

Barley Project Malting Quality Data 2015



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2015 Malt Quality for Oregon State University Barley Trials

2014-15 Oregon Winter Barley Statewide Yield Trial; 15 selections

			Data Provided by
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2014-15 Oregon Malt Barley Advanced Yield Trial; 31 selections

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Table 1. OWBSYT MQ Entry list and Pedigrees (Selections)

(2014-15 Oregon Winter Barley Statewide Yield Trial)

Entry	Name	Type	Use	Parentage
6	Charles	2	Malt	
7	Endeavor	2	Malt	
8	Wintmalt	2	Malt	
9	10.0860	2	Malt	Wintmalt/Charles
10	10.0777	2	Malt	Wintmalt/Charles
18	DH 10.1044	2	Malt	KW2-849 x (Luca/Waxbar/Luca)
22	DH120228	2	Malt	Wintmalt/Charles//BCD47
24	DH120276	2	Malt	Maris Otter/BCD47
28	DH130004	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
30	DH120412	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
32	DH120293	2	Malt	Wintmalt/Charles//BCD47
34	DH130939	2	Malt	BCD47/VIOLETTA
37	DH130935	2	Malt	OR818/KW2-042
40	DH130718	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
41	DH130762	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
42	DH130765	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
45	DH130910	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
48	10.0925	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)

Table 2. OWBSYT MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 Oregon Winter Barley Statewide Yield Trial)

Data Provided by Cereal Crops Research Unit

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)
6 Charles	2	28.5	84.8	51	79.7	2.7	1	10.8	5.21	53.2	147	94.5	205	266
7 Endeavor	2	32.9	74.9	49	81.4	2.3	1	9.7	5.05	56.4	167	101.9	123	243
8 Wintmalt	2	42.1	93.2	58	80.0	2.2	1	10.2	4.12	40.5	150	55.7	42	184
9 10.0860	2	37.7	92.9	54	81.5	2.4	1	10.7	5.00	50.3	151	86.4	29	266
10 10.0777	6	41.1	94.0	53	82.8	2.6	1	9.5	4.72	52.9	155	107.5	45	244
18 DH 10.1044	2	34.2	86.6	55	80.5	2.5	1	10.1	3.75	40.2	190	44.4	118	152
22 DH120228	2	38.5	92.3	42	82.3	2.7	1	10.2	4.89	51.5	177	109.7	50	241
24 DH120276	2	34.0	92.9	41	80.4	2.5	1	11.2	5.17	49.5	182	98.9	89	252
28 DH130004	2	42.6	96.9	54	80.7	2.6	1	10.8	5.21	49.8	160	73.3	56	298
30 DH120412	2	44.7	96.5	45	80.3	2.6	1	11.3	4.95	47.4	216	73.3	60	258
32 DH120293	2	38.1	90.1	54	79.0	2.4	1	11.1	4.32	41.3	127	83.7	23	165
34 DH130939	2	41.4	93.7	45	80.2	3.0	1	12.4	5.22	44.9	192	106.5	181	268
37 DH130935	2	40.8	91.1	35	78.8	2.7	1	12.1	3.92	33.3	160	61.3	190	141
40 DH130718	2	42.9	99.0	38	80.7	2.8	1	12.0	5.09	44.7	163	81.0	73	265
41 DH130762	2	38.5	98.0	39	80.8	2.4	1	12.1	5.35	45.5	172	97.9	73	234
42 DH130765	2	45.5	98.2	35	80.3	3.2	1	13.8	6.15	45.8	239	84.8	59	289
45 DH130910	2	44.2	94.9	61	79.6	2.1	1	12.1	4.55	39.1	182	37.2	67	183
48 10.0925	2	36.8	87.4	56	79.4	2.3	1	10.7	3.65	37.2	89	38.4	164	145

Table 3. OWBSYT MQ for Lebanon, OR in 2014-15 (Selections)

(2014-15 Oregon Winter Barley Statewide Yield Trial)

