2010-11

(2010-11 AMBA & Demo Drill Strips)

Entry	Name	Type	Use	Parentage
1	OR 76	6	Malting	Stab 47/Kab 51
2	OR 818	6	Malting	Bu 27/Stab 47(F1)/3/Maja/Stab 47
3	Maja	6	Malting	Strider/88Ab536 (OR81)
4	OR 915	6	Malting	Kab51/Excel//Maja/3/Stab 7/Maja
5	Charles	2	Malting	Bearpaw/81Ab1702
101	OR 77	6	Feed	Strider/Orca
102	OR 85	6	Food	Maja/Legacy/Maja/3/Doyce
103	OR 86	6	Food	Maja/Legacy/Maja/3/Doyce
104	OR 911	6	Food	Maja/Legacy//Maja/3/Doyce
105	OR 712 (Verdant)		Forage	
106	Karma		Other	PI 60205 CI3202
107	Fiona		Other	PI60694 Kober Ethiopia

MQ Table 24. AMBA DS & Demo DS for Corvallis, OR in 2010-11

(2010-11 AMBA & Demo Drill Strips)

Entry	Name	Row type	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	39.4	95.7	48	79.1	1.9	1	11.1	4.42	40.2	112	63.0	408	174	34
2	OR818	6	29.5	85.2	44	79.5	2.1	1	10.7	5.04	49.0	137	81.4	215	229	43
3	Maja	6	26.1	59.9	51	79.1	2.0	1	9.6	4.46	47.8	136	68.4	74	204	40
4	OR915	6	27.2	64.3	49	77.8	2.2	1	10.3	4.40	44.0	114	68.3	181	193	26
5	Charles	2	30.2	90.5	39	80.0	2.2	1	11.1	5.38	51.5	132	91.3	176	238	50
101	OR77	6	31.9	84.2	52	78.4	2.2	1	8.8	3.49	43.3	69	45.2	495	124	32
102	OR85	6	28.4	65.4	40	81.9	1.7	1	9.5	3.50	38.2	77	44.5	302	126	23
103	OR86	6	31.6	68.2	35	*84.5	1.6	1	11.4	3.87	36.1	91	42.3	540	140	25
104	O911	6	31.2	56.2	*18	83.0	1.5	1	12.7	4.48	35.9	117	54.9	533	170	33

MQ Table 25. AMBA DS & Demo DS for Hermiston, OR in 2010-11

(2010-11 AMBA & Demo Drill Strips)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OR 76	6	38.9	92.9	88	78.5	2.7	2	11.3	4.05	36.6	103	50.5	283	131	30
2	OR 818	6	33.6	85.5	78	80.3	1.6	1	10.3	4.57	46.2	139	84.7	70	182	50
3	Maja	6	32.2	85.5	86	80.2	2.7	2	10.5	4.03	40.4	137	52.9	73	150	44
4	Charles	2	45.8	97.9	60	82.0	1.6	1	12.4	5.14	44.3	148	87.8	302	211	63
102	A OR 85/OR 86	6	31.8	*63.7	*34	83.3	2.4	2	11.9	3.47	30.3	84	39.4	803	107	25
103	B OR 86/OR 85	6	34.9	81.9	*36	84.0	3.2	2	11.5	3.61	31.9	73	31.0	860	101	31
104	OR 911	6	31.8	*76.7	*24	83.3	3.3	2	12.1	4.12	34.0	73	37.4	746	122	28

MQ Table 26. AMBA & Demo DS for Pendleton, OR in 2010-11

(2010-11 AMBA & Demo Drill Strips)

Entry Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1 OR 76	6	36.9	95.7	73	79.0	3.4	2	9.5	3.61	39.8	89	56.6	133	125	36
2 Maja	6	31.6	92.2	72	80.8	3.0	2	9.5	3.64	42.5	110	51.6	49	140	44
3 Charles	2	36.2	95.4	68	82.3	1.7	1	9.8	4.12	46.5	94	*84	100	151	44
105 OR 85	6	29.9	*50.3	*34	85.2	2.3	2	10.4	3.61	38.0	90	45.7	277	117	22

MQ Table 27. ORNE MAS Entry List for 2010-11

(2010-11 ORNE Marker Assisted Selection)

