

Barley Project Malting Quality Data 2012



Skagit Brewing - brewed from Alba. 2012 brew; 2011 crop.

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MQ Table 2012 malt quality data for Oregon State University barley

	Page
2011-12 EW2RMr	
Table 1	3
2	Entry list and Pedigrees Corvallis, OR (selections)
2011-12 EW2RMu	
3	5
4	Entry list and Pedigrees Corvallis, OR (selections)
2011-12 Malt HRBIN	
5	7
6	Entry list and Pedigrees Corvallis, OR (selections)
2011-12 Malt DH SR	
7	9
8	Entry list and Pedigrees Corvallis, OR (selections)
2011-12 TCAP NUE Hi	
9	11
10	Entry list and Pedigrees Corvallis, OR
2011-12 Waxy Food DH	
11	25
12	Entry list and Pedigrees Corvallis, OR (selections)
2011-12 NonWaxy Food DH	
13	27
14	Entry list and Pedigrees Corvallis, OR (selections)
2011-12 Miscellaneous	
15	29
16	Entry list and Pedigrees Corvallis, OR
2011-12 Maja Seeding Rates	
17	31
18	Entry list and Pedigrees Corvallis, OR
2011-12 Wintmalt crosses	
19	33
20	Entry list and Pedigrees Corvallis, OR

MQ Table 1. EW2RMr Entry list for 2011-12

(2011-12 European Winter Barley 2 Row Malting Trial Replicated)

Entry	Name	Type	Use	Parentage
4	29642/2206	2	Malting	IPZ 25485 (Astrid*IPZ 12585)*Labea*Opal * ECK 2488
5	29660/2449	2	Malting	DH_PF 2773(Scylla) * Malwinta
6	29613/2591	2	Malting	sel.BC1 29455/5 (Artist x DH 758-7) x Carrero x Carrero
7	Violetta	2	Malting	Violetta
8	05-5401/01	2	Malting	05-5401/01
9	Famosa	2	Malting	Famosa

MQ Table 2. EW2RMr for Corvallis, OR in 2011-12

(2011-12 European Winter 2-Row Malting Trial - Replicated)

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
4 29642/2206	2	42.5	99.2	23	80.6	1.7	1	11.1	4.38	40.8	141	46.0	142	170	51
5 29660/2449	2	42.5	97.5	28	79.7	1.6	1	10.5	4.00	39.1	95	41.3	118	137	31
6 29613/2591	2	49.7	98.9	34	80.6	2.2	2	11.2	4.15	37.9	158	36.5	273	141	38
7 Violetta	2	42.7	99.1	26	80.9	1.7	1	11.6	4.77	43.4	202	54.9	149	187	61
8 05-5401/01	2	38.9	93.3	33	79.9	1.7	1	11.0	4.21	40.2	178	55.9	117	158	51
9 Famosa	2	42.6	95.1	32	76.7	2.5	2	11.2	3.54	33.3	137	35.6	568	140	28

MQ Table 3. EW2RMu Entry list for 2011-12

(2011-12 European Winter Barley 2 Row Malting Trial Unreplicated)

Entry	Name	Type	Use	Parentage
3	Charles	2	Malting	Bearpaw/81Ab1702
4	Finesse	2	Malting	
5	04/153/2	2	Malting	
6	05/141/27	2	Malting	
7	04/124/5	2	Malting	
8	04/028/36	2	Malting	
9	KWS Ariane	2	Malting	
10	KW 2 117	2	Malting	
11	Nectaria	2	Malting	
12	Mystic	2	Malting	
13	Boreale	2	Malting	
14	Salamandre	2	Malting	
15	Cassiopee	2	Malting	
16	2692/2024	2	Malting	WI 7*Regina*Regina*Regina
17	29635/2171	2	Malting	IPZ 25739 Carola*Opal* IPZ 25485 (Astrid*IPZ 12585)*Labea*Opal
18	29621/2619	2	Malting	sel.BC1 29458/6 (Artist x DH 758-2) x Carrero x Mombasa

MQ Table 4. EW2RMu for Corvallis, OR in 2011-12

(2011-12 European Winter 2-Row Malting Trial - Unreplicated)

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
3 Charles	2	25.8	*80.8	32	76.6	2.1	1	12.8	5.23	43.4	173	98.2	291	252	43
4 Finesse	2	39.6	96.9	36	77.2	1.8	1	11.1	3.90	36.5	81	43.6	492	190	26
5 04/153/2	2	41.4	93.8	26	79.6	n.d.	3	10.8	4.08	39.6	147	50.1	151	180	38
6 05/141/27	2	32.9	85.7	25	75.5	1.8	1	11.8	3.77	34.5	135	40.9	428	158	26
7 04/124/5	2	36.4	96.8	29	79.3	1.8	1	11.7	4.32	39.7	140	49.4	203	217	40
8 04/028/36	2	47.6	98.7	25	81.6	1.6	1	11.5	4.53	42.3	168	49.5	54	221	67
9 KWS Ariane	2	40.1	96.5	32	80.3	1.8	1	10.4	4.11	41.9	141	48.8	52	195	54
10 KW 2 117	2	36.2	92.5	22	80.4	1.9	1	10.3	3.95	41.2	137	52.2	30	186	48
11 Nectaria	2	42.5	95.5	29	80.7	1.6	1	11.4	4.61	42.0	177	63.5	220	220	60
12 Mystic	2	37.1	92.2	25	79.0	2.6	1	10.8	4.25	42.2	136	46.2	249	211	40
13 Boreale	2	38.7	90.4	25	79.1	1.5	1	12.4	4.51	38.5	183	58.0	585	202	49
14 Salamandre	2	41.3	94.7	24	80.1	1.4	1	11.9	4.30	38.5	149	57.8	419	206	50
15 Cassiopee	2	40.3	96.0	26	80.7	1.5	1	11.3	4.51	40.2	168	63.5	295	210	59
16 2692/2024	2	43.6	97.1	30	81.3	1.4	1	11.1	4.75	46.9	165	51.4	272	228	63
17 29635/2171	2	47.8	99.2	36	79.7	1.5	1	10.9	4.21	42.5	99	57.4	520	194	44
18 29621/2619	2	44.4	96.9	26	81.2	1.4	1	11.8	4.92	43.7	160	58.6	254	223	63

MQ Table 5. Malt HRBIN Entry list for 2011-12

(2011-12 Malt Head Row Bulk Increase)

Entry	Name	Type	Use	Parentage
3	10.0626	2	Malting	Wintmalt/Bari 2B08-3145
4	10.0627	2	Malting	Wintmalt/Bari 2B08-3145
14	10.0834	2	Malting	Wintmalt/Bari 2B08-3145
16	10.0736	2	Malting	Wintmalt/Bari 2B08-3149
18	10.0739	2	Malting	Wintmalt/Bari 2B08-3149
19	10.0740	2	Malting	Wintmalt/Bari 2B08-3149
23	10.0761	2	Malting	Wintmalt/Bari 2B08-3149
24	10.0764	2	Malting	Wintmalt/Bari 2B08-3149
26	10.0835	2	Malting	Wintmalt/Bari 2B08-3149
28	10.0844	2	Malting	Wintmalt/Bari 2B08-3149
30	10.0777	2	Malting	Wintmalt/Charles
31	10.0782	2	Malting	Wintmalt/Charles
32	10.0787	2	Malting	Wintmalt/Charles
33	10.0791	2	Malting	Wintmalt/Charles
34	10.0849	2	Malting	Wintmalt/Charles
36	10.0852	2	Malting	Wintmalt/Charles
37	10.0856	2	Malting	Wintmalt/Charles
38	10.0860	2	Malting	Wintmalt/Charles

MQ Table 6. Malt HRBIN for Corvallis, OR in 2011-12

(2011-12 Malt Head Row Bulk Increase)

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
3 10.0626	2	37.9	95.6	26	80.7	2.1	1	10.7	4.04	39.5	120	68.0	270	185	39
4 10.0627	2	35.6	92.6	33	82.6	2.5	1	9.7	5.20	58.2	117	108.6	39	288	52
14 10.0834	2	39.6	95.1	26	82.2	1.6	1	10.1	4.45	48.7	116	62.7	37	219	54
16 10.0736	2	37.6	97.1	31	80.9	2.4	1	9.4	4.42	49.8	117	64.1	28	221	49
18 10.0739	2	44.1	96.3	26	82.6	2.4	1	8.9	4.98	58.1	106	99.1	42	276	57
19 10.0740	2	43.4	97.7	22	82.8	2.0	1	9.4	5.21	60.1	106	99.4	85	286	57
23 10.0761	2	40.4	96.8	28	82.3	2.4	1	8.9	4.98	61.1	75	98.0	30	279	52
24 10.0764	2	34.9	96.7	25	83.7	2.2	1	8.4	4.67	60.7	105	109.1	23	246	52
26 10.0835	2	40.7	96.6	23	82.2	2.1	1	9.8	4.61	51.5	120	70.6	36	237	56
28 10.0844	2	41.0	95.2	28	83.8	2.3	1	9.3	4.95	59.2	113	93.7	55	282	56
30 10.0777	2	38.2	96.6	27	83.3	2.4	1	9.5	5.22	60.2	116	122.3	21	294	54
31 10.0782	2	36.2	96.1	33	81.8	2.2	1	10.1	5.26	55.9	126	100.7	71	272	55
32 10.0787	2	37.5	97.1	27	81.4	1.3	1	9.7	3.91	42.6	115	53.3	123	178	41
33 10.0791	2	41.2	97.4	33	81.2	1.6	1	9.5	4.17	48.8	89	59.1	256	191	41
34 10.0849	2	35.4	95.7	35	82.2	1.6	1	9.5	4.16	48.8	113	74.8	62	198	48
36 10.0852	2	38.4	96.6	39	81.7	1.7	1	10.2	5.15	54.6	122	109.6	107	289	53
37 10.0856	2	41.5	98.0	34	84.0	1.7	1	9.9	4.90	54.1	150	82.6	38	225	59
38 10.0860	2	40.2	98.1	37	83.0	2.0	1	10.7	5.11	52.7	126	92.5	79	241	59

MQ Table 7. Malt DH SR Entry list for 2011-12

(2011-12 Malt Double Haploid Single Rows)

Entry	Name	Type	Use	Parentage
1	10.1716	2	Malting	Wintmalt/Bari 2B08-3149
3	10.1728	2	Malting	Wintmalt/Bari 2B08-3149
7	10.1734	2	Malting	Wintmalt/Charles
9	10.1736	2	Malting	Wintmalt/Charles
12	10.2048	2	Malting	Wintmalt/Bari 3140
13	10.2049	2	Malting	Wintmalt/Bari 3140

MQ Table 8. Malt DH SR for Corvallis, OR in 2011-12

(2011-12 Malt Double Haploid Single Rows)

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 10.1716	2	40.5	94.2	38	81.0	2.8	1	11.3	5.64	*53.6	135	*90.5	97	*258	60
3 10.1728	2	38.7	97.0	30	79.1	3.3	1	11.7	4.14	37.6	148	48.1	112	150	40
7 10.1734	2	45.4	99.2	41	79.6	1.5	1	10.5	3.69	36.8	106	51.3	261	129	35
9 10.1736	2	45.8	98.2	31	78.7	1.9	1	*14.2	4.98	36.7	214	62.9	233	179	37
12 10.2048	2	41.7	98.9	29	81.0	2.0	1	11.6	5.28	48.8	151	*99.5	196	201	54
13 10.2049	2	45.3	98.6	34	79.9	1.7	1	10.8	4.14	40.4	155	63.1	166	146	46

MQ Table 9. TCAP NUE High Entry list for 2011-12

(2011-12 TCAP Nitrogen Use Efficiency High Nitrogen)