Data Provided by Cereal Crops Research Unit

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)
6 Charles	2	36.7	90.6	62	80.4	2.1	1	11.1	4.76	45.6	134	85.5	140	186
7 Endeavor	2	33.6	71.4	62	80.0	2.3	1	10.6	4.73	47.0	165	92.9	162	212
8 Wintmalt	2	40.7	93.2	55	77.7	3.4	1	11.9	4.09	35.5	179	49.0	39	157
9 10.0860	2	40.2	95.5	63	80.5	2.1	1	12.0	4.73	41.0	151	75.3	50	220
10 10.0777	2	38.1	93.3	56	80.1	2.6	1	11.4	5.42	48.0	186	111.2	29	254
18 DH 10.1044	2	42.1	96.1	59	79.7	2.5	2	11.5	3.86	35.1	221	40.8	88	145
22 DH120228	2	42.8	93.5	55	81.0	2.1	1	12.2	5.57	47.8	216	114.1	37	246
24 DH120276	2	42.1	95.2	46	79.6	2.2	1	12.5	5.17	43.7	182	89.3	52	237
28 DH130004	2	33.8	77.8	70	76.0	*3.6	1	14.5	6.60	46.3	244	78.4	51	331
30 DH120412	2	48.7	95.3	50	79.0	2.6	1	13.0	5.68	45.1	233	75.3	67	267
32 DH120293	2	36.3	79.7	58	74.9	1.7	1	13.8	4.17	32.6	169	74.6	218	141
34 DH130939	2	45.9	94.7	54	80.0	2.7	1	12.7	5.45	45.5	174	100.5	118	256
37 DH130935	2	48.6	97.6	39	80.3	2.9	2	12.3	4.14	34.6	188	61.5	132	156
40 DH130718	2	44.7	97.0	48	78.9	2.4	1	14.1	5.85	43.6	197	85.2	98	262
41 DH130762	2	39.4	95.8	55	79.7	2.3	1	12.8	5.25	41.6	181	87.2	239	228
42 DH130765	2	47.6	97.1	52	79.1	2.6	1	14.5	6.50	46.0	277	83.0	57	287
45 DH130910	2	48.3	97.9	74	80.0	2.3	2	11.7	4.65	42.3	186	39.8	113	175
48 10.0925	2	44.4	97.2	55	79.2	2.3	1	10.5	3.54	36.0	101	42.2	79	132

Table 4. OWBSYT MQ for Pendleton, OR in 2014-15 (Selections)

(2014-15 Oregon Winter Barley Statewide Yield Trial)

Data Provided by Cereal Crops Research Unit

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)
6 Charles	2	35.1	90.5	75	77.2	1.9	1	14.2	4.69	34.1	171	87.8	84	297
7 Endeavor	2	35.6	79.1	70	76.5	1.9	1	14.4	4.60	34.0	186	92.2	173	276
8 Wintmalt	2	33.6	80.7	89	74.0	2.3	2	15.4	3.84	25.3	191	49.0	134	196
9 10.0860	2	36.5	91.2	72	77.1	2.1	1	15.1	4.81	32.7	193	78.9	66	311
10 10.0777	2	37.1	91.7	74	77.4	2.3	1	15.0	5.62	39.5	256	110.5	49	366
18 DH 10.1044	2	43.2	97.4	76	75.1	2.0	2	15.4	3.79	25.8	301	42.5	208	140
22 DH120228	2	42.5	94.6	71	78.7	1.9	1	15.0	5.56	39.2	275	116.9	47	363
24 DH120276	2	39.9	96.4	57	76.7	1.9	1	15.0	5.01	35.7	234	90.4	50	324
28 DH130004	2	38.8	93.6	72	76.5	2.0	1	16.3	5.44	34.3	240	70.2	80	275
30 DH120412	2	44.2	97.3	52	76.1	2.0	1	15.5	5.30	34.9	266	84.5	78	326
34 DH130939	2	45.0	93.5	60	77.7	2.2	1	15.1	5.50	36.7	227	97.7	83	377
40 DH130718	2	44.4	97.7	55	77.5	2.5	1	14.7	5.42	38.7	205	80.8	55	249
42 DH130765	2	44.0	95.0	61	77.4	2.6	1	15.8	5.84	37.8	265	82.6	47	348
45 DH130910	2	40.2	84.2	86	74.8	2.7	2	15.5	4.25	29.1	222	33.6	143	139
48 10.0925	2	36.2	93.0	71	75.7	2.0	2	13.8	3.43	24.9	102	38.4	195	118

Table 5. MALT MQ Entry list and Pedigrees (Selections)

(2014-15 Oregon Malt Barley Advanced Yield Trial)