Entry	Name	Type	Use	Parentage
1	Pop1-88/2	6		NE18199/OR76//OR76
2	Pop1-88/1	6		NE18199/OR76//OR76
3	Pop1-13A/1	6		NE18199/OR76//OR76
4	Pop1-99/1	6		NE18199/OR76//OR76
5	Pop1-95/1	6		NE18199/OR76//OR76
6	Pop1-18/1	6		NE18199/OR76//OR76
7	Pop1-33/1	6		NE18199/OR76//OR76
8	Pop1-77/1	6		NE18199/OR76//OR76
9	Pop1-18/2	6		NE18199/OR76//OR76
10	Pop1-82/3	6		NE18199/OR76//OR76
11	Pop1-34/1	6		NE18199/OR76//OR76
12	Pop1-88/3	6		NE18199/OR76//OR76
13	Pop1-69/1	6		NE18199/OR76//OR76
14	Pop1-145/1	6		NE18199/OR76//OR76
15	Pop1-269/1	6		NE18199/OR76//OR76
16	Pop1-73/1	6		NE18199/OR76//OR76
17	Pop1-37/1	6		NE18199/OR76//OR76
18	Pop1-58/5	6		NE18199/OR76//OR76
19	Pop1-254/1	6		NE18199/OR76//OR76
20	Pop1-39/1	6		NE18199/OR76//OR76
21	Pop1-69/2	6		NE18199/OR76//OR76
22	Pop1-58/4	6		NE18199/OR76//OR76
23	Pop1-3/2	6		NE18199/OR76//OR76
24	Pop1-/4 unknown	6		NE18199/OR76//OR76
25	Pop1-98/1	6		NE18199/OR76//OR76
26	Pop1-82/2	6		NE18199/OR76//OR76
27	Pop1-275/1	6		NE18199/OR76//OR76
28	Pop1-112/1	6		NE18199/OR76//OR76
29	Pop1-293/1	6		NE18199/OR76//OR76

30	Pop1-168/1	6	NE18199/OR76//OR76
31	Pop1-58/2	6	NE18199/OR76//OR76
32	Pop1-/3 unknown	6	NE18199/OR76//OR76
33	Pop1-176A/1	6	NE18199/OR76//OR76
34	Pop1-3/3	6	NE18199/OR76//OR76
35	Pop1-36/1	6	NE18199/OR76//OR76
36	Pop1-65/1	6	NE18199/OR76//OR76
37	Pop1-38/1	6	NE18199/OR76//OR76
38	Pop1-145/2	6	NE18199/OR76//OR76
39	Pop1-3/1	6	NE18199/OR76//OR76
40	Pop1-12/1	6	NE18199/OR76//OR76
41	Pop1-239/2	6	NE18199/OR76//OR76
42	Pop1-58/1	6	NE18199/OR76//OR76
43	Pop1-28/1	6	NE18199/OR76//OR76
44	Pop1-/1 unknown	6	NE18199/OR76//OR76
45	Pop1-74/1	6	NE18199/OR76//OR76
46	Pop1-/2 unknown	6	NE18199/OR76//OR76
47	Pop2-23/2	6	NB3437/OR76//OR76
48	Pop2-18A/2	6	NB3437/OR76//OR76
49	Pop2-57/5	6	NB3437/OR76//OR76
50	Pop2-23/3	6	NB3437/OR76//OR76
51	Pop2-57/3	6	NB3437/OR76//OR76
52	Pop2-95/1	6	NB3437/OR76//OR76
53	Pop2-18A/1	6	NB3437/OR76//OR76
54	Pop2-57/1	6	NB3437/OR76//OR76
55	Pop2-18B/2	6	NB3437/OR76//OR76
56	Pop2-57/4	6	NB3437/OR76//OR76
57	Pop2-65/1	6	NB3437/OR76//OR76
58	Pop2-76/1	6	NB3437/OR76//OR76
59	Pop2-107/1	6	NB3437/OR76//OR76
60	Pop2-57/2	6	NB3437/OR76//OR76
61	Pop2-85/1	6	NB3437/OR76//OR76
62	Pop2-10/1	6	NB3437/OR76//OR76
63	Pop2-18A/3	6	NB3437/OR76//OR76
64	Pop2-94/1	6	NB3437/OR76//OR76
65	Pop2-15/1	6	NB3437/OR76//OR76

66	Pop2-41/1	6	NB3437/OR76//OR76
67	Pop2-1/1	6	NB3437/OR76//OR76
68	OR76	6	OBADV 33 OR76 Stab47/Kab51
69	Maja	6	OBADV 34 Maja 400g
70	NB3437-UNL2010	6	OBADV 35 NB3437-UNL2010 540 g
71	OR71	6	OBPYT 34 OR71 100g
72	NB3437-UNL2010	6	OBPYT 35 NB3437-UNL2010 540g