Entry	Name	Type	Use	Parentage
TC6W-001	OR76	6	Malting	STAB 47/KAB 51
TC6W-002	OR77	6	Feed	Strider/Orca
TC6W-003	OR813	6	Malting	Stab 47/Kab51
TC6W-004	OR815	6	Malting	CC99B
TC6W-005	OR816	6	Malting	CC99B
TC6W-006	OR818	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-007	Maja	6	Malting	Bu27/Stab 47/3/Maja/Stab 47
TC6W-008	OR91	6	Malting	Bu27/Stab 47/3/Maja/Stab 47
TC6W-009	OR92	6	Malting	Bu27/Stab 47/3/Maja/Stab 47
TC6W-010	OR97	6	Malting	Bu27/Stab 47/3/Maja/Stab 47
TC6W-011	OR98	6	Malting	Bu27/Stab 47/3/Maja/Stab 47
TC6W-012	OR910	6	Malting	Kab51/Excel//Maja//Stab7/Maja
TC6W-013	OR915	6	Malting	StabBC 42///Kab 51/Legacy//Kab 51
TC6W-014	OR101	6	Malting	StabBC 42/Stab 7
TC6W-015	OR102	6	Malting	StabBC 42/3/Kab51/Legacy//Kab51
TC6W-016	OR103	6	Malting	StabBC 50/Maja
TC6W-017	OR104	6	Malting	StabBC 50/Maja
TC6W-018	OR105	6	Malting	StabBC 50/Maja
TC6W-019	OR106	6	Malting	J2//Maja/Kab 47
TC6W-020	OR107	6	Malting	J2/Maja
TC6W-021	OR108	6	Malting	J2/Maja
TC6W-022	OR109	6	Malting	StabBC 42/Stab 7
TC6W-023	OR110	6	Malting	StabBC 42/3/Kab51/Legacy//Kab51
TC6W-024	OR111	6	Malting	StabBC 50/Maja
TC6W-025	OR112	6	Malting	StabBC 50/Maja
TC6W-026	OR113	6	Malting	Strider/3/Maja/Legacy//Maja
TC6W-027	OR114	6	Malting	NB3437f/OR71
TC6W-028	Strider	6	Feed	NB3437f/OR72
TC6W-029	Eight-Twelve	6	Malting	NB3437f/OR76
TC6W-030	OBADV11-2	6	Malting	NB3437f/OR71
TC6W-031	OBADV11-6	6	Malting	NB3437f/OR71
TC6W-032	OBADV11-13	6	Malting	NB3437f/OR71
TC6W-033	OBADV11-14	6	Malting	NB3437f/OR71
TC6W-034	OBADV11-17	6	Malting	NB3437f/OR71
TC6W-035	OBADV11-26	6	Malting	NB3437f/OR71
TC6W-036	OBADV11-29	6	Malting	P713/OR71
TC6W-037	OBADV11-30	6	Malting	P713/OR71
TC6W-038	OBADV11-31	6	Malting	P713/OR71
TC6W-039	PO71DH-84	6	Malting	P713/OR71
TC6W-040	PO71DH-87	6	Malting	P713/OR71
TC6W-041	PO71DH-94	6	Malting	Maja/Legacy//Maja/3/Kab 47
TC6W-042	PO71DH-104	6	Malting	StabBC 50/Maja
TC6W-043	PO71DH-111	6	Malting	StabBC 42//Bu 37/Maja
TC6W-044	PYT211-6	6	Malting	StabBC 42-3-4//Bu 37/Maja
TC6W-045	PYT211-10	6	Malting	StabBC 42//Bu 37/Maja
TC6W-046	2011-F5-2-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-047	2011-F5-3-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-048	2011-F5-3-2	6	Malting	StabBC 42//Bu 37/Maja

TC6W-049	2011-F5-4-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-050	2011-F5-4-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-051	2011-F5-5-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-052	2011-F5-7-1	6	Malting	StabBC 50/Maja
TC6W-053	2011-F5-7-3	6	Malting	StabBC 50/Maja
TC6W-054	2011-F5-7-4	6	Malting	StabBC 50//Bu 37/Maja
TC6W-055	2011-F5-8-2	6	Malting	StabBC 50//Bu 37/Maja
TC6W-056	2011-F5-8-3	6	Malting	StabBC 42//Bu 37/Maja
TC6W-057	2011-F5-9-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-058	2011-F5-9-3	6	Malting	StabBC 42//Bu 37/Maja
TC6W-059	2011-F5-16-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-060	2011-F5-16-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-061	2011-F5-16-3	6	Malting	StabBC 42//Bu 37/Maja
TC6W-062	2011-F5-16-4	6	Malting	StabBC 42//Bu 37/Maja
TC6W-063	2011-F5-17-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-064	2011-F5-22-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-065	2011-F5-22-3	6	Malting	StabBC 42//Bu 37/Maja
TC6W-066	2011-F5-23-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-067	2011-F5-24-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-068	2011-F5-25-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-069	2011-F5-25-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-070	2011-F5-27-1	6	Malting	StabBC 50/Maja
TC6W-071	2011-F5-27-2	6	Malting	StabBC 50//Bu 37/Maja
TC6W-072	2011-F5-27-3	6	Malting	UTWB940119/StabBC 50
TC6W-073	2011-F5-29-1	6	Malting	UTWB940119/StabBC 50
TC6W-074	2011-F5-32-1	6	Malting	UTWB940119/J1
TC6W-075	2011-F5-35-1	6	Malting	UTWB940119/J1
TC6W-076	2011-F5-35-2	6	Malting	UTWB940119/J1
TC6W-077	2011-F5-36-1	6	Malting	UTWB940119/J1
TC6W-078	2011-F5-36-2	6	Malting	UTWB940119/J1
TC6W-079	2011-F5-36-3	6	Malting	UTWB940119/J1
TC6W-080	2011-F5-37-1	6	Malting	UTWB940119/J1
TC6W-081	2011-F5-37-2	6	Malting	UTWB940119/J1
TC6W-082	2011-F5-37-3	6	Malting	StabBC 42//Bu 37/Maja
TC6W-083	2011-F5-37-4	6	Malting	StabBC 42//Bu 37/Maja
TC6W-084	2011-F5-37-5	6	Malting	StabBC 42//Bu 37/Maja
TC6W-085	2011-F5-47-1	6	Malting	StabBC 42//Bu 37/Maja
TC6W-086	2011-F5-47-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-087	2011-F5-47-3	6	Malting	StabBC 42//Bu 37/Maja
TC6W-088	2011-F5-48-1	6	Malting	StabBC 42/Maja
TC6W-089	2011-F5-49-1	6	Malting	StabBC 50/Maja
TC6W-090	2011-F5-50-1	6	Malting	StabBC 50/Maja
TC6W-091	2011-F5-52-1	6	Malting	UTWB940119/J1
TC6W-092	2011-F5-52-2	6	Malting	UTWB940119/J1
TC6W-093	2011-F5-52-3	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-094	2011-F5-55-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-095	2011-F5-55-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-096	2011-F5-56-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-097	2011-F5-56-3	6	Malting	Stab 47/Kab 51//StabBC
TC6W-098	2011-F5-57-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-099	2011-F5-58-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-100	2011-F5-59-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-101	2011-F5-59-2	6	Malting	J1//Stab 47/Excel//Stab 47
TC6W-102	2011-F5-60-1	6	Malting	J2//Stab 47/Excel//Stab 47

TC6W-103	2011-F5-60-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-104	2011-F5-63-1	6	Malting	Kab 51/Excel//Maja/3/Stab 7/Maja
TC6W-105	2011-F5-63-2	6	Malting	Kab 51/Excel//Maja/3/Stab 7/Maja
TC6W-106	2011-F5-64-1	6	Malting	UTWB940119/StabBC 50
TC6W-107	2011-F5-66-2	6	Malting	UTWB940119/StabBC 50
TC6W-108	2011-F5-66-3	6	Malting	UTWB940119/StabBC 50
TC6W-109	2011-F5-72-1	6	Malting	UTWB940119/StabBC 50
TC6W-110	2011-F5-72-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-111	2011-F5-72-3	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-112	2011-F5-72-4	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-113	2011-F5-75-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-114	2011-F5-76-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-115	2011-F5-76-2	6	Malting	Stab 47/Kab 51//StabBC 50
TC6W-116	2011-F5-76-3	6	Malting	StabBC 42//Stab 47/Kab 51
TC6W-117	2011-F5-76-4	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-118	2011-F5-79-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-119	2011-F5-83-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-120	2011-F5-84-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-121	2011-F5-84-2	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-122	2011-F5-85-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-123	2011-F5-85-2	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-124	2011-F5-86-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-125	2011-F5-86-2	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-126	2011-F5-87-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-127	2011-F5-88-1	6	Malting	StabBC 182///Kab 47/Excel//Stab 47/Excel
TC6W-128	2011-F5-88-2	6	Malting	StabBC 182///Kab 47/Excel//Stab 47/Excel
TC6W-129	2011-F5-88-3	6	Malting	StabBC 182///Kab 47/Excel//Stab 47/Excel
TC6W-130	2011-F5-90-4	6	Malting	StabBC ///Kab 47/Excel//Stab 47/Excel
TC6W-131	2011-F5-90-5	6	Malting	J2///Kab 51/Excel//Kab 51
TC6W-132	2011-F5-91-1	6	Malting	J1///Kab 51/Excel//Kab 51
TC6W-133	2011-F5-91-2	6	Malting	J1///Stab 47/Excel//StabBC 42
TC6W-134	2011-F5-93-1	6	Malting	J1///Stab 47/Excel//StabBC 42
TC6W-135	2011-F5-94-1	6	Malting	J2///Stab 47/Excel//Stab 47
TC6W-136	2011-F5-95-1	6	Malting	J2///Stab 47/Excel//Stab 47
TC6W-137	2011-F5-96-1	6	Malting	J1///Stab 47/Excel//StabBC 42
TC6W-138	2011-F5-96-2	6	Malting	J1///Stab 47/Excel//StabBC
TC6W-139	2011-F5-96-3	6	Malting	J1///Stab 47/Excel//Stab 47
TC6W-140	2011-F5-96-4	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-141	2011-F5-97-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-142	2011-F5-99-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-143	2011-F5-105-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-144	2011-F5-105-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-145	2011-F5-105-3	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-146	2011-F5-105-4	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-147	2011-F5-106-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-148	2011-F5-106-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-149	2011-F5-107-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-150	2011-F5-108-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-151	2011-F5-109-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-152	2011-F5-109-2	6	Malting	Stab 47/Kab 51//StabBC 42-14
TC6W-153	2011-F5-109-3	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-154	2011-F5-110-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-155	2011-F5-112-1	6	Malting	Stab 47/Kab 51//StabBC 50
TC6W-156	2011-F5-112-2	6	Malting	Stab 47/Kab 51//StabBC 50