Entry	Name	Type	Use	Parentage
2	DH120036	2	Malt	Maris Otter/BCD47
3	DH120104	2	Malt	Wintmalt/Charles//BCD47
6	DH120175	2	Malt	Maris Otter/BCD47
7	DH120178	2	Malt	Maris Otter/BCD47
11	DH120203	2	Malt	Maris Otter/BCD47
14	DH120232	2	Malt	Wintmalt/Charles//BCD47
15	DH120304	2	Malt	Maris Otter/BCD47
17	DH130735	2	Malt	BCD47/VIOLETTA
18	DH131038	2	Malt	KW2-043/OR104
19	DH131055	2	Malt	OR818/KW2-042
20	DH131064	2	Malt	05-5401/01/MARIS OTTER/BCD47
22	DH131110	2	Malt	OR818/KW2-042
23	DH131127	2	Malt	KW2-043/OR104
24	DH131142	2	Malt	BCD47/VIOLETTA
25	DH131143	2	Malt	BCD47/VIOLETTA
28	DH131184	2	Malt	OR818/KW2-042
29	DH131191	2	Malt	OR818/KW2-042
30	DH131198	2	Malt	12OR019 (TC6W-032)/ENDEAVOR
32	DH131288	2	Malt	12OR019 (TC6W-032)/ENDEAVOR
39	DH132020	2	Malt	BCD47/VIOLETTA
40	DH132158	2	Malt	OR101/BCD47
42	120593	2	Malt	OR76/Pewter
53	DH120238	2	Malt	Maris Otter/BCD47
60	DH133967	2	Malt	Violetta/Charles//BCD47
62	DH133971	2	Malt	Endeavor/Violetta//BCD47
67	DH140083	2	Malt	Violetta/Charles//BCD47
69	DH140088	2	Malt	Violetta/Charles//BCD47
70	DH140182	2	Malt	Violetta/Charles//BCD47
71	DH140184	2	Malt	Violetta/Charles//BCD47
74	DH140189	2	Malt	Endeavor/Violetta//BCD47
75	DH140192	2	Malt	Endeavor/Violetta//BCD47

Table 6. MALT MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 Oregon Malt Barley Advanced Yield Trial)

Data Provided by Cereal Crops Research Unit

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)
2 DH120036	2	34.7	83.9	38	79.9	2.8	1	12.3	5.70	47.3	185	105.2	217	278
3 DH120104	2	35.3	87.0	50	79.8	2.8	1	11.4	5.59	52.4	208	120.8	125	264
6 DH120175	2	39.7	93.0	37	80.4	3.0	1	10.8	5.19	49.2	181	111.5	66	235
7 DH120178	2	38.7	92.4	30	80.1	2.6	1	10.8	5.48	55.1	191	100.7	65	234
11 DH120203	2	36.5	91.5	33	81.1	2.6	1	11.0	5.06	50.1	189	98.0	58	247
14 DH120232	2	36.0	84.0	45	79.6	3.1	1	11.8	6.41	56.7	132	103.7	217	290
15 DH120304	2	41.6	92.2	54	80.0	3.1	1	12.9	6.93	56.6	237	91.2	53	353
17 DH130735	2	40.6	93.0	49	80.9	2.5	1	10.8	5.07	48.1	238	98.2	52	236
18 DH131038	2	42.6	91.6	46	79.9	2.0	1	11.6	4.56	41.7	180	61.0	103	194
19 DH131055	2	45.5	91.3	59	78.2	n.d.	3	12.1	4.14	35.7	130	48.0	186	184
20 DH131064	2	43.1	92.3	58	78.7	1.9	1	11.9	4.52	38.5	208	54.5	145	189
22 DH131110	2	43.8	84.1	54	80.1	2.7	1	11.8	5.21	46.9	146	70.1	288	261
23 DH131127	2	38.4	94.4	30	79.3	1.9	1	13.2	4.75	38.2	206	57.6	70	207
24 DH131142	2	38.5	91.2	27	79.1	2.0	1	11.7	4.30	39.2	208	61.4	58	156
25 DH131143	2	36.9	91.4	33	80.9	2.7	1	10.8	5.56	54.6	173	108.0	56	253
28 DH131184	2	41.2	88.2	39	78.9	2.8	1	12.5	6.43	52.4	168	93.6	163	292
29 DH131191	2	42.8	88.4	47	79.9	2.7	1	11.8	5.51	46.7	138	75.3	182	260
30 DH131198	2	39.7	90.9	54	79.1	2.8	1	12.5	6.46	55.9	208	100.3	80	291
32 DH131288	2	40.0	93.8	40	77.4	2.0	1	13.0	4.11	32.5	229	68.1	492	157
39 DH132020	2	37.8	90.4	30	80.6	2.9	1	11.7	6.37	55.4	162	95.1	87	309
40 DH132158	2	39.8	94.9	49	76.8	2.0	1	13.1	4.94	38.6	188	65.6	215	207
42 120593	2	41.5	95.5	37	78.1	2.1	1	12.8	4.60	37.9	123	55.1	81	200
53 DH120238	2	33.9	84.2	33	77.2	2.3	1	13.6	4.68	36.5	127	46.1	423	202
60 DH133967	2	38.4	89.0	44	82.1	2.5	1	9.9	4.96	50.5	143	98.6	57	235
62 DH133971	2	37.8	93.5	36	79.3	2.3	1	11.8	5.30	46.9	188	94.1	149	237
67 DH140083	2	42.7	96.9	49	79.5	2.8	1	12.3	5.63	49.9	169	109.1	63	322
69 DH140088	2	42.6	96.1	54	80.0	2.7	1	11.7	5.21	45.4	135	102.0	129	257
70 DH140182	2	44.1	96.4	45	80.0	2.9	1	11.9	5.50	49.3	148	106.6	67	280
71 DH140184	2	44.0	96.7	60	80.3	1.7	1	10.7	3.71	36.5	133	44.3	97	130
74 DH140189	2	43.7	95.5	32	80.5	3.2	1	12.6	6.76	56.5	202	97.5	89	321
75 DH140192	2	38.6	90.0	33	80.8	2.9	1	12.7	6.04	51.2	180	98.1	95	269

