

Barley Project Agronomic Trait Data 2014



Dr. Patrick Hayes; Dr. Alfonso Cuesta-Marcos; Tanya Filichkin, Scott Fisk, Laura Helgerson;
Araby Belcher, Ryan Graebner, Brigid Meints, Dustin Herb;
Pierrette Castro, Elizabeth Hayes, Deirdre Apple, Josh Daker, Dylan Larkin

Breeding Program support provided by
Oregon Agriculture Experiment Station; American Malting Barley Association;
Busch Agricultural Resources; Oregon Wheat Commission;
Idaho Barley Commission; Great Western Malting

Genetics and Breeding Research support provided by
USDA-NIFA (Triticeae CAP); USDA-ARS SCAs (Stripe Rust and Stem Rust);
Barley Flavor Six Pack

2014 Agronomic Data for Oregon State University Barley Yield Trials

2013-14 OWBSYT; 44 entries

Table 1	Entry list and pedigrees	Page 3	Design
2	Corvallis, OR (Hyslop Farm)		RCB
3	Corvallis, OR (Lewis Brown Farm)		RCB
4	Hermiston, OR		RCB
5	Pendleton, OR		RCB
6	Mount Vernon, WA		RCB
7	Pullman, WA		RCB

2013-14 WMBT; 29 entries

8	Entry list and pedigrees	Page 10	
9	Corvallis, OR		RCB

2013-14 WBGH; 22 entries

10	Entry list and pedigrees	Page 12	
11	Corvallis, OR		RCB

2013-14 Training Population; 407 entries

12	Entry list and pedigrees	Page 14	
13	Corvallis, OR		MAD (Type II)

2013-14 INUDFOOD; 30 entries

14	Entry list and pedigrees	Page 30	
15	Corvallis, OR (Fall Planted)		RCB
16	Corvallis, OR (Winter Planted)		RCB
17	Pullman, WA		RCB
18	Lleida, Spain		RCB
19	Dundee, Scotland		RCB

2013-14 EurO2R; 18 entries

20	Entry list and pedigrees	Page 36	
21	Corvallis, OR		RCB
22	Mount Vernon, WA		RCB
23	Pullman, WA		RCB

2014 Oregon Promise Population; 205 entries

23	Entry list and pedigrees	Page 40	
24	Corvallis, OR		RCB

2014 Spring Hooded; 9 entries

25	Entry list and pedigrees	Page 49	
26	Corvallis, OR		RCB
27	Lebanon, OR		RCB
28	Maxwell, CA		RCB
29	Clarksburg, CA		RCB

Table 1. OWBSYT Entry list and Pedigrees

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry	Name	Type	Use	Parentage
1	Alba	6	Feed/Malting	Strider/Orca
2	Strider	6	Feed	
3	Verdant	6	Feed/Forage	
4	Streaker	6	Food	
5	09OR-86	6	Food	
6	Charles	2	Malting	
7	Endeavor	2	Malting	
8	10.0860	2	Malting	Wintmalt/Charles
9	10.0777	2	Malting	Wintmalt/Charles
10	10.0739	2	Malting	Wintmalt/Bari 2B8-3149
11	10.0740	2	Malting	Wintmalt/Bari 2B8-3149
12	TCFW6-194	6	Malting/Feed	Stab 47/Kab 51
13	TCFW6-235	6	Malting/Feed	CC99A
14	TCFW6-244	6	Malting/Feed	StabBC 5/Maja
15	TCFW6-193	6	Malting/Feed	StabBC 5/Maja
16	TCFW6-107	6	Malting/Feed	Kab 51/Excel//Maja/3/Stab 7/Maja
17	TCFW6-187	6	Malting/Feed	J1///Stab 47/Excel//StabBC 42
18	TCFW6-140	6	Malting/Feed	J1///Stab 47/Excel//StabBC 42
19	TCFW6-189	6	Malting/Feed	StabBC 5/Maja
20	TCFW6-127	6	Malting/Feed	StabBC 182//Stab 47/Kab 51
21	TCFW6-141	6	Malting/Feed	J1///Stab 47/Excel//StabBC
22	TCFW6-017	6	Malting/Feed	StabBC 5/Maja
23	TCFW6-085	6	Malting/Feed	StabBC 42//Bu 37/Maja
24	TCFW6-139	6	Malting/Feed	J2///Stab 47/Excel//Stab 47
25	TCFW6-086	6	Malting/Feed	StabBC 42//Bu 37/Maja
26	TCFW6-005	6	Malting/Feed	Strider/3/Maja/Legacy//Maja
27	TCFW6-027	6	Malting/Feed	Strider/3/Maja/Legacy//Maja
28	TCFW6-165	6	Malting/Feed	Stab 47/Kab 51//StabBC 42
29	TCFW6-033	6	Malting/Feed	NB3437f/OR71
30	TCFW6-053	6	Malting/Feed	StabBC 42//Bu 37/Maja
31	TCFW6-177	6	Malting/Feed	StabBC 182//Stab 47/Kab 51
32	TCFW6-182	6	Malting/Feed	J1///Kab 51/Excel//Kab 51
33	Wintmalt	2	Malting	
34	Liga	2	Malting	
35	Maltesse	2	Malting	
36	Nectaria	2	Malting	
37	Violetta	2	Malting	
38	05-5401/01	2	Malting	
39	04/028/36	2	Malting	
40	07/041/8	2	Malting	
41	Malwinta	2	Malting	
42	Ariane	2	Malting	
43	SC 11203	2	Malting	
44	SC 11213	2	Malting	