TC6W-157	2011-F5-112-3	6	Malting	Stab 47/Kab 51//StabBC 50
TC6W-158	2011-F5-113-1	6	Malting	Stab 47/Kab 51//StabBC 50
TC6W-159	2011-F5-113-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-160	2011-F5-113-3	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-161	2011-F5-115-1	6	Malting	Stab 47/Kab 51//StabBC 42-4
TC6W-162	2011-F5-118-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-163	2011-F5-119-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-164	2011-F5-119-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-165	2011-F5-120-1	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-166	2011-F5-120-2	6	Malting	Stab 47/Kab 51//StabBC
TC6W-167	2011-F5-120-3	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-168	2011-F5-121-1	6	Malting	Stab 47/Kab 51//StabBC
TC6W-169	2011-F5-121-2	6	Malting	Stab 47/Kab 51//StabBC 42
TC6W-170	2011-F5-121-3	6	Malting	Stab 47/Kab 51//J1
TC6W-171	2011-F5-121-4	6	Malting	Stab 47/Kab 51//J1
TC6W-172	2011-F5-121-5	6	Malting	Stab 47/Kab 51//J1
TC6W-173	2011-F5-122-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-174	2011-F5-123-1	6	Malting	StabBC 182//Stab 47/Kab 51
TC6W-175	2011-F5-124-1	6	Malting	StabBC 182///K47/Excel//Stab 47/Excel
TC6W-176	2011-F5-126-1	6	Malting	StabBC 42//Stab 47/Kab 51
TC6W-177	2011-F5-126-2	6	Malting	StabBC 42//Bu 37/Maja
TC6W-178	2011-F5-129-1	6	Malting	J1///Kab 51/Excel//Kab 51
TC6W-179	2011-F5-131-1	6	Malting	J1///Kab 51/Excel//Kab 51
TC6W-180	2011-F5-132-1	6	Malting	J2///Kab 51/Excel//Kab 51
TC6W-181	2011-F5-134-1	6	Malting	J1///Stab 47/Excel//StabBC 42
TC6W-182	2011-F5-134-2	6	Malting	J1///Stab 47/Excel//StabBC
TC6W-183	2011-F5-134-3	6	Malting	J2///Stab 47/Excel//Stab 47
TC6W-184	2011-F5-135-1	6	Malting	J1///Stab 47/Excel//StabBC 42
TC6W-185	2011-F5-135-2	6	Malting	UTWB940119/J1
TC6W-186	2011-F5-135-3	6	Malting	StabBC 50/Maja
TC6W-187	2011-F5-135-4	6	Malting	StabBC 50/Maja
TC6W-188	2011-F5-136-1	6	Malting	StabBC 50/Maja
TC6W-189	2011-F5-140-1	6	Malting	StabBC 50/Maja
TC6W-190	2011-F5-140-2	6	Malting	StabBC 50/Maja
TC6W-191	2011-F5-141-1	6	Malting	Stab 47/Kab 51
TC6W-192	2011-F5-141-3	6	Malting	Maja/Kab 50
TC6W-193	2011-F5-141-5	6	Malting	Maja/Kab 50
TC6W-194	06OR-9	6	Malting	Stab 47/Kab 51
TC6W-195	06OR-10	6	Malting	Stab 47/Kab 51
TC6W-196	06OR-20	6	Malting	Stab 47/Excel
TC6W-197	06OR-22	6	Malting	Stab 47/Kab 51
TC6W-198	06OR-37	6	Malting	StabBC 42
TC6W-199	06OR-38	6	Malting	Stab 7/Kab 41
TC6W-200	06OR-40	6	Malting	Stab 47/Kab 51
TC6W-201	06OR-41	6	Malting	StabBC 42
TC6W-202	06OR-42	6	Malting	Stab 47/Kab 51
TC6W-203	06OR-43	6	Malting	Maja/Kab 50
TC6W-204	06OR-44	6	Malting	Stab 7
TC6W-205	06OR-45	6	Malting	Stab 47/Excel//Stab 47
TC6W-206	06OR-46	6	Malting	Stab 47/Excel//Stab 47
TC6W-207	06OR-47	6	Malting	Kab51/Excel//Kab51
TC6W-208	06OR-51	6	Malting	Kab51/Excel//Stab 47/Excel
TC6W-209	06OR-52	6	Malting	Kab51/Excel//Stab 47/Excel
TC6W-210	06OR-57	6	Malting	Kold/88Ab536

TC6W-211	06OR-58	6	Malting	Stab 47/Excel//Stab 47
TC6W-212	06OR-59	6	Malting	Kab51/Legacy//Kab51
TC6W-213	06OR-62	6	Malting	Stab 47/Excel//Stab 47
TC6W-214	06OR-75	6	Malting	Kab51/Excel//Kab51
TC6W-215	06OR-76	6	Malting	Stab 47/Excel//Stab 47
TC6W-216	06OR-78	6	Malting	Stab 47/Excel//Stab 47
TC6W-217	06OR-79	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-218	06OR-87	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-219	06OR-91	6	Malting	Bu 27/Stab 47/3/Maja/StabBC 42
TC6W-220	06OR-95	6	Malting	Bu 27/Stab 47/3/Maja/StabBC 42
TC6W-221	07OR-3	6	Malting	Bu 27/Stab 47/3/Maja/StabBC 42
TC6W-222	07OR-4	6	Malting	Bu 27/Stab 47/3/Maja/StabBC
TC6W-223	07OR-5	6	Malting	Bu 27/Stab 47/3/Maja/StabBC 42
TC6W-224	07OR-6	6	Malting	Stab 47/Kab 51
TC6W-225	07OR-7	6	Malting	Maja/Kab 50//Kab 37
TC6W-226	07OR-8	6	Malting	Maja/Kab 50//Maja
TC6W-227	07OR-9	6	Malting	CC99A
TC6W-228	07OR-21	6	Malting	CC99A
TC6W-229	07OR-55	6	Malting	CC99A
TC6W-230	07OR-57	6	Malting	CC99A
TC6W-231	07OR-58	6	Malting	CC99A
TC6W-232	07OR-59	6	Malting	CC99A
TC6W-233	07OR-62	6	Malting	StabBC 42/Stab 7
TC6W-234	07OR-63	6	Malting	StabBC 42//Kab 51/Legacy//Kab 51
TC6W-235	07OR-64	6	Malting	StabBC 42/3/Kab 51/Legacy//Kab 51
TC6W-236	07OR-65	6	Malting	StabBC 42/3/Kab 51/Legacy//Kab 51
TC6W-237	08OR-30	6	Malting	StabBC 42/3/Kab 51/Legacy//Kab 51
TC6W-238	08OR-40	6	Malting	StabBC 42/3/Kab 51/Legacy//Kab 51
TC6W-239	08OR-41	6	Malting	J2//Maja/Kab 47
TC6W-240	08OR-44	6	Malting	StabBC 50/Maja
TC6W-241	08OR-45	6	Malting	StabBC 50/Maja
TC6W-242	08OR-46	6	Malting	StabBC 50/Maja
TC6W-243	08OR-47	6	Malting	StabBC 50/Maja
TC6W-244	08OR-48	6	Malting	StabBC 50/Maja
TC6W-245	08OR-49	6	Malting	StabBC 50/Maja
TC6W-246	08OR-50	6	Malting	StabBC 50//Maja/K47
TC6W-247	08OR-52	6	Malting	Strider/3/Maja/Legacy//Maja
TC6W-248	08OR-53	6	Malting	Maja/L//Maja/3/Kab 47
TC6W-249	08OR-54	6	Malting	Kab 51/Excel//Maja/3/J2
TC6W-250	08OR-56	6	Malting	Maja/Legacy//Maja//Stab 7/Kab 43
TC6W-251	08OR-58	6	Malting	Maja/Legacy//Maja/3/Stab 7/Kab 43
TC6W-252	08OR-69	6	Malting	Maja/L//Maja/3/Stab 47/Kab 51
TC6W-253	08OR-73	6	Malting	Maja/Legacy//Maja/3/Doyce
TC6W-254	08OR-79	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-255	08OR-80	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-256	08OR-81	6	Malting	Bu 27/Stab 47//Maja/Stab 47
TC6W-257	08OR-96	6	Malting	Bu 27/Stab 47//Maja/Stab 47
TC6W-258	2011-Short-8	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-259	2011-Short-9	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-260	2011-Short-11	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-261	2011-Short-12	6	Malting	Bu 27/Stab 47/3/Maja/Stab 47
TC6W-262	2011-Short-13	6	Malting	TAMBAR 501 / M115//M115
TC6W-263	2011-Short-14	6	Malting	TAMBAR 501 / M115//M115
TC6W-264	2011-Short-15	6	Malting	TAMBAR 501 / M115//M115

TC6W-265	2011-Short-16	6	Malting	TAMBAR 501 / M115/M115
TC6W-266	MW10S4116-001	6	Malting	TAMBAR 501 / M115/M115
TC6W-267	MW10S4116-002	6	Malting	NB99845 / M115/M115
TC6W-268	MW10S4116-003	6	Malting	NB99845 / M115/M115
TC6W-269	MW10S4116-004	6	Malting	NB99845 / M115/M115
TC6W-270	MW10S4116-005	6	Malting	NB99845 / M115/M115
TC6W-271	MW10S4118-001	6	Malting	NB99845 / M115/M115
TC6W-272	MW10S4118-002	6	Malting	NB99845 / M115/M115
TC6W-273	MW10S4118-003	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-274	MW10S4118-004	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-275	MW10S4118-005	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-276	MW10S4118-006	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-277	MW10S4120-001	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-278	MW10S4120-002	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-279	MW10S4120-003	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-280	MW10S4120-004	6	Malting	88ab536 /Rasmusson//Rasmusson
TC6W-281	MW10S4120-005	6	Malting	88ab536/M115//M115
TC6W-282	MW10S4120-006	6	Malting	88ab536/M115//M115
TC6W-283	MW10S4120-007	6	Malting	88ab536/M115//M115
TC6W-284	MW10S4120-008	6	Malting	88ab536/M115//M115
TC6W-285	MW10S4122-001	6	Malting	88ab536/M115//M115
TC6W-286	MW10S4122-002	6	Malting	88ab536/M115//M115
TC6W-287	MW10S4122-003	6	Malting	88ab536/M115//M115
TC6W-288	MW10S4122-004	6	Malting	88ab536/M115//M115
TC6W-289	MW10S4122-005	6	Malting	TAMBAR 501 / FEG188-02
TC6W-290	MW10S4122-006	6	Malting	TAMBAR 501 / FEG188-02
TC6W-291	MW10S4122-007	6	Malting	NB99845 / M115
TC6W-292	MW10S4122-008	6	Malting	NB99845 / M115
TC6W-293	MW09S4076-001	6	Malting	88ab536 / Rasmusson
TC6W-294	MW09S4076-002	6	Malting	OR72 / FEG183-28
TC6W-295	MW09S4078-001	6	Malting	OR76 / M115
TC6W-296	MW09S4078-002	6	Malting	OR76 / Quest
TC6W-297	MW09S4080-001	6	Malting	88ab536 / Rasmusson (MW08-10)
TC6W-298	MW09S4082-001	6	Malting	OR72 / FEG183-28 (MW08-11)
TC6W-299	MW09S4085-001	6	Malting	OR76 / M115 (MW08-12)
TC6W-300	MW09S4086-001	6	Malting	OR76 / Quest (MW08-15)

MQ Table 10. TCAP NUE High for Corvallis, OR in 2011-12

(2011-12 TCAP Nitrogen Use Efficiency High Nitrogen)