Table 7. MALT MQ for Lebanon, OR in 2014-15 (Selections)

(2014-15 Oregon Malt Barley Advanced Yield Trial)

Data Provided by Cereal Crops Research Unit

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)
2 DH120036	2	43.1	93.8	50	80.2	2.5	1	13.2	5.79	44.5	205	101.6	161	281
3 DH120104	2	39.7	93.4	64	80.7	2.5	1	11.5	5.65	52.4	206	111.8	168	254
6 DH120175	2	44.8	95.5	53	79.6	2.2	1	12.6	5.12	41.7	195	91.1	410	220
7 DH120178	2	40.8	95.6	47	80.3	2.4	1	11.5	5.37	49.1	222	83.2	133	230
11 DH120203	2	40.2	93.1	40	80.2	2.8	1	11.7	5.14	45.3	261	97.3	28	229
14 DH120232	2	41.3	94.0	54	79.3	2.3	1	12.0	5.46	46.0	130	89.2	693	256
15 DH120304	2	45.0	95.9	59	80.1	2.5	1	11.6	5.80	53.1	211	70.9	92	284
17 DH130735	2	41.0	90.6	63	78.1	2.3	1	12.3	5.23	42.9	300	95.1	36	235
18 DH131038	2	46.3	97.1	52	79.3	2.3	1	11.9	4.30	38.5	191	56.6	80	183
19 DH131055	2	52.5	97.5	70	77.9	n.d.	3	11.6	4.20	36.9	138	47.0	367	177
20 DH131064	2	47.2	93.7	58	76.6	1.6	1	15.2	5.02	34.1	277	56.4	331	202
22 DH131110	2	52.0	97.2	61	81.1	2.3	1	12.1	5.14	44.2	174	65.4	457	235
23 DH131127	2	41.0	96.5	52	77.1	1.8	1	14.7	4.31	30.8	210	43.1	92	171
24 DH131142	2	41.1	95.4	52	78.5	1.7	1	12.7	4.42	35.6	217	58.2	68	160
25 DH131143	2	42.1	93.3	50	79.1	2.3	1	13.1	5.42	43.7	202	88.3	223	240
28 DH131184	2	51.9	97.7	44	78.9	2.5	1	14.2	5.77	43.4	168	77.2	352	280
29 DH131191	2	52.8	95.3	53	79.6	2.5	1	12.8	5.18	41.2	138	68.3	281	248
30 DH131198	2	45.7	96.9	65	80.0	2.4	1	13.2	6.04	48.6	218	102.3	74	275
32 DH131288	2	46.7	97.2	58	77.2	2.0	1	12.0	3.63	30.6	203	49.8	648	133
39 DH132020	2	42.6	92.3	58	79.1	2.7	1	13.0	5.87	47.4	155	85.9	203	277
40 DH132158	2	39.6	87.5	64	74.8	2.7	2	14.2	4.70	33.7	193	52.7	532	189
42 120593	2	46.9	97.8	49	77.0	2.0	1	13.6	4.30	33.0	140	50.4	94	174
53 DH120238	2	43.0	96.3	52	78.9	2.1	1	11.5	4.52	40.5	146	46.2	478	181
60 DH133967	2	43.4	95.5	65	82.1	2.5	1	11.5	5.24	48.1	136	86.2	64	216
62 DH133971	2	46.8	97.3	56	80.1	2.1	1	12.2	5.17	43.6	180	87.0	348	224
67 DH140083	2	43.6	97.6	61	80.0	2.7	1	10.9	5.13	51.0	137	99.0	27	250
69 DH140088	2	47.7	98.1	62	80.7	2.5	1	10.5	4.93	48.5	148	97.7	36	235
70 DH140182	2	46.5	96.3	58	77.9	2.7	1	12.9	5.88	46.9	186	102.3	43	279
71 DH140184	2	46.5	97.9	69	79.0	1.5	1	11.8	3.82	32.5	161	42.7	101	119
75 DH140192	2	45.7	96.9	56	81.0	2.6	1	12.3	5.98	48.5	213	98.9	150	268