MQ Table 28. ORNE MAS for Corvallis, OR in 2010-11

(2010-11 ORNE Marker Assisted Selection)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Pop1-77/1	6	39.1	98.0	47	76.0	n.d.	3	10.6	4.22	41.9	67	47.2	563	160	19
9	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
10	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
11	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
12	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
13	Pop1-69/1	6	34.1	91.9	48	78.8	n.d.	3	9.0	3.97	47.1	68	58.3	317	152	29
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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

Entry	Name	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
31	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
32	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
33	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
34	Pop1-3/3	6	29.7	85.0	46	77.1	n.d.	3	9.5	4.37	49.2	85	61.4	336	170	19
35	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
36	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
37	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
38	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
39	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
40	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
41	Pop1-239/2	6	37.9	89.0	56	79.7	2.4	1	8.3	3.82	48.9	78	52.7	189	147	34
42	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
43	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
44	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
45	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
46	Pop1-/2 unknown	6	31.5	90.0	43	77.8	*4.2	2	9.0	4.19	50.4	79	57.4	339	165	26
47	Pop2-23/2	6	34.5	97.0	52	78.6	n.d.	3	9.5	3.39	38.2	61	43.4	665	109	26
48	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
49	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
50	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
51	Pop2-57/3	6	35.9	96.1	50	78.3	n.d.	3	10.1	3.92	41.5	68	48.1	500	144	27
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	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

Entry	Name	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	OR76	6	34.5	88.3	53	78.4	2.9	2	9.7	4.31	46.1	81	67.6	354	166	35
69	Maja	6	*25.1	*48.8	51	77.4	2.5	1	10.4	4.70	47.2	125	72.0	69	211	30
70	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
71	OR71	6	32.2	88.5	56	77.3	2.6	1	9.5	3.99	45.7	71	58.1	201	133	29
72	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

MQ Table 29. Cooperators in Oregon in 2010-11

Name	Additional Sample Information	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
BCD47	Sayer Farms	2	44.6	95.3	53	81.4	1.6	1	11.4	4.82	44.9	158	109.7	97	211	70
Metcalfe	Sayer Farms - 1	2	42.2	95.0	61	83.1	1.8	1	10.9	5.00	46.7	125	98.1	53	219	65
Metcalfe	Sayer Farms - 2	2	44.4	95.5	54	82.3	1.8	1	11.7	5.17	48.0	152	108.4	45	231	65
Metcalfe	Christensen Farms - Bin 5	2	41.2	94.3	49	82.7	2.0	1	10.7	5.23	49.7	139	113.7	49	222	59
M101	Christensen Farms	2	45.0	97.5	35	77.6	1.4	1	13.7	4.35	32.2	137	51.6	264	149	29
OR76	Christensen Farms- Bin 3	6	36.5	87.8	52	78.2	1.8	1	12.4	4.75	38.5	121	76.6	246	182	37

MQ Table 30. Miscellaneous for Corvallis, OR in 2010-11

Name	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
Karma	6	31.4	79.1	0	76.2	1.8	1	15.8	4.33	28.0	96	61.7	1157	138	16
2692/2024	2	39.3	92.0	29	77.2	3.7	1	12.0	4.32	37.2	99	55.3	111	152	32
Maja	6	29.8	72.2	67	79.0	n.d.	3	11.2	4.05	38.3	137	54.9	83	158	32
OR818	6	31.2	79.2	57	79.5	2.3	1	11.0	4.35	41.2	128	76.0	146	173	38
Charles	2	36.6	93.5	68	79.9	1.7	1	12.2	4.82	41.3	131	83.4	70	183	60