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
TC6W-001 OR76	6	38.9	98.7	41	80.4	1.2	1	10.6	4.46	44.4	81	63.9	479	147	39
TC6W-002 OR77	6	41.1	96.7	47	79.6	1.0	1	10.1	4.01	40.8	81	51.6	683	121	34
TC6W-003 OR813	6	37.5	97.9	38	80.2	1.3	1	11.8	4.78	42.6	100	69.0	488	167	44
TC6W-004 OR815	6	38.6	96.6	36	80.6	1.2	1	11.2	4.51	40.5	101	60.1	622	151	34
TC6W-005 OR816	6	34.9	96.8	35	81.7	1.2	1	10.6	4.27	41.5	106	50.7	544	147	34
TC6W-006 OR818	6	36.3	96.6	25	81.2	1.4	1	11.3	5.26	47.9	129	81.5	524	194	48
TC6W-007 Maja	6	27.9	*78.9	35	77.8	1.4	1	12.2	5.05	43.0	180	72.1	262	187	41
TC6W-008 OR91	6	35.4	97.4	30	81.3	2.1	1	11.1	5.15	47.8	136	86.9	436	246	46
TC6W-009 OR92	6	34.8	98.0	32	81.4	2.1	1	10.9	4.96	47.1	132	92.3	317	259	46
TC6W-010 OR97	6	34.7	96.8	30	81.3	2.1	1	11.2	5.12	48.1	133	81.5	478	256	46
TC6W-011 OR98	6	35.1	96.3	19	81.4	2.1	1	11.8	5.31	45.9	125	82.0	508	245	60
TC6W-012 OR910	6	33.2	96.9	21	81.1	2.1	1	11.6	5.36	47.1	127	88.9	448	250	55
TC6W-013 OR915	6	33.5	94.0	37	79.7	1.6	1	10.5	4.20	41.0	101	65.1	468	195	37
TC6W-014 OR101	6	35.9	97.8	34	81.0	1.8	1	11.0	4.67	44.3	126	61.0	421	240	48
TC6W-015 OR102	6	43.1	96.6	36	77.2	1.7	1	10.9	3.79	36.3	92	50.0	711	153	24
TC6W-016 OR103	6	40.8	97.3	30	80.8	1.8	1	10.3	4.22	43.5	99	59.6	694	178	39
TC6W-017 OR104	6	38.0	98.2	34	80.3	1.6	1	11.6	4.38	38.9	121	59.4	497	182	43
TC6W-018 OR105	6	40.1	98.4	32	80.1	1.7	1	11.3	4.30	39.5	114	63.5	452	180	34
TC6W-019 OR106	6	39.6	97.8	36	78.6	1.6	1	11.8	4.26	38.2	147	58.7	593	189	43
TC6W-020 OR107	6	38.7	97.6	26	80.3	1.8	1	11.3	4.05	37.9	110	57.7	622	162	34
TC6W-021 OR108	6	36.0	95.2	42	79.4	1.6	1	11.0	4.00	38.8	110	57.2	558	145	34
TC6W-022 OR109	6	32.9	95.9	32	81.4	1.7	1	11.4	4.71	42.8	115	68.7	502	204	44
TC6W-023 OR110	6	40.2	98.1	47	80.0	1.5	1	10.5	4.06	40.7	110	47.7	600	148	31
TC6W-024 OR111	6	44.2	97.7	47	77.8	1.7	1	11.7	4.63	41.1	97	52.1	742	169	33
TC6W-025 OR112	6	42.7	99.3	35	80.2	1.7	1	11.3	4.49	40.6	113	63.1	442	181	34
TC6W-026 OR113	6	40.9	98.6	33	79.6	1.7	1	12.5	4.84	39.5	139	68.2	328	194	49
TC6W-027 OR114	6	39.8	98.3	28	79.0	1.8	1	11.3	4.25	38.4	115	51.6	614	162	31
TC6W-028 Strider	6	39.0	95.8	29	78.3	*2.8	2	11.4	3.77	34.0	61	40.3	797	124	27
TC6W-029 Eight-Twelve	6	37.7	94.9	28	77.1	2.3	2	11.8	4.58	40.3	119	47.3	704	176	25
TC6W-030 OBADV11-2	6	38.2	98.1	41	78.8	1.6	1	11.5	3.91	35.4	79	45.9	747	140	33
TC6W-031 OBADV11-6	6	39.0	98.3	32	75.6	n.d.	3	11.1	3.25	29.4	85	29.1	792	97	15
TC6W-032 OBADV11-13	6	40.5	97.6	35	75.8	*2.6	2	11.9	3.94	34.7	122	34.3	730	131	25
TC6W-033 OBADV11-14	6	39.2	98.4	47	77.3	1.4	1	12.3	3.85	31.3	79	38.8	791	130	22
TC6W-034 OBADV11-17	6	38.0	98.6	31	76.4	n.d.	3	13.0	4.08	31.7	90	34.3	763	138	20

TC6W-035	OBADV11-26	6	44.5	99.1	45	75.4	2.4	2	11.9	3.70	31.5	83	32.4	743	115	21
TC6W-036	OBADV11-29	6	33.7	92.6	38	75.5	*3.0	2	11.2	3.21	29.4	81	28.1	864	92	16
TC6W-037	OBADV11-30	6	41.4	97.5	31	*73.3	1.7	1	13.4	3.77	29.6	93	37.1	594	118	22
TC6W-038	OBADV11-31	6	32.8	98.1	36	77.2	n.d.	3	11.5	3.69	33.2	81	29.8	667	114	20
TC6W-039	PO71DH-84	6	35.6	97.6	41	80.5	1.7	1	10.1	4.12	40.8	82	50.7	496	150	34
TC6W-040	PO71DH-87	6	45.8	99.4	26	81.1	n.d.	3	10.9	3.87	37.5	86	50.7	591	131	32
TC6W-041	PO71DH-94	6	38.6	98.2	42	77.2	1.4	1	13.2	4.28	33.0	101	51.0	513	154	29
TC6W-042	PO71DH-104	6	36.3	97.1	33	77.8	*2.9	2	11.8	4.17	35.4	104	44.7	689	159	29
TC6W-043	PO71DH-111	6	31.8	95.9	31	78.4	2.0	1	11.2	4.30	40.3	97	54.7	684	176	30
TC6W-044	PYT211-6	6	37.0	97.6	35	79.7	2.1	1	12.3	5.60	47.0	128	74.5	242	257	60
TC6W-045	PYT211-10	6	35.9	96.9	36	80.3	1.8	1	12.6	4.90	40.4	176	71.2	330	200	52
TC6W-046	2011-F5-2-1	6	34.6	94.8	35	81.4	2.1	1	9.9	4.55	48.2	83	89.7	294	196	37
TC6W-047	2011-F5-3-1	6	33.1	95.9	37	79.8	1.8	1	11.1	4.43	40.6	115	61.5	595	177	34
TC6W-048	2011-F5-3-2	6	38.3	97.9	33	79.5	2.0	1	12.0	4.68	41.0	113	57.1	645	181	39
TC6W-049	2011-F5-4-1	6	36.1	97.9	40	79.4	1.7	1	11.0	4.37	40.8	102	59.0	591	169	34
TC6W-050	2011-F5-4-2	6	36.1	96.8	37	79.9	1.8	1	11.4	4.58	41.9	110	61.2	606	178	34
TC6W-051	2011-F5-5-1	6	42.2	97.7	45	78.9	1.7	1	11.3	4.09	39.0	95	54.1	605	157	31
TC6W-052	2011-F5-7-1	6	37.9	98.2	39	79.1	1.4	1	11.6	4.04	36.2	103	45.7	773	139	36
TC6W-053	2011-F5-7-3	6	39.5	98.4	39	79.3	1.5	1	11.1	4.11	37.5	112	49.7	776	147	31
TC6W-054	2011-F5-7-4	6	33.0	95.0	37	79.0	1.5	1	11.1	3.76	35.3	107	48.6	727	130	28
TC6W-055	2011-F5-8-2	6	40.3	97.7	38	77.4	1.2	1	11.7	3.65	31.3	125	42.8	659	134	30
TC6W-056	2011-F5-8-3	6	39.4	97.8	35	78.4	1.4	1	12.0	3.86	32.6	110	44.8	703	148	33
TC6W-057	2011-F5-9-2	6	33.4	95.8	34	80.5	1.9	1	11.8	4.63	40.3	91	65.5	496	174	39
TC6W-058	2011-F5-9-3	6	33.4	96.5	35	79.0	2.0	1	12.1	4.79	40.6	112	55.0	517	183	36
TC6W-059	2011-F5-16-1	6	37.8	96.8	41	78.8	1.7	1	10.9	3.73	34.3	77	42.7	789	129	28
TC6W-060	2011-F5-16-2	6	33.7	96.4	40	80.1	1.9	2	10.3	3.80	38.2	80	47.9	754	136	30
TC6W-061	2011-F5-16-3	6	35.5	90.9	40	79.4	1.6	1	10.8	3.86	37.6	79	45.1	740	138	31
TC6W-062	2011-F5-16-4	6	35.9	97.8	39	81.6	1.7	1	9.4	3.88	42.5	81	54.7	479	144	39
TC6W-063	2011-F5-17-1	6	34.8	97.2	36	78.6	1.8	2	11.3	4.00	35.8	91	52.4	698	144	30
TC6W-064	2011-F5-22-1	6	37.8	95.7	31	78.3	1.6	1	11.2	4.02	38.5	109	57.2	719	151	31
TC6W-065	2011-F5-22-3	6	35.8	96.7	36	81.1	2.4	1	10.3	4.03	40.5	81	62.2	551	159	34
TC6W-066	2011-F5-23-1	6	35.5	96.1	38	80.8	1.8	1	10.2	4.11	42.7	109	72.5	496	161	39
TC6W-067	2011-F5-24-1	6	33.3	96.2	39	76.9	1.9	1	10.9	3.73	36.4	90	41.6	900	126	21
TC6W-068	2011-F5-25-1	6	37.3	95.6	40	77.8	2.1	2	10.7	3.59	35.2	100	41.7	896	123	24
TC6W-069	2011-F5-25-2	6	35.8	96.6	38	79.3	1.8	1	9.9	3.79	39.9	101	52.2	806	142	34
TC6W-070	2011-F5-27-1	6	35.4	97.4	37	78.7	1.5	1	11.2	4.19	38.8	109	54.0	720	159	31
TC6W-071	2011-F5-27-2	6	35.4	96.0	33	78.3	1.5	1	10.9	4.13	37.9	105	51.2	729	158	31
TC6W-072	2011-F5-27-3	6	37.3	97.4	40	78.2	1.6	1	11.2	3.99	37.1	100	45.4	800	150	28
TC6W-073	2011-F5-29-1	6	38.6	97.2	36	78.1	1.6	1	11.6	3.90	35.3	119	48.4	654	156	30
TC6W-074	2011-F5-32-1	6	40.1	97.2	39	79.9	1.5	1	11.7	4.15	36.5	120	66.4	317	165	39