Table 8. OMBPYT MQ Entry list and Pedigrees (Selections)

(2014-15 Oregon Malt Barley Preliminary Yield Trial)

Entry	Name	Type	Use	Parentage
3	DH131207	2	Malt	BCD47/VIOLETTA
4	DH131406	2	Malt	KW2-043/OR104
20	DH131679	2	Malt	BCD47/VIOLETTA
21	DH131738	2	Malt	OR910/05-5401/05
22	DH131742	2	Malt	VIOLETTA/BCD47
27	DH131786	2	Malt	VIOLETTA/BCD47
33	DH131890	2	Malt	OR91/VIOLETTA
36	DH131937	2	Malt	VIOLETTA/BCD47
44	DH132007	2	Malt	VIOLETTA/BCD47
62	DH131433	2	Malt	VIOLETTA/BCD47
64	DH131514	2	Malt	VIOLETTA/BCD47
76	DH131744	2	Malt	VIOLETTA/BCD47
79	DH131759	2	Malt	VIOLETTA/BCD47
83	DH131892	2	Malt	VIOLETTA/BCD47
87	DH131995	2	Malt	VIOLETTA/BCD47
100	DH131569	2	Malt	VIOLETTA/BCD47
102	DH131926	2	Malt	VIOLETTA/BCD47
117	DH140185	2	Malt	Violetta/Charles//BCD47
124	DH133425	2	Malt	05-5401/05/BCD47

Table 9. OMBPYT MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 Oregon Malt Barley Preliminary Yield Trial)

Data Provided by Cereal Crops Research Unit

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)
3 DH131207	2	40.2	96.8	40	81.5	2.9	1	10.6	5.88	56.0	158	113.2	54	286
4 DH131406	2	40.4	97.3	50	78.6	2.1	1	12.1	4.71	41.4	183	48.3	120	200
20 DH131679	2	42.5	95.9	52	81.0	3.4	1	11.0	5.79	55.7	197	109.5	40	271
21 DH131738	2	38.7	91.5	51	77.9	2.1	2	12.7	3.94	31.5	152	49.4	186	154
22 DH131742	2	43.7	97.0	57	79.1	2.8	1	12.2	5.53	46.7	205	97.9	142	254
27 DH131786	2	41.1	95.9	36	80.2	3.2	1	10.1	5.44	57.1	128	106.6	38	273
33 DH131890	2	43.2	94.3	52	75.4	2.1	1	13.7	4.85	38.0	219	57.0	412	198
36 DH131937	2	40.8	92.8	39	77.3	2.7	2	13.1	5.17	40.7	175	56.2	76	216
44 DH132007	2	44.9	93.5	49	78.5	2.4	1	11.8	4.44	39.8	151	53.8	117	184
62 DH131433	2	40.0	92.7	35	78.2	2.0	2	12.2	4.37	37.0	172	54.7	142	159
64 DH131514	2	40.0	96.6	36	78.3	1.9	1	12.0	4.66	40.2	229	52.4	195	179
76 DH131744	2	43.5	94.6	50	79.9	2.3	1	9.5	3.92	45.4	157	48.6	38	161
79 DH131759	2	38.2	91.5	38	78.4	2.3	1	11.6	4.96	43.6	189	67.0	47	220
83 DH131892	2	41.8	93.2	61	81.7	2.4	1	10.3	5.08	51.2	166	81.5	123	253
87 DH131995	2	40.2	95.3	54	81.6	2.5	1	9.6	4.70	51.1	154	77.6	82	223
100 DH131569	2	42.4	95.7	44	79.6	2.9	1	11.2	5.30	50.0	148	97.5	256	256
102 DH131926	2	48.5	97.2	37	76.4	2.2	1	13.8	5.12	37.1	219	53.7	280	213
117 DH140185	2	41.2	95.8	34	78.7	2.0	2	12.4	4.64	40.5	191	47.2	320	177
124 DH133425	2	47.1	94.4	40	78.5	2.8	1	13.0	5.81	45.3	201	74.4	263	272