MQ Table 31. OBELT for Pullman, WA in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	36.9	95.7	67	79.0	1.7	2	11.0	3.94	37.5	99	73.7	192	169	30
3	OR813	6	36.5	94.8	64	78.9	1.6	1	11.6	4.03	36.6	103	77.7	176	172	36
4	OR815	6	37.5	92.9	63	79.0	1.3	1	11.5	3.97	35.0	109	58.6	386	161	31
5	OR816	6	33.2	91.2	70	78.8	1.7	1	11.1	3.72	35.0	113	58.9	208	159	31
6	OR818	6	30.9	88.1	53	79.4	1.6	1	11.1	4.36	41.1	118	84.8	255	202	38
7	Maja	6	34.8	91.9	57	77.9	n.d.	3	9.9	3.30	35.3	*44	38.5	620	118	19
8	OR91	6	31.7	89.9	54	80.3	1.7	1	10.3	4.13	42.7	106	81.6	201	185	38
10	OR97	6	31.3	86.2	55	79.4	1.7	1	11.1	4.38	42.2	115	79.4	269	200	41
11	OR98	6	31.9	90.5	52	80.3	1.7	1	10.4	4.23	42.0	116	84.9	200	194	41
12	OR910	6	31.8	90.6	53	80.0	1.6	1	10.9	4.43	42.9	122	84.6	167	209	50
13	OR915	6	32.6	85.5	63	78.7	n.d.	3	10.5	3.71	36.1	102	58.9	252	161	29
14	OR101	6	31.6	91.9	52	80.5	1.5	1	10.4	4.19	44.4	111	77.4	171	195	41
15	OR102	6	39.9	96.7	70	77.4	1.3	1	11.1	3.27	29.6	93	46.4	722	123	21
16	OR103	6	39.0	95.7	56	77.6	1.8	2	11.1	3.71	35.0	98	56.9	527	161	23
17	OR104	6	34.5	90.2	59	79.0	n.d.	3	10.9	3.49	32.7	119	51.4	330	137	32
18	OR105	6	34.4	89.5	54	78.0	2.1	2	11.1	3.56	32.5	108	55.1	277	143	27
19	OR106	6	35.3	93.7	58	76.6	n.d.	3	11.5	3.54	33.0	119	45.6	625	145	24
20	OR107	6	40.1	96.1	66	77.3	1.5	2	9.8	3.39	35.5	82	48.4	496	138	20
21	OR108	6	35.1	90.9	65	77.6	1.5	1	10.8	3.44	31.8	96	53.5	392	140	24
22	OR109	6	33.6	90.9	60	80.7	1.8	2	10.7	4.06	40.2	103	68.5	169	184	36
23	OR110	6	35.7	94.7	69	77.4	1.9	2	11.1	3.42	31.8	111	45.8	497	128	20
24	OR111	6	41.4	95.9	63	77.0	1.3	1	12.2	4.00	34.7	100	57.4	468	173	29
25	OR112	6	36.9	95.3	59	79.3	n.d.	3	10.2	3.51	36.3	93	55.9	285	150	32
26	OR113	6	32.3	88.6	60	78.3	2.0	2	11.1	3.64	33.3	110	58.6	212	152	30
27	OR114	6	35.0	92.9	58	79.3	n.d.	3	10.1	3.51	38.6	79	51.1	303	143	32
29	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
30	Charles	2	38.0	94.7	61	81.1	1.6	1	11.1	4.36	42.2	121	95.8	90	198	63

MQ Table 32. OBADV for Pullman, WA in 2010-11

(2010-11 Oregon Winter Barley Advanced Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	OBADV11-26	6	37.4	93.0	70	74.3	2.2	2	11.9	3.26	28.2	94	39.7	498	95	21
27	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
28	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
29	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
30	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
31	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
32	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
33	OR76	6	34.2	89.9	70	75.7	n.d.	3	10.2	3.03	29.9	89	35.0	679	93	15
34	Maja NB3437-	6	32.0	86.2	64	79.5	2.4	2	10.3	4.05	*41.4	135	61.0	78	177	43
35	UNL2010	6	29.7	82.6	49	73.9	3.1	2	11.9	4.09	34.6	95	57.5	545	155	25
36	Alba	6	36.8	89.1	72	76.2	1.3	1	12.1	3.43	29.2	101	49.4	697	128	26

MQ Table 33. OBELT for Wooster, OH in 2010-11

(2010-11 Oregon Winter Barley Elite Yield Trial)