TC6W-075	2011-F5-35-1	6	33.1	95.9	38	77.3	2.3	2	12.7	4.21	35.9	80	49.6	800	145	25
TC6W-076	2011-F5-35-2	6	36.7	98.0	38	77.7	2.0	2	11.4	4.05	37.0	83	49.9	747	141	20
TC6W-077	2011-F5-36-1	6	37.8	98.4	31	*74.4	n.d.	3	11.9	3.65	31.9	84	29.7	904	115	20
TC6W-078	2011-F5-36-2	6	37.4	97.8	24	76.4	1.8	1	11.8	4.17	37.8	100	46.1	683	156	26
TC6W-079	2011-F5-36-3	6	37.2	97.5	29	76.6	1.8	1	12.9	4.29	34.6	103	47.7	701	161	26
TC6W-080	2011-F5-37-1	6	37.2	98.5	29	77.4	1.8	1	13.1	4.57	36.3	106	52.5	779	172	29
TC6W-081	2011-F5-37-2	6	36.1	98.3	28	75.9	1.9	1	13.9	4.83	35.7	112	54.6	799	179	27
TC6W-082	2011-F5-37-3	6	39.3	98.2	30	77.1	1.9	1	11.9	4.57	38.7	103	54.4	734	170	29
TC6W-083	2011-F5-37-4	6	39.9	98.9	31	75.5	n.d.	3	11.7	3.88	35.6	70	33.1	918	121	20
TC6W-084	2011-F5-37-5	6	37.7	98.3	27	*73.8	n.d.	3	12.0	3.47	29.4	67	26.8	984	111	20
TC6W-085	2011-F5-47-1	6	34.8	96.3	41	80.8	1.8	1	9.2	3.85	42.8	79	54.6	565	151	39
TC6W-086	2011-F5-47-2	6	35.2	95.2	40	80.8	1.9	1	11.5	4.35	40.8	85	60.8	583	153	34
TC6W-087	2011-F5-47-3	6	38.3	97.2	33	79.1	1.7	1	11.5	4.03	36.8	108	52.6	789	140	34
TC6W-088	2011-F5-48-1	6	35.8	94.0	32	77.9	1.5	1	11.6	3.91	35.4	109	56.5	730	148	33
TC6W-089	2011-F5-49-1	6	34.3	93.4	29	79.0	1.6	1	10.5	3.50	34.9	88	40.8	990	110	28
TC6W-090	2011-F5-50-1	6	38.1	98.6	41	79.6	1.5	1	10.9	3.75	35.6	88	43.8	763	137	31
TC6W-091	2011-F5-52-1	6	37.1	98.6	29	79.2	1.8	1	13.2	4.50	36.8	125	59.6	574	175	43
TC6W-092	2011-F5-52-2	6	36.4	97.6	32	79.4	2.0	1	12.7	4.74	38.9	119	61.8	592	178	39
TC6W-093	2011-F5-52-3	6	37.8	97.3	30	78.5	1.9	1	13.4	4.81	38.2	128	62.0	522	194	46
TC6W-094	2011-F5-55-1	6	37.7	98.4	23	77.1	1.6	1	12.5	4.33	34.9	119	53.9	721	159	29
TC6W-095	2011-F5-55-2	6	35.6	97.7	24	77.1	1.7	1	12.5	4.40	35.4	113	53.7	707	163	29
TC6W-096	2011-F5-56-1	6	40.8	98.6	42	79.7	1.6	1	10.8	4.19	42.1	82	59.4	566	151	39
TC6W-097	2011-F5-56-3	6	41.6	98.8	41	79.3	1.6	1	11.6	4.34	39.0	90	59.8	568	154	39
TC6W-098	2011-F5-57-2	6	40.0	98.2	40	79.8	1.6	1	11.1	4.03	37.0	79	53.6	641	136	34
TC6W-099	2011-F5-58-1	6	41.8	98.4	47	79.8	1.5	1	10.9	4.31	41.3	88	55.8	668	154	34
TC6W-100	2011-F5-59-1	6	40.5	97.7	51	78.9	1.5	1	11.2	4.09	39.3	86	55.2	705	152	31
TC6W-101	2011-F5-59-2	6	42.2	98.5	42	79.0	1.6	1	10.9	4.06	38.4	83	54.5	617	158	31
TC6W-102	2011-F5-60-1	6	38.9	96.1	48	79.0	1.5	1	10.8	4.03	38.0	88	52.7	696	161	34
TC6W-103	2011-F5-60-2	6	44.0	98.8	49	78.7	1.5	1	10.7	4.05	38.7	93	53.7	698	158	31
TC6W-104	2011-F5-63-1	6	31.0	93.7	47	79.5	1.7	1	10.6	4.18	42.7	87	55.5	601	170	38
TC6W-105	2011-F5-63-2	6	34.2	95.9	48	79.1	1.5	1	11.1	4.33	40.2	90	58.9	684	179	34
TC6W-106	2011-F5-64-1	6	40.9	98.3	37	79.3	1.4	1	10.7	4.02	39.1	115	63.4	697	158	34
TC6W-107	2011-F5-66-2	6	40.2	97.6	39	79.7	1.6	1	11.5	4.78	44.3	108	70.1	516	210	49
TC6W-108	2011-F5-66-3	6	34.2	94.8	34	79.8	1.6	1	11.4	4.74	45.4	104	68.5	548	204	44
TC6W-109	2011-F5-72-1	6	35.8	96.3	34	75.1	1.8	1	12.7	4.15	34.4	95	50.5	776	150	29
TC6W-110	2011-F5-72-2	6	36.0	98.4	34	76.6	1.6	1	12.4	4.18	34.2	97	48.2	783	153	26
TC6W-111	2011-F5-72-3	6	37.9	96.6	29	76.1	1.7	1	12.5	4.01	34.2	94	49.8	737	149	26
TC6W-112	2011-F5-72-4	6	36.2	95.0	34	76.0	1.5	1	12.1	3.74	33.1	84	43.3	784	135	26
TC6W-113	2011-F5-75-1	6	41.1	98.9	35	80.6	1.5	1	10.0	4.09	44.1	87	61.7	524	167	39
TC6W-114	2011-F5-76-1	6	44.0	98.6	48	78.6	1.3	1	11.1	3.99	37.3	85	52.2	691	149	31

TC6W-115	2011-F5-76-2	6	41.8	97.9	49	78.8	1.5	1	11.5	4.20	38.5	85	55.3	726	161	31
TC6W-116	2011-F5-76-3	6	42.1	98.6	44	78.7	1.5	1	11.5	4.20	39.7	86	54.2	689	162	36
TC6W-117	2011-F5-76-4	6	42.6	94.6	46	78.4	1.5	1	10.7	3.99	39.2	81	53.6	621	153	31
TC6W-118	2011-F5-79-1	6	39.6	98.3	53	79.8	1.5	1	10.6	4.29	42.3	94	56.5	534	167	39
TC6W-119	2011-F5-83-1	6	41.4	98.4	42	79.2	1.4	1	10.4	3.97	39.6	78	54.8	718	151	34
TC6W-120	2011-F5-84-1	6	43.8	98.8	42	78.6	1.5	1	12.0	4.23	37.6	89	52.8	709	167	36
TC6W-121	2011-F5-84-2	6	41.6	98.3	39	78.9	1.4	1	10.4	3.93	38.8	76	50.2	690	157	31
TC6W-122	2011-F5-85-1	6	42.0	98.4	53	79.3	1.4	1	9.3	3.59	41.3	73	47.7	454	135	31
TC6W-123	2011-F5-85-2	6	41.4	98.7	52	78.7	1.3	1	11.4	4.00	36.7	86	50.6	626	152	31
TC6W-124	2011-F5-86-1	6	41.4	98.5	48	80.1	1.3	1	9.4	3.74	41.5	83	51.9	405	145	34
TC6W-125	2011-F5-86-2	6	39.4	98.4	46	80.2	1.4	1	9.9	3.89	41.3	73	50.4	642	150	34
TC6W-126	2011-F5-87-1	6	42.8	97.7	54	78.8	1.5	1	10.7	3.88	38.0	70	44.6	716	142	28
TC6W-127	2011-F5-88-1	6	39.7	97.5	46	78.7	1.4	1	11.4	4.10	37.0	90	51.0	723	159	31
TC6W-128	2011-F5-88-2	6	42.3	98.5	44	79.3	1.5	1	10.7	4.13	40.5	79	54.4	657	159	34
TC6W-129	2011-F5-88-3	6	41.0	98.0	49	79.9	1.5	1	10.5	4.10	42.5	86	55.5	648	159	39
TC6W-130	2011-F5-90-4	6	37.9	97.2	48	80.4	1.5	1	10.4	4.44	43.5	92	60.4	509	184	39
TC6W-131	2011-F5-90-5	6	34.8	96.6	48	79.0	1.6	1	12.0	4.79	41.3	100	61.2	596	194	42
TC6W-132	2011-F5-91-1	6	35.2	95.8	40	80.8	2.1	1	11.3	4.93	44.7	91	54.4	660	210	47
TC6W-133	2011-F5-91-2	6	40.4	97.5	45	79.4	1.5	1	11.6	4.66	40.5	115	54.3	594	198	42
TC6W-134	2011-F5-93-1	6	45.7	99.3	38	77.9	1.5	1	11.5	4.13	36.8	94	53.1	713	155	28
TC6W-135	2011-F5-94-1	6	47.2	98.5	48	75.9	1.6	1	11.5	4.00	35.4	99	51.0	646	156	24
TC6W-136	2011-F5-95-1	6	39.6	97.4	44	77.6	1.7	1	11.2	3.95	36.9	83	48.7	701	149	21
TC6W-137	2011-F5-96-1	6	39.0	95.5	46	79.9	1.8	1	10.5	3.76	36.7	93	50.0	623	149	31
TC6W-138	2011-F5-96-2	6	40.7	94.8	43	78.6	1.7	1	11.5	3.76	35.0	97	49.5	640	147	33
TC6W-139	2011-F5-96-3	6	38.5	93.2	46	78.9	1.7	1	10.3	3.56	35.4	85	45.7	711	135	28
TC6W-140	2011-F5-96-4	6	36.8	92.2	44	78.6	1.8	1	11.6	3.82	35.4	94	46.2	716	146	33
TC6W-141	2011-F5-97-1	6	39.2	97.4	45	78.0	1.8	1	11.9	4.56	39.3	99	55.5	667	184	33
TC6W-142	2011-F5-99-1	6	43.6	98.6	38	77.8	1.7	1	11.0	4.33	40.4	101	59.5	598	173	28
TC6W-143	2011-F5-105-1	6	41.0	95.4	48	78.3	1.7	1	11.0	4.22	38.7	91	55.0	605	164	31
TC6W-144	2011-F5-105-2	6	40.3	97.9	43	79.7	1.7	1	10.6	4.17	40.2	92	54.8	638	161	34
TC6W-145	2011-F5-105-3	6	39.5	97.6	45	79.2	1.8	1	10.9	4.38	40.3	96	53.3	597	169	34
TC6W-146	2011-F5-105-4	6	39.4	98.4	41	81.3	1.6	1	9.9	4.08	43.8	82	58.5	574	167	39
TC6W-147	2011-F5-106-1	6	41.4	97.1	45	79.5	1.7	1	10.1	4.12	44.7	87	57.5	601	171	39
TC6W-148	2011-F5-106-2	6	46.4	98.5	48	79.9	1.5	1	11.5	4.49	40.4	94	62.1	614	188	39
TC6W-149	2011-F5-107-2	6	43.2	98.2	49	79.7	1.5	1	10.0	3.74	39.1	82	55.5	628	148	34
TC6W-150	2011-F5-108-1	6	42.4	98.3	50	78.8	1.5	1	12.0	4.02	35.0	96	51.5	723	158	36
TC6W-151	2011-F5-109-1	6	43.5	98.4	51	79.3	1.6	1	11.8	4.05	37.2	90	53.2	698	153	39
TC6W-152	2011-F5-109-2	6	41.4	97.8	52	80.0	1.5	1	10.3	4.04	42.0	81	56.2	686	159	34
TC6W-153	2011-F5-109-3	6	41.9	97.8	51	79.9	1.6	1	11.1	4.28	40.2	85	55.2	700	169	34
TC6W-154	2011-F5-110-1	6	43.8	98.9	38	81.6	1.7	1	10.4	4.19	42.8	77	58.5	640	173	39