Table 10. Malt Drill Strips MQ Entry list and Pedigrees (Selections)

(2014-15 Malt Drill Strips)

Entry	Name	Type	Use	Parentage
1	10.0777	2	Malt	Wintmalt/Charles
2	10.0860	2	Malt	Wintmalt/Charles
3	Charles	2	Malt	
4	Endeavor	2	Malt	
5	Wintmalt	2	Malt	
11	Puffin	2	Malt	
12	Maris Otter	2	Malt	

Table 11. Malt Drill Strips MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 Malt Barley Drill Strips)

Data Provided by Cereal Crops Research Unit

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)
1 10.0777	2	39.1	95.0	46	82.5	2.5	1	10.9	5.62	54.1	176	100.3	104	264
2 10.0860	2	37.2	95.3	53	81.8	2.3	1	11.8	5.25	48.3	158	79.4	124	253
3 Charles	2	28.3	86.0	46	78.8	2.7	1	12.1	5.57	49.0	155	89.4	324	259
4 Endeavor	2	32.3	78.3	49	81.2	2.2	1	11.2	5.30	49.3	184	92.7	388	229
5 Wintmalt	2	41.4	92.5	62	80.6	2.1	1	10.8	4.08	40.7	141	48.3	118	170
11 Puffin	2	36.3	86.9	54	78.7	2.2	1	12.2	4.79	41.2	130	37.6	392	175
12 Maris Otter	2	29.0	62.9	55	78.9	2.1	1	11.5	4.38	40.2	109	38.7	251	153

Table 12. Malt Drill Strips MQ for Lebanon, OR in 2014-15 (Selections)

(2014-15 Malt Barley Drill Strips)

Data Provided by Cereal Crops Research Unit

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)
1 10.0777	2	35.9	88.2	63	81.4	2.6	1	11.4	5.84	52.2	172	94.2	88	252
2 10.0860	2	38.4	94.1	71	82.2	2.1	1	10.8	5.17	52.3	142	73.2	103	218
3 Charles	2	35.9	88.7	68	80.6	2.3	1	11.2	5.57	51.7	134	81.6	261	202
4 Endeavor	2	34.9	76.2	67	80.1	2.2	1	11.2	5.64	52.8	170	89.3	398	217
5 Wintmalt	2	36.5	82.4	52	77.4	3.1	1	12.3	4.85	39.5	171	48.2	73	158

Table 13. Midwinter Malt Drill Strips MQ Entry list and Pedigrees (Selections)

(2015 Midwinter Malt Drill Strips)

Entry	Name	Type	Use	Parentage
2	10.0777	2	Malt	Wintmalt/Charles
4	10.0860	2	Malt	Wintmalt/Charles
5	DH 10.1044	2	Malt	KW2-849 x (Luca/Waxbar/Luca)
6	DH120228	2	Malt	Wintmalt/Charles//BCD47
7	DH120276	2	Malt	Maris Otter/BCD47
9	DH130004	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
10	DH120412	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
11	DH130939	2	Malt	BCD47/VIOLETTA
13	DH130718	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
14	DH130765	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
15	DH130910	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
16	10.0925	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)

Table 14. Midwinter Malt Drill Strips MQ for Corvallis, OR in 2015 (Selections)

(2015 Midwinter Malt Barley Drill Strips)