Entry	Name	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (°ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
1	OR76	6	28.8	76.7	38	77.0	3.3	2	13.6	5.57	41.7	104	67.1	320	229	30
2	OR77	6	31.2	84.7	47	76.6	2.2	1	12.1	4.45	37.7	106	56.8	769	160	28
3	OR813	6	28.3	77.4	42	78.0	3.2	2	14.1	5.71	42.0	103	69.1	231	237	30
4	OR815	6	31.0	84.2	44	78.9	2.0	1	13.1	4.85	38.6	108	63.9	546	193	41
5	OR816	6	27.8	75.5	43	79.4	2.6	1	12.1	4.64	40.1	123	67.7	396	190	36
6	OR818	6	23.6	62.3	34	78.7	3.4	1	11.7	5.59	48.7	111	98.1	195	250	38
7	Maja	6	24.1	55.0	43	80.0	3.7	2	11.9	4.98	42.4	134	71.2	92	218	52
8	OR91	6	23.2	61.8	39	80.6	3.8	1	11.7	5.60	48.8	113	93.8	132	252	44
9	OR92	6	23.6	65.6	37	80.6	3.8	1	11.8	5.58	50.8	114	94.9	156	249	44
10	OR97	6	23.6	64.6	35	80.2	4.4	1	11.5	5.66	50.9	107	96.3	128	265	39
11	OR98	6	24.0	68.1	37	80.2	3.7	1	11.9	5.61	49.7	104	89.8	162	254	44
12	OR910	6	24.3	68.8	36	80.6	4.3	1	12.1	5.77	50.6	113	95.9	137	262	40
13	OR915	6	26.8	73.3	45	79.8	3.6	2	12.6	4.85	41.3	101	71.4	236	205	39
14	OR101	6	26.8	79.1	47	78.7	3.0	1	12.8	4.96	40.7	134	66.8	257	193	39
15	OR102	6	31.7	79.6	39	76.5	3.2	1	12.9	4.75	38.0	105	59.3	448	186	26
16	OR103	6	32.8	89.8	49	79.6	2.7	1	11.7	4.43	38.7	95	57.0	711	172	39
17	OR104	6	27.2	81.8	45	79.7	n.d.	3	12.0	4.78	40.2	115	62.4	255	192	35
18	OR105	6	28.3	85.0	42	78.9	n.d.	3	11.8	4.74	40.8	95	61.9	263	192	34
19	OR106	6	27.6	78.7	41	78.3	n.d.	3	12.0	4.53	39.3	103	58.4	384	172	27
20	OR107	6	30.7	85.7	36	78.3	3.0	2	12.4	4.52	37.2	98	58.4	350	172	34
21	OR108	6	30.4	77.4	49	78.2	2.2	1	11.4	4.30	37.9	109	59.6	541	158	25
22	OR109	6	27.7	80.3	46	79.7	3.2	2	12.0	4.99	43.1	107	66.4	257	212	46
23	OR110	6	28.8	79.4	49	77.3	2.8	1	11.9	4.43	39.8	112	54.6	488	152	24
24	OR111	6	34.7	90.6	46	77.9	2.1	1	12.1	4.62	39.4	104	54.8	762	172	33
25	OR112	6	29.1	80.3	42	79.3	n.d.	3	11.6	4.79	42.2	95	68.1	230	199	42
26	OR113	6	26.9	78.7	45	79.5	n.d.	3	11.7	4.77	40.9	104	68.1	179	191	33
27	OR114	6	29.1	82.6	42	79.3	n.d.	3	11.3	4.55	41.2	80	57.4	269	180	29
28	Strider	6	28.8	66.5	36	77.2	n.d.	3	12.6	4.58	37.1	53	52.3	339	163	19
29	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
30	Charles	2	30.6	85.8	38	81.5	2.8	1	12.6	5.68	47.4	148	110.0	185	256	47

MQ Table 34. Drill Strips for Wooster, OH in 2010-11

Entry	Name	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	OR76	6	28.6	70.2	39	77.3	3.8	2	14.3	5.41	40.3	103	76.6	193	225	22
2	OR818	6	25.0	72.1	37	80.0	4.3	2	12.1	5.78	49.6	109	101.4	135	266	39
3	Maja	6	24.8	60.0	44	78.2	3.3	2	12.6	5.05	40.4	152	78.6	92	219	44
5	Charles	2	31.9	86.8	39	81.0	2.6	1	13.5	5.68	43.9	160	106.2	217	253	47
	Endevour	2	30.3	76.8	38	80.4	2.4	1	12.6	5.42	44.3	158	107.8	204	232	50
	Halcyon	2	32.6	78.7	49	78.3	2.0	1	12.8	4.50	36.0	116	52.5	493	166	34
	Pipkin	2	31.9	79.1	41	78.3	2.9	2	12.3	4.05	34.7	100	62.8	452	142	29
	NT074	2	29.0	60.3	31	76.4	6.7	2	14.1	*7.34	52.6	106	77.5	55	309	24
	NT140	2	34.2	75.3	31	78.3	n.d.	3	12.7	4.60	38.3	142	89.7	207	174	35
	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
	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
	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
	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
	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
	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
	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

Annotations on specific samples. Note: The number of entries in a nursery list may be greater than the number of samples for which there are data: only selected lines of interest are characterized for malt quality. All germplasm grown was at Corvallis, Oregon unless otherwise indicated. All data re courtesy of the USDA Cereals Crops Research Unit,

Table number	Germplasm	Details	Source
17, 18	Entries 30, 31, 37-39	2-row winter	M. Herz. Germany
29	Various spring 2-rows	On-farm trials, Willamette Valley	OSU
30	2692/2024	2-row winter	M. Herz. Germany
30	Karma, Fiona	PI60205,PI60694	V. Blake, MT USA
30	Maja, OR818, Charles	Grown near Burley, Idaho by MillerCoors	OSU