TC6W-155	2011-F5-112-1	6	41.5	98.0	51	79.1	1.7	1	9.4	3.81	41.4	77	48.3	693	153	31
TC6W-156	2011-F5-112-2	6	42.9	97.9	50	78.7	1.6	1	10.4	3.80	38.6	87	51.6	597	150	31
TC6W-157	2011-F5-112-3	6	40.9	98.1	44	79.1	1.6	1	10.5	3.84	37.3	82	53.5	615	153	34
TC6W-158	2011-F5-113-1	6	40.6	98.3	44	80.8	1.7	1	10.9	4.61	43.5	94	68.7	453	192	42
TC6W-159	2011-F5-113-2	6	41.8	98.5	46	78.8	1.6	1	11.7	4.30	38.7	92	55.1	674	170	36
TC6W-160	2011-F5-113-3	6	40.8	98.4	43	80.7	1.7	1	11.1	4.51	44.0	94	65.8	510	190	42
TC6W-161	2011-F5-115-1	6	43.2	98.6	46	80.2	1.5	1	11.2	4.28	40.5	83	59.4	597	176	34
TC6W-162	2011-F5-118-1	6	43.6	98.3	45	79.7	1.5	1	10.6	4.28	41.4	85	56.5	569	173	34
TC6W-163	2011-F5-119-1	6	42.1	97.3	47	79.2	1.5	1	10.2	3.82	38.9	82	56.0	571	148	34
TC6W-164	2011-F5-119-2	6	41.3	97.8	45	79.1	1.5	1	10.0	3.94	42.2	84	52.6	557	153	39
TC6W-165	2011-F5-120-1	6	42.1	98.1	48	78.4	1.6	1	10.9	4.06	38.2	85	53.8	712	157	31
TC6W-166	2011-F5-120-2	6	42.8	97.9	45	78.7	1.6	1	10.0	4.03	40.9	78	56.4	652	159	31
TC6W-167	2011-F5-120-3	6	42.4	96.5	54	78.2	1.5	1	11.3	4.13	39.1	84	57.5	658	163	31
TC6W-168	2011-F5-121-1	6	38.5	95.9	44	78.7	1.7	1	11.1	4.01	38.7	86	54.4	723	155	31
TC6W-169	2011-F5-121-2	6	39.8	97.3	45	79.7	1.5	1	10.4	4.13	40.4	85	56.9	665	165	34
TC6W-170	2011-F5-121-3	6	41.2	98.1	43	78.9	1.5	1	10.6	4.09	40.9	88	58.4	672	160	31
TC6W-171	2011-F5-121-4	6	39.3	96.8	44	79.0	1.7	1	10.5	4.00	40.5	80	56.5	722	161	34
TC6W-172	2011-F5-121-5	6	39.8	98.0	41	79.5	1.5	1	10.6	3.93	38.9	82	58.7	716	155	34
TC6W-173	2011-F5-122-1	6	44.3	98.3	50	78.4	1.5	1	12.0	4.10	35.0	91	54.7	768	156	36
TC6W-174	2011-F5-123-1	6	44.0	97.5	50	80.9	1.5	1	10.3	4.08	41.5	85	59.8	585	166	34
TC6W-175	2011-F5-124-1	6	43.9	98.5	46	78.2	1.5	1	11.6	3.99	35.9	80	49.7	730	150	33
TC6W-176	2011-F5-126-1	6	43.3	98.7	46	78.1	1.5	1	12.0	4.27	35.9	83	53.5	778	169	33
TC6W-177	2011-F5-126-2	6	40.9	97.7	51	78.7	1.4	1	11.3	4.02	37.1	87	59.0	749	159	31
TC6W-178	2011-F5-129-1	6	41.1	98.0	42	80.6	1.8	1	9.7	4.34	48.1	89	63.2	576	196	37
TC6W-179	2011-F5-131-1	6	43.3	97.3	44	78.5	1.6	1	11.7	4.42	39.8	89	57.2	754	176	36
TC6W-180	2011-F5-132-1	6	39.8	95.6	45	79.2	1.7	1	11.4	4.32	40.8	94	60.9	616	177	34
TC6W-181	2011-F5-134-1	6	43.1	98.1	54	79.0	1.5	1	10.8	4.08	38.5	91	55.6	668	158	34
TC6W-182	2011-F5-134-2	6	42.7	98.9	48	79.3	1.4	1	9.7	3.62	39.6	81	52.4	530	139	34
TC6W-183	2011-F5-134-3	6	44.5	98.7	48	78.5	1.4	1	10.9	4.10	40.1	101	53.0	734	157	31
TC6W-184	2011-F5-135-1	6	42.3	96.7	52	78.2	1.6	1	10.7	4.38	42.8	92	64.5	582	182	33
TC6W-185	2011-F5-135-2	6	44.7	98.2	50	76.7	1.5	1	11.7	4.42	38.8	106	60.4	747	173	29
TC6W-186	2011-F5-135-3	6	43.4	97.0	54	77.8	1.5	1	12.0	4.08	36.7	100	56.9	623	165	33
TC6W-187	2011-F5-135-4	6	42.6	98.8	53	79.0	1.6	1	10.9	4.23	41.6	94	60.8	596	172	34
TC6W-188	2011-F5-136-1	6	40.7	97.1	34	78.0	1.7	1	9.7	4.12	42.7	106	65.2	436	179	33
TC6W-189	2011-F5-140-1	6	34.2	94.2	35	79.9	1.6	1	10.6	4.16	41.3	120	61.3	629	185	34
TC6W-190	2011-F5-140-2	6	37.7	96.6	36	79.4	1.5	1	11.0	4.02	38.2	119	51.1	751	171	34
TC6W-191	2011-F5-141-1	6	32.9	93.2	35	80.4	1.7	1	11.3	4.42	42.7	125	65.9	512	201	48
TC6W-192	2011-F5-141-3	6	33.0	95.3	40	80.9	1.7	1	10.2	4.33	43.9	131	69.3	454	203	48
TC6W-193	2011-F5-141-5	6	33.3	96.5	35	80.9	1.5	1	11.2	4.47	43.2	116	66.4	457	215	44
TC6W-194	06OR-9	6	42.4	98.9	49	81.2	1.3	1	10.1	3.96	41.1	92	60.7	383	161	34

TC6W-195 06OR-10	6	34.9	90.6	42	80.5	1.6	1	11.4	4.62	41.8	127	62.3	576	201	43
TC6W-196 06OR-20	6	33.1	94.1	40	81.2	1.6	1	10.6	4.59	46.8	141	68.3	480	212	51
TC6W-197 06OR-22	6	39.8	97.2	45	79.1	1.5	1	11.5	4.64	43.5	110	66.0	528	197	47
TC6W-198 06OR-37	6	36.8	96.3	47	79.6	1.5	1	11.1	4.57	43.0	119	66.1	659	190	39
TC6W-199 06OR-38	6	40.8	97.7	32	79.2	1.6	1	11.5	4.80	43.8	118	94.0	312	225	52
TC6W-200 06OR-40	6	31.6	*88.5	38	79.5	1.5	1	10.5	4.39	43.0	132	67.8	474	196	45
TC6W-201 06OR-41	6	38.9	98.0	44	80.9	1.8	1	11.0	5.27	50.3	128	73.3	415	244	50
TC6W-202 06OR-42	6	39.0	96.5	33	78.6	1.6	1	13.4	5.61	44.3	161	78.7	248	261	60
TC6W-203 06OR-43	6	40.5	97.8	47	80.5	1.4	1	10.6	4.54	44.9	86	66.5	471	200	42
TC6W-204 06OR-44	6	40.8	95.7	46	79.6	1.7	1	10.8	4.60	44.9	118	72.3	528	173	39
TC6W-205 06OR-45	6	34.4	92.6	37	77.9	1.9	1	12.2	4.99	43.9	145	75.0	440	198	51
TC6W-206 06OR-46	6	30.5	*82.5	42	80.7	1.7	1	10.5	4.45	44.0	143	73.8	241	184	45
TC6W-207 06OR-47	6	35.3	93.5	32	82.0	2.1	1	9.7	4.18	44.2	91	72.4	480	158	39
TC6W-208 06OR-51	6	36.4	96.3	48	80.5	1.8	1	10.8	4.76	45.7	129	67.6	439	185	43
TC6W-209 06OR-52	6	38.0	95.0	44	78.8	1.9	1	11.4	4.81	45.6	115	72.3	418	192	42
TC6W-210 06OR-57	6	34.6	94.5	32	79.4	1.8	1	11.2	4.66	43.1	143	67.3	507	182	46
TC6W-211 06OR-58	6	34.8	95.3	36	78.4	1.9	1	13.0	5.08	39.4	96	65.7	553	202	44
TC6W-212 06OR-59	6	35.5	96.7	29	78.4	2.1	2	13.1	4.95	39.3	90	57.9	498	195	41
TC6W-213 06OR-62	6	36.4	96.9	41	80.0	1.7	1	11.9	4.98	42.7	125	72.3	499	192	54
TC6W-214 06OR-75	6	35.7	93.4	40	78.6	2.1	1	11.3	5.24	47.5	126	78.6	362	216	47
TC6W-215 06OR-76	6	35.0	97.3	36	81.4	1.7	1	11.4	4.55	43.3	126	69.4	432	177	43
TC6W-216 06OR-78	6	36.8	92.7	35	77.5	1.7	1	13.3	5.21	39.7	168	73.3	481	211	48
TC6W-217 06OR-79	6	38.1	97.4	35	80.8	1.8	1	11.9	4.95	42.6	116	67.9	416	202	52
TC6W-218 06OR-87	6	31.8	92.1	38	77.4	n.d.	3	12.4	4.46	37.5	122	53.5	567	170	30
TC6W-219 06OR-91	6	34.7	93.9	40	78.3	1.9	1	11.1	5.13	49.0	146	64.3	329	208	46
TC6W-220 06OR-95	6	39.2	97.0	37	*73.7	n.d.	3	10.8	3.19	30.6	94	26.2	909	93	15
TC6W-221 07OR-3	6	32.9	96.5	29	79.4	2.0	1	11.6	5.08	44.3	143	91.1	517	214	59
TC6W-222 07OR-4	6	37.2	98.1	30	81.7	2.2	1	11.1	5.21	48.4	132	92.7	421	226	50
TC6W-223 07OR-5	6	33.9	97.0	26	81.3	2.1	1	11.6	5.28	47.8	136	102.3	401	216	55
TC6W-224 07OR-6	6	34.6	96.9	26	81.3	2.0	1	11.2	5.03	47.9	123	96.9	434	217	46
TC6W-225 07OR-7	6	37.7	98.0	29	81.3	2.0	1	10.8	5.18	51.1	117	91.3	305	226	42
TC6W-226 07OR-8	6	34.4	97.3	27	81.3	2.1	1	11.1	5.04	48.7	120	94.9	473	210	42
TC6W-227 07OR-9	6	34.1	96.4	28	81.7	2.1	1	11.1	5.14	48.9	129	94.3	476	212	46
TC6W-228 07OR-21	6	34.9	*88.3	43	78.6	1.7	1	12.2	4.90	41.0	155	67.2	552	186	46
TC6W-229 07OR-55	6	38.9	98.0	43	81.4	1.6	1	9.7	4.07	43.8	112	60.8	403	139	39
TC6W-230 07OR-57	6	35.1	95.4	45	81.4	1.8	1	10.2	4.31	44.0	91	57.0	524	162	39
TC6W-231 07OR-58	6	36.0	93.3	41	81.3	1.6	1	10.3	4.13	42.3	87	57.9	618	152	39
TC6W-232 07OR-59	6	37.1	97.4	40	81.2	1.7	1	10.4	4.21	42.2	92	53.5	524	152	39
TC6W-233 07OR-62	6	31.1	92.3	29	81.6	1.8	1	10.2	4.41	47.6	126	80.9	276	176	37
TC6W-234 07OR-63	6	39.9	92.0	45	80.7	1.6	1	10.9	4.26	39.9	99	63.2	670	152	34