Data Provided by Cereal Crops Research Unit

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)
2 10.0777	2	36.9	89.9	69	80.2	2.8	1	11.2	6.11	55.7	140	99.8	134	237
4 10.0860	2	38.6	95.5	73	81.3	2.1	1	11.5	4.85	43.3	130	86.5	212	215
5 DH 10.1044	2	41.8	96.9	65	78.2	2.2	1	11.6	4.21	38.3	212	50.7	130	135
6 DH120228	2	39.4	91.1	69	80.8	2.6	1	11.8	5.86	51.0	200	122.8	97	257
7 DH120276	2	37.4	92.3	64	80.0	2.3	1	11.5	5.22	48.5	198	97.4	123	230
9 DH130004	2	41.7	97.4	68	78.0	2.7	1	13.3	6.14	46.7	176	81.1	166	292
10 DH120412	2	46.2	97.4	53	78.3	2.5	1	12.3	5.64	47.7	207	83.9	171	252
11 DH130939	2	44.6	94.7	61	79.3	2.7	1	13.4	5.70	45.3	234	118.5	395	272
13 DH130718	2	46.5	99.4	55	79.7	2.2	1	13.6	5.24	40.4	191	92.6	229	206
14 DH130765	2	44.6	97.4	50	77.9	2.4	1	15.5	6.32	43.3	258	89.6	72	320
15 DH130910	2	47.2	98.1	76	77.7	2.3	2	12.5	4.36	36.8	204	42.4	238	199
16 10.0925	2	37.6	92.8	66	79.0	3.0	2	10.4	3.30	31.6	87	42.8	383	135

Table 15. Midwinter Malt Drill Strips MQ for Lebanon, OR in 2015 (Selections)

(2015 Midwinter Malt Barley Drill Strips)

Data Provided by Cereal Crops Research Unit

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)
5 DH 10.1044	2	45.8	94.0	60	79.1	2.6	1	14.8	5.56	39.7	215	88.6	526	289
6 DH120228	2	44.6	96.5	55	79.2	2.8	1	14.2	5.97	44.7	219	92.5	263	310
9 DH130004	2	46.3	97.6	62	78.7	2.7	1	15.2	6.12	40.7	297	73.1	318	299
10 DH120412	2	40.4	93.3	70	78.1	2.7	2	11.8	3.33	29.7	92	41.6	502	130
11 DH130939	2	43.1	96.4	62	78.3	3.0	2	12.2	4.01	33.7	291	36.3	123	156
13 DH130718	2	44.7	96.4	56	80.0	2.4	1	12.8	5.58	44.4	271	100.1	62	286
14 DH130765	2	41.5	94.5	77	79.3	*4.9	1	13.1	5.69	44.0	197	69.1	131	307
16 10.0925	2	48.5	96.3	60	79.6	2.2	1	11.4	4.91	45.3	208	67.3	222	250

Table 16. INUDFOOD MQ Entry list and Pedigrees (selections)

(2014-15 International Food Barley Trial)

Entry	Name	Type	Use	Parentage
3	10.0883	2	Food	KW2-849 x Luca/Waxbar/Luca8
5	10.1151	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
6	10.1154	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
7	10.1328	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
8	10.1332	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
9	10.1661	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
12	10.1986	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
21	10.115	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
23	10.1492	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
24	10.1618	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
26	10.2021	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
29	1-4	2	Food	Himalaya/3/Luca/Waxbar/Luca
30	1-6	2	Food	Himalaya/3/Luca/Waxbar/Luca
40	DH133476	6	Food	2Ab09-X05W048-378HL/Tamalpais
51	DH133783	6	Food	OBADV10-13/Tamalpais
52	DH133904	6	Food	OBADV10-13/Tamalpais
53	DH140015	6	Food	2Ab09-X05W048-378HL/OR101