TC6W-235 07OR-64	6	31.3	89.7	32	81.4	1.9	1	9.8	4.63	48.6	137	98.8	271	186	37
TC6W-236 07OR-65	6	37.8	97.2	43	81.6	2.1	2	11.5	4.21	39.8	112	54.8	669	141	33
TC6W-237 08OR-30	6	37.8	96.7	48	79.4	1.6	1	10.0	3.84	40.3	94	60.5	458	124	34
TC6W-238 08OR-40	6	43.3	98.4	42	79.1	1.4	1	11.8	4.30	38.0	116	60.6	738	145	39
TC6W-239 08OR-41	6	40.4	96.4	39	80.9	1.9	1	11.2	4.51	42.0	90	59.3	582	180	39
TC6W-240 08OR-44	6	41.9	97.8	41	82.0	1.7	1	9.9	3.91	42.2	111	73.6	649	149	39
TC6W-241 08OR-45	6	46.1	98.7	41	81.8	1.6	1	9.8	3.86	41.5	81	55.9	598	133	34
TC6W-242 08OR-46	6	41.5	97.3	39	80.8	1.5	1	11.2	4.20	38.9	87	60.3	614	148	34
TC6W-243 08OR-47	6	40.2	98.2	39	80.9	1.6	1	11.6	4.08	36.8	92	63.5	525	153	39
TC6W-244 08OR-48	6	37.4	98.0	30	80.9	1.6	1	11.3	4.23	40.9	110	64.3	408	158	34
TC6W-245 08OR-49	6	35.9	97.6	36	79.6	1.9	2	11.9	4.01	36.2	89	53.9	688	152	38
TC6W-246 08OR-50	6	40.8	98.9	29	80.3	1.6	1	12.0	4.31	37.3	112	67.4	446	152	39
TC6W-247 08OR-52	6	40.2	97.9	36	79.3	1.6	1	11.9	4.33	38.0	133	60.0	624	157	43
TC6W-248 08OR-53	6	36.7	96.3	38	80.1	2.0	2	11.7	3.96	36.0	85	53.2	608	149	38
TC6W-249 08OR-54	6	40.5	98.2	32	78.9	1.6	1	12.2	4.46	38.8	100	68.8	521	166	36
TC6W-250 08OR-56	6	43.6	97.3	36	80.6	1.8	1	11.4	5.01	44.1	146	74.5	297	213	54
TC6W-251 08OR-58	6	41.6	99.4	31	77.0	1.5	1	13.5	4.81	37.8	156	58.4	564	176	34
TC6W-252 08OR-69	6	35.0	94.3	36	79.2	1.8	1	12.4	5.34	46.5	123	75.9	177	213	60
TC6W-253 08OR-73	6	38.4	97.9	31	81.7	1.6	1	10.2	4.40	46.7	120	90.3	155	196	49
TC6W-254 08OR-79	6	35.2	96.4	36	79.8	1.7	1	13.1	5.54	43.8	154	92.0	294	236	63
TC6W-255 08OR-80	6	33.3	93.9	33	80.5	1.8	1	11.5	4.95	45.0	163	82.9	295	205	54
TC6W-256 08OR-81	6	37.8	95.2	36	81.0	1.8	1	11.4	4.80	42.5	144	66.9	371	193	52
TC6W-257 08OR-96	6	33.9	*82.6	*6	83.4	1.0	1	13.0	4.02	32.2	109	51.2	483	121	37
TC6W-258 2011-Short-8	6	29.9	90.6	26	82.3	2.0	1	11.8	5.20	46.6	141	92.7	267	225	60
TC6W-259 2011-Short-9	6	27.7	*76.4	27	79.7	2.3	1	12.4	5.63	46.9	156	102.8	221	247	56
TC6W-260 2011-Short-11	6	28.4	*87.6	23	81.2	2.2	1	12.8	5.65	45.6	171	99.9	184	231	60
TC6W-261 2011-Short-12	6	30.8	*88.3	25	82.0	2.0	1	12.2	5.26	45.5	160	89.5	268	230	62
TC6W-262 2011-Short-13	6	31.8	*86.4	28	81.9	2.0	1	12.5	5.24	43.4	155	81.6	302	222	62
TC6W-263 2011-Short-14	6	33.4	90.5	32	82.5	1.8	1	12.7	5.33	43.5	159	83.1	261	235	63
TC6W-264 2011-Short-15	6	35.3	93.5	27	81.8	1.8	1	12.5	5.45	44.6	159	81.5	212	244	63
TC6W-265 2011-Short-16	6	30.5	*87.3	23	81.4	2.0	1	13.7	5.61	43.3	151	86.1	335	248	57
TC6W-266 MW10S4116-001	6	42.2	97.4	25	80.6	*2.6	1	12.7	5.78	49.2	142	81.6	240	229	54
TC6W-267 MW10S4116-002	6	43.6	98.6	25	78.3	2.2	1	13.4	5.95	47.7	159	75.9	376	244	51
TC6W-268 MW10S4116-003	6	41.3	97.7	27	79.7	2.4	1	13.4	6.12	49.2	147	92.1	324	252	51
TC6W-269 MW10S4116-004	6	42.2	97.2	26	80.9	1.6	1	12.0	4.78	42.9	91	72.3	383	182	44
TC6W-270 MW10S4116-005	6	45.5	98.9	17	79.8	2.0	1	12.9	5.50	45.2	84	69.6	580	219	56
TC6W-271 MW10S4118-001	6	44.2	98.2	25	78.6	1.8	1	13.9	5.42	39.4	185	63.4	545	198	48
TC6W-272 MW10S4118-002	6	40.5	98.6	21	81.0	2.0	1	10.9	5.13	48.1	130	79.7	354	216	46
TC6W-273 MW10S4118-003	6	37.1	94.7	24	79.2	1.9	1	13.5	5.60	44.8	159	65.4	439	212	63
TC6W-274 MW10S4118-004	6	37.3	94.1	28	79.6	1.7	1	12.4	5.29	43.1	169	64.0	405	207	63

TC6W-275	MW10S4118-005	6	36.0	94.8	29	78.1	1.9	1	12.5	5.36	46.4	151	72.8	453	220	57
TC6W-276	MW10S4118-006	6	42.0	97.7	24	80.9	2.1	1	12.0	5.29	45.3	123	81.8	354	215	60
TC6W-277	MW10S4120-001	6	33.0	93.4	28	79.7	1.8	1	11.5	5.20	46.3	141	75.6	408	213	58
TC6W-278	MW10S4120-002	6	29.2	91.7	35	78.2	2.0	1	12.3	5.59	49.3	162	72.9	337	214	49
TC6W-279	MW10S4120-003	6	27.7	*83.6	28	78.7	1.8	1	13.6	5.75	45.0	175	70.7	426	226	46
TC6W-280	MW10S4120-004	6	25.5	*68.6	29	76.3	2.5	1	13.1	5.87	45.2	181	87.1	347	249	39
TC6W-281	MW10S4120-005	6	37.0	96.0	30	81.0	2.0	1	11.9	5.68	50.2	163	76.9	463	243	58
TC6W-282	MW10S4120-006	6	34.2	93.0	26	80.7	1.9	1	12.8	5.93	46.8	164	78.0	434	243	59
TC6W-283	MW10S4120-007	6	31.9	*88.7	29	80.2	1.6	1	12.8	5.37	44.6	159	68.0	546	219	62
TC6W-284	MW10S4120-008	6	31.9	95.5	28	79.5	1.8	1	12.7	5.83	48.3	*206	83.2	388	247	53
TC6W-285	MW10S4122-001	6	39.1	93.0	26	79.1	2.2	1	13.7	5.96	45.9	182	83.7	365	256	54
TC6W-286	MW10S4122-002	6	37.4	97.5	32	80.5	2.0	2	13.0	5.86	46.1	146	82.0	412	242	58
TC6W-287	MW10S4122-003	6	35.0	93.6	32	79.9	1.7	1	13.2	5.60	43.9	171	65.7	370	227	63
TC6W-288	MW10S4122-004	6	33.2	93.9	27	80.0	2.2	1	12.0	5.78	49.8	150	88.3	412	252	54
TC6W-289	MW10S4122-005	6	28.6	*88.0	28	78.5	1.7	1	14.0	5.60	42.2	170	69.7	488	221	47
TC6W-290	MW10S4122-006	6	38.2	97.1	32	80.1	2.0	1	12.9	5.70	46.1	142	78.4	418	236	59
TC6W-291	MW10S4122-007	6	36.9	93.9	30	80.7	2.2	1	11.7	5.42	49.7	121	80.5	438	236	55
TC6W-292	MW10S4122-008	6	32.5	90.4	33	80.9	2.3	1	12.0	5.83	51.7	136	90.3	342	253	51
TC6W-293	MW09S4076-001	6	34.7	94.2	30	78.7	1.7	1	13.5	5.46	41.9	147	78.5	622	207	50
TC6W-294	MW09S4076-002	6	34.8	97.2	20	76.0	2.0	1	11.6	4.94	44.5	135	69.8	564	200	44
TC6W-295	MW09S4078-001	6	32.5	96.2	30	77.2	2.1	2	12.1	4.14	35.8	123	45.5	563	146	29
TC6W-296	MW09S4078-002	6	33.2	95.9	26	79.1	2.4	1	12.7	5.68	46.8	121	90.9	487	241	60
TC6W-297	MW09S4080-001	6	27.9	*85.4	28	79.9	1.9	1	11.8	4.91	44.1	136	73.7	359	206	51
TC6W-298	MW09S4082-001	6	36.5	97.7	35	80.3	1.7	1	9.8	4.52	48.3	151	86.8	193	187	41
TC6W-299	MW09S4085-001	6	36.6	98.2	34	79.6	2.0	1	11.3	4.89	44.7	84	69.5	553	206	47
TC6W-300	MW09S4086-001	6	33.9	94.8	32	81.3	2.1	1	10.8	5.15	47.6	95	80.3	540	196	40

MQ Table 11. Waxy Food DH HRBIN Entry list for 2011-12

(2011-12 Waxy Food Double Haploid Head Row Bulk Increase)

Entry	Name	Type	Use	Parentage
9	10.0663	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
10	10.0664	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
11	10.0671	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
12	10.0672	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
13	10.0681	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
14	10.0684	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
19	10.0695	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
20	10.0696	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
24	10.0908	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
27	10.0910	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
28	10.0912	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
31	10.0931	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
33	10.0939	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
35	10.0942	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
37	10.0955	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
38	10.0956	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
44	10.0970	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
47	10.0977	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
48	10.0978	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
50	10.0981	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
52	10.0983	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
58	10.1059	2	Food	KW2-849 x (Luca/Waxbar/Luca)
59	10.1067	2	Food	KW2-849 x (Luca/Waxbar/Luca)

MQ Table 12. Waxy Food DH HRBIN for Corvallis, OR in 2011-12

(2011-12 Waxy Food Double Haploid Head Row Bulk Increase)

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 10.0663	2	41.8	97.0	28	79.2	3.5	2	11.2	3.84	35.6	64	39.9	557	140	24
2 10.0664	2	46.6	98.5	37	79.9	2.1	1	10.9	4.09	38.7	94	49.9	665	156	31
3 10.0671	2	41.4	97.8	36	78.5	2.6	1	12.2	4.58	39.5	80	52.7	737	168	39
4 10.0672	2	41.4	97.7	27	79.6	1.5	1	11.4	3.97	37.0	64	50.0	819	152	32
5 10.0681	2	37.1	93.1	37	79.2	3.5	2	9.7	3.47	37.0	47	41.8	635	109	19
6 10.0684	2	36.7	94.5	31	78.2	3.8	2	10.1	3.25	32.8	39	29.3	659	107	15
7 10.0695	2	44.1	98.7	37	80.6	2.7	1	10.2	4.34	43.2	97	50.5	364	165	39
8 10.0696	2	44.7	97.4	46	80.2	2.2	1	9.8	3.75	41.6	82	46.1	558	139	33
9 10.0908	2	31.8	93.9	39	79.5	4.0	1	10.3	3.96	41.3	78	53.4	335	156	31
10 10.0910	2	39.0	93.9	45	77.5	4.3	1	11.9	3.87	34.4	76	38.2	610	121	19
11 10.0912	2	45.4	98.3	42	79.3	2.1	1	12.0	4.39	39.8	59	49.8	766	169	33
12 10.0931	2	43.7	98.7	33	82.3	2.1	1	10.2	4.67	47.9	59	62.5	179	194	46
13 10.0939	2	49.6	98.9	40	*75.9	2.2	1	12.5	3.72	31.1	80	35.3	936	110	22
14 10.0942	2	33.2	*91.4	46	78.7	4.6	2	10.5	3.64	36.4	62	40.5	697	117	19
15 10.0955	2	43.2	98.9	43	79.6	2.0	1	10.9	3.82	35.0	52	46.0	762	140	28
16 10.0956	2	44.0	98.0	44	80.4	1.9	1	11.4	4.51	41.5	81	53.3	557	166	48
17 10.0970	2	37.7	96.6	43	79.7	2.5	1	10.6	3.96	37.5	49	41.1	500	135	23
18 10.0977	2	43.3	97.6	43	77.0	2.4	1	10.9	3.81	35.2	60	41.0	856	131	21
19 10.0978	2	41.6	98.5	34	80.5	2.8	2	10.1	3.75	40.7	49	48.1	552	140	31
20 10.0981	2	39.8	97.2	40	80.2	4.1	2	10.3	4.19	40.8	59	58.5	326	155	35
21 10.0983	2	44.5	98.5	37	79.6	2.0	1	12.0	4.06	35.0	89	53.3	791	134	39
22 10.1059	2	34.6	97.3	42	79.2	2.3	1	*13.4	5.22	41.5	104	59.2	738	181	42
23 10.1067	2	38.7	98.4	27	78.3	3.2	2	11.4	3.77	33.6	126	38.0	907	125	29