Table 17. INUDFOOD YT MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 International Food Barley 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)
3 10.0883	2	41.5	91.0	16	87.0	*3.9	1	11.2	5.09	45.7	90	61.3	*916	214
5 10.1151	6	31.5	57.7	22	85.3	2.4	1	10.1	3.46	36.1	101	44.2	268	141
6 10.1154	6	32.8	74.3	18	86.0	2.3	1	10.0	3.85	38.7	129	63.5	355	115
7 10.1328	6	29.8	56.8	12	84.1	2.2	1	11.4	4.24	38.9	135	52.8	704	128
8 10.1332	6	29.4	66.9	2	82.5	1.8	1	12.2	3.83	33.0	149	50.0	*920	152
9 10.1661	6	28.7	*47.5	15	86.4	2.2	1	9.1	3.36	37.3	132	44.5	342	107
12 10.1986	6	33.1	76.4	25	83.1	1.9	1	11.8	3.80	33.2	124	48.7	728	111
21 10.1150	6	33.4	78.4	9	86.0	1.8	1	10.6	3.52	34.3	143	45.5	246	138
23 10.1492	6	30.9	72.4	26	85.7	2.7	2	9.6	3.42	36.7	105	45.3	601	107
24 10.1618	6	29.2	57.2	3	86.1	n.d.	3	9.3	3.56	42.0	108	42.1	565	95
26 10.2021	6	29.8	*32.4	10	84.8	2.5	2	11.9	4.10	37.0	199	57.9	394	129
29 1-4	2	38.3	62.9	16	85.2	2.0	1	11.0	4.11	41.2	114	65.4	524	142
30 1-6	2	37.4	58.9	21	83.8	2.0	1	11.2	4.09	38.2	108	62.0	591	141
40 DH133476	6	31.1	72.4	10	*87.8	3.0	1	11.2	5.35	49.7	135	108.8	*1464	217
51 DH133783	6	33.1	77.5	33	83.6	2.2	1	12.1	4.14	34.8	153	54.7	*948	150
52 DH133904	6	35.0	87.0	23	83.1	2.6	1	11.3	4.02	36.5	149	53.1	*955	133
53 DH140015	6	30.3	*53.3	14	*88.9	3.1	1	10.1	5.28	54.3	214	103.4	316	202

Table 18. OFAYT MQ Entry list and Pedigrees (selections)

(2014-15 Oregon Food Barley Advanced Yield Trial)

Entry	Name	Type	Use	Parentage
6	DH133915	6	Food	DH 10.0655/Tamalpais
8	DH133394	6	Food	Alba/DZ100341
9	DH133460	6	Food	Alba/DZ100341

Table 19. OFAYT MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 Oregon Food 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)
6 DH133915	6	39.6	95.3	15	84.1	1.8	1	13.4	4.32	33.7	*22	48.2	*1547	155
8 DH133394	6	32.9	*38.2	13	84.9	1.8	1	12.3	4.36	36.2	136	51.6	743	148
9 DH133460	6	31.8	62.5	7	84.8	2.0	1	12.2	4.30	36.1	189	48.2	*905	137

Table 20. OFPYT MQ Entry list and Pedigrees (selections)

(2014-15 Oregon Food Barley Preliminary Yield Trial)

Entry	Name	Type	Use	Parentage
1	DH133315	6	Food	Alba/DZ100341
2	DH133323	6	Food	OR101/DZ100341
4	DH133626	6	Food	Alba/DZ100341
13	Buck	6	Food	Strider/Doyce

Table 21. OFPYT MQ for Corvallis, OR in 2014-15 (Selections)

(2014-15 Oregon Food 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)
1 DH133315	6	32.2	*31.9	14	82.7	2.5	2	13.5	4.00	31.2	122	42.9	*1280	130
2 DH133323	6	30.6	87.4	17	85.5	2.7	2	11.7	4.19	38.8	166	63.5	581	146
4 DH133626	6	30.9	*48.3	8	85.5	2.3	1	12.0	4.40	38.9	97	64.2	694	228
13 Buck	6	29.5	*44.6	10	85.8	2.8	2	11.0	3.79	37.7	100	45.7	477	194

Table 22. Morrow County DS MQ Entry list and Pedigrees (selections)

(2014-15 Morrow County Drill Strip Yield Trial)

Entry	Name	Type	Use	Parentage
4	Buck (Jepsen Farm)	6	Food	Strider/Doyce
4	Buck (Starvation Farm)	6	Food	Strider/Doyce

Table 23. Morrow County DS MQ 2014-15 (Selections)

(2014-15 Morrow County Drill Strip 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)
4 Buck (Jepsen Farm)	6	29.7	61.3	30	86.9	n.d.	3	10.8	3.91	37.1	74	43.9	516	127
4 Buck (Starvation Farm)	6	26.4	15.3	75	86.4	n.d.	3	9.7	4.03	44.0	61	50.6	290	144