MQ Table 13. Non-Waxy Food DH HRBIN Entry list for 2011-12

(2011-12 Non-Waxy Food Double Haploid Head Row Bulk Increase)

Entry	Name	Type	Use	Parentage
5	10.0667	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
9	10.0901	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
10	10.0904	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
12	10.0914	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
14	10.0923	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
15	10.0925	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
16	10.0926	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
19	10.0944	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
20	10.0945	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
21	10.0959	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
28	10.0988	2	Food	KW2-849 x (Luca/Waxbar/Luca8)
32	10.1044	2	Food	KW2-849 x (Luca/Waxbar/Luca)

MQ Table 14. Non-Waxy Food DH HRBIN for Corvallis, OR in 2011-12

(2011-12 Non-Waxy Food Double Haploid Head Row Bulk Increase)

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 10.0667	2	46.3	98.8	30	79.0	3.8	2	11.5	3.75	34.6	95	37.8	302	118	25
2 10.0901	2	46.5	98.1	32	80.6	2.9	1	10.4	4.11	42.5	117	55.0	96	155	50
3 10.0904	2	40.8	97.3	31	80.8	2.7	1	10.9	4.74	44.9	94	57.7	79	163	49
4 10.0914	2	42.9	98.0	31	81.0	3.9	2	10.1	3.60	38.1	73	40.7	156	123	30
5 10.0923	2	44.4	98.1	29	80.0	2.6	1	10.5	4.40	42.1	161	49.9	134	161	46
6 10.0925	2	39.0	96.2	31	81.1	3.0	1	9.7	4.02	44.0	83	48.4	75	150	43
7 10.0926	2	46.0	98.0	26	79.8	3.4	1	10.8	3.68	35.2	122	39.8	419	104	31
8 10.0944	2	46.2	97.1	30	80.3	2.0	1	10.9	4.40	40.7	140	54.7	375	154	46
9 10.0945	2	36.6	94.3	31	80.5	3.3	1	9.6	3.78	42.2	132	59.3	86	142	45
10 10.0959	2	40.0	96.9	30	79.9	5.0	2	10.7	3.97	38.9	107	42.2	34	128	35
11 10.0988	2	40.5	97.2	28	80.9	2.6	1	10.5	4.37	43.4	153	56.0	71	154	52
12 10.1044	2	44.8	98.9	24	81.8	2.3	1	11.0	4.80	44.4	201	55.0	54	171	60

MQ Table 15. Miscellaneous Entry list for 2011-12

	Variety	Type	Use	Parentage	Notes
1	OR101-Drill Strip block	6	Malting	StabBC 42-3-9/3/Kab51/Legacy//Kab51	2-10 HR
2	Maja - 1	6	Malting	Strider/88Ab536	2X Fungicide
3	Maja - 2	6	Malting	Strider/88Ab536	1X Fungicide
4	OBADV14 - Drill Strip block	6	Malting	NB3437f/OR71	4-12
5	Maja - 3	6	Malting	Strider/88Ab536	LB DS
6	Endeavor	2	Malting		CPS DS
7	Maja - 4	6	Malting	Strider/88Ab536	LB Spring Bulk
8	Full Pint - organic LB Farm	2	Malting		LB Spring Bulk

MQ Table 16. Miscellaneous for Corvallis, OR in 2011-12

Variety	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 OR101-Drill Strip block	6	37.5	97.9	43	79.9	2.2	2	10.4	4.49	44.8	130	51.9	338	163	42
2 Maja - 1	6	30.5	91.5	41	81.0	1.6	1	9.5	4.22	48.1	128	65.2	121	177	40
3 Maja - 2	6	28.2	*80.8	39	78.9	1.8	1	11.3	4.73	43.7	158	64.3	184	206	45
4 OBADV14 - Drill Strip block	6	28.7	*84	*49	*70.8	2.7	2	12.6	3.49	29.3	99	27.8	*773	109	18
5 Maja - 3	6	25.8	*75.5	*54	79.2	1.7	1	10.4	4.43	45.5	130	62.5	155	199	42
6 Endeavor	2	35.9	95.3	38	83.6	2.0	1	8.7	4.72	59.3	104	108.4	99	200	52
7 Maja - 4	6	31.7	84.3	*61	78.7	1.7	1	9.8	4.33	48.0	97	67.6	272	170	30
8 Full Pint - organic LB Farm	2	41.4	94.4	*64	81.1	1.6	1	9.9	4.47	48.4	106	94.8	141	180	50

MQ Table 17. Maja seeding rates Entry list for 2011-12

Name	Type	Use	Parentage	Notes
Maja T1-R1	6	Malting	Strider/88Ab536	680000 sds/acre
Maja T2-R1	6	Malting	Strider/88Ab537	800000 sds/acre
Maja T3-R1	6	Malting	Strider/88Ab538	920000 sds/acre
Maja T4-R1	6	Malting	Strider/88Ab539	1040000 sds/acre
Maja T1-R2	6	Malting	Strider/88Ab541	680000 sds/acre
Maja T2-R2	6	Malting	Strider/88Ab542	800000 sds/acre
Maja T3-R2	6	Malting	Strider/88Ab543	920000 sds/acre
Maja T4-R2	6	Malting	Strider/88Ab544	1040000 sds/acre
Maja T1-R3	6	Malting	Strider/88Ab546	680000 sds/acre
Maja T2-R3	6	Malting	Strider/88Ab547	800000 sds/acre
Maja T3-R3	6	Malting	Strider/88Ab548	920000 sds/acre
Maja T4-R3	6	Malting	Strider/88Ab549	1040000 sds/acre
Maja T1-R4	6	Malting	Strider/88Ab551	680000 sds/acre
Maja T2-R4	6	Malting	Strider/88Ab552	800000 sds/acre
Maja T3-R4	6	Malting	Strider/88Ab553	920000 sds/acre
Maja T4-R4	6	Malting	Strider/88Ab554	1040000 sds/acre

MQ Table 18. Maja seeding rates for Corvallis, OR in 2011-12

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
Maja T1-R1	6	39.5	96.7	46	77.9	n.d.	3	14.3	4.60	34.5	150	59.6	141	163	31
Maja T2-R1	6	37.6	92.2	56	79.1	n.d.	3	11.2	4.30	38.8	103	57.6	139	155	35
Maja T3-R1	6	36.2	94.7	56	79.4	n.d.	3	10.5	4.11	42.6	98	56.8	83	155	44
Maja T4-R1	6	36.4	95.2	45	78.6	n.d.	3	12.3	4.46	38.6	120	57.4	130	165	41
Maja T1-R2	6	36.8	94.9	48	79.2	n.d.	3	11.3	4.19	38.7	109	57.7	137	159	35
Maja T2-R2	6	37.8	96.5	51	79.2	n.d.	3	11.6	3.82	35.9	104	52.5	92	139	44
Maja T3-R2	6	34.5	94.6	56	80.3	n.d.	3	9.4	3.69	41.8	85	52.5	63	135	39
Maja T4-R2	6	35.9	94.3	55	80.2	n.d.	3	9.9	3.73	41.2	89	51.2	81	138	39
Maja T1-R3	6	38.6	96.8	45	77.4	3.3	2	13.5	4.51	34.0	126	53.0	203	161	27
Maja T2-R3	6	36.4	94.3	51	79.0	n.d.	3	11.3	4.49	41.2	100	59.2	114	168	39
Maja T3-R3	6	37.2	95.5	46	77.7	2.6	1	13.4	4.71	35.7	131	60.2	170	178	36
Maja T4-R3	6	37.4	96.2	43	77.9	2.6	1	13.2	4.70	36.5	136	64.1	130	185	40
Maja T1-R4	6	36.4	96.6	44	79.1	3.4	2	12.1	4.22	37.8	114	56.9	132	160	41
Maja T2-R4	6	35.2	95.1	41	79.3	3.0	2	11.6	4.39	40.2	112	59.3	130	167	41
Maja T3-R4	6	35.5	95.6	45	79.0	2.6	2	11.7	4.37	37.6	110	56.8	138	165	38
Maja T4-R4	6	35.9	95.7	45	78.3	n.d.	3	12.9	4.66	37.1	123	60.1	120	178	41

MQ Table 20. Wintmalt Crosses Entry list for 2011-12

Entry	Name	Type	Use	Parentage
1	10.0856	2	Malting	Wintmalt/Charles
2	10.0844	2	Malting	Wintmalt/Bari 2B08-3149
3	10.0764	2	Malting	Wintmalt/Bari 2B08-3149
4	10.0777	2	Malting	Wintmalt/Charles
5	10.086	2	Malting	Wintmalt/Charles
6	10.074	2	Malting	Wintmalt/Bari 2B08-3149
7	10.0739	2	Malting	Wintmalt/Bari 2B08-3149
8	10.0627	2	Malting	Wintmalt/Bari 2B08-3145
9	10.0761	2	Malting	Wintmalt/Bari 2B08-3149
10	10.0849	2	Malting	Wintmalt/Charles
11	10.0834	2	Malting	Wintmalt/Bari 2B08-3145
12	10.0835	2	Malting	Wintmalt/Bari 2B08-3149
13	10.0782	2	Malting	Wintmalt/Charles
14	10.0852	2	Malting	Wintmalt/Charles
15	10.0787	2	Malting	Wintmalt/Charles
16	10.0736	2	Malting	Wintmalt/Bari 2B08-3149
17	Violetta	2	Malting	Violetta
18	Charles	2	Malting	Charles

MQ Table 20. Wintmalt Crosses for Corvallis, OR in 2011-12

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 10.0856	2	41.5	98.0	34	84.0	1.7	1	9.9	4.90	54.1	150	82.6	38	225	59
2 10.0844	2	41.0	95.2	28	83.8	2.3	1	9.3	4.95	59.2	113	93.7	55	282	56
3 10.0764	2	34.9	96.7	25	83.7	2.2	1	8.4	4.67	60.7	105	109.1	23	246	52
4 10.0777	2	38.2	96.6	27	83.3	2.4	1	9.5	5.22	60.2	116	122.3	21	294	54
5 10.086	2	40.2	98.1	37	83.0	2.0	1	10.7	5.11	52.7	126	92.5	79	241	59
6 10.074	2	43.4	97.7	22	82.8	2.0	1	9.4	5.21	60.1	106	99.4	85	286	57
7 10.0739	2	44.1	96.3	26	82.6	2.4	1	8.9	4.98	58.1	106	99.1	42	276	57
8 10.0627	2	35.6	92.6	33	82.6	2.5	1	9.7	5.20	58.2	117	108.6	39	288	52
9 10.0761	2	40.4	96.8	28	82.3	2.4	1	8.9	4.98	61.1	75	98.0	30	279	52
10 10.0849	2	35.4	95.7	35	82.2	1.6	1	9.5	4.16	48.8	113	74.8	62	198	48
11 10.0834	2	39.6	95.1	26	82.2	1.6	1	10.1	4.45	48.7	116	62.7	37	219	54
12 10.0835	2	40.7	96.6	23	82.2	2.1	1	9.8	4.61	51.5	120	70.6	36	237	56
13 10.0782	2	36.2	96.1	33	81.8	2.2	1	10.1	5.26	55.9	126	100.7	71	272	55
14 10.0852	2	38.4	96.6	39	81.7	1.7	1	10.2	5.15	54.6	122	109.6	107	289	53
15 10.0787	2	37.5	97.1	27	81.4	1.3	1	9.7	3.91	42.6	115	53.3	123	178	41
16 10.0736	2	37.6	97.1	31	80.9	2.4	1	9.4	4.42	49.8	117	64.1	28	221	49
17 Violetta	2	42.7	99.1	26	80.9	1.7	1	11.6	4.77	43.4	202	54.9	149	187	61
18 Charles	2	25.8	*80.8	32	76.6	2.1	1	12.8	5.23	43.4	173	98.2	291	252	43