Table 2. OWBSYT for Corvallis, OR in 2013-14

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry Name	Yield (lbs/ac)		Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)	Lodging (%)	Brackling (%)	Barley Stripe Rust (%)	Scald (%)	Agronomic Score (1-5)
1 Alba	7063	(3)	122	47	92	49	8	5	18	0	2	3
2 Strider	6320	(21)	118	43	61	45	10	30	50	0	5	3
3 Verdant	5112	(35)	118	51	77	48	10	37	37	0	28	3
4 Streaker	4493	(39)	110	44	34	53	12	43	67	0	57	3
5 09OR-86	4750	(38)	122	45	44	60	11	37	53	0	22	3
6 Charles	3609	(42)	108	39	79	45	11	87	40	0	95	3
7 Endeavor	3294	(43)	108	38	57	51	12	93	50	2	88	3
8 10.0860	2784	(44)	109	32	85	47	12	93	40	0	62	3
9 10.0777	4263	(40)	108	40	79	49	11	70	40	2	80	3
10 10.0739	5018	(36)	112	42	80	50	11	67	28	0	77	3
11 10.0740	4752	(37)	103	35	83	51	12	87	37	0	70	3
12 TCFW6-194	6092	(28)	123	51	80	46	11	12	25	0	20	3
13 TCFW6-235	6740	(11)	115	41	42	49	11	17	62	0	2	2
14 TCFW6-244	6972	(4)	117	48	64	48	11	20	73	0	0	3
15 TCFW6-193	6585	(14)	119	42	70	48	11	10	47	0	2	3
16 TCFW6-107	6298	(22)	119	46	50	48	10	3	60	0	0	3
17 TCFW6-187	6059	(29)	125	48	84	50	10	38	27	0	2	3
18 TCFW6-140	6327	(20)	116	46	35	46	11	42	43	0	2	2
19 TCFW6-189	6858	(6)	117	42	67	47	10	43	47	0	5	3
20 TCFW6-127	7293	(1)	125	50	79	49	10	17	22	0	3	2
21 TCFW6-141	6433	(19)	123	50	75	50	11	40	22	0	2	3
22 TCFW6-017	6261	(25)	118	48	71	48	11	60	60	0	2	3
23 TCFW6-085	5911	(32)	108	43	57	46	12	63	50	0	3	3
24 TCFW6-139	5990	(31)	121	44	47	46	11	30	27	0	0	2
25 TCFW6-086	6581	(15)	121	44	72	49	10	20	28	0	2	2
26 TCFW6-005	6221	(26)	121	50	69	48	10	43	40	0	2	2
27 TCFW6-027	6478	(18)	116	46	75	45	10	33	43	0	7	2
28 TCFW6-165	6291	(23)	122	50	81	49	10	22	23	0	2	2
29 TCFW6-033	5830	(33)	122	50	97	48	11	63	43	0	0	2
30 TCFW6-053	7216	(2)	118	41	64	47	10	5	82	0	2	2
31 TCFW6-177	6783	(9)	122	50	83	51	10	12	25	0	0	2
32 TCFW6-182	6790	(8)	122	50	88	51	9	7	25	0	2	2
33 Wintmalt	3943	(41)	117	35	78	49	11	57	57	0	92	2
34 Liga	6028	(30)	115	46	95	53	11	25	18	0	5	2
35 Maltesse	6198	(27)	116	42	83	50	10	20	18	2	17	2
36 Nectararia	6763	(10)	115	43	91	52	11	32	13	2	7	2
37 Violetta	6698	(13)	108	42	92	54	12	33	23	0	3	2
38 05-5401/01	6262	(24)	115	41	94	51	11	40	25	0	7	2
39 04/028/36	6894	(5)	109	41	95	51	12	45	17	0	3	2
40 07/041/8	5241	(34)	116	38	92	53	10	37	18	0	43	2
41 Malwinta	6543	(16)	115	41	96	52	11	43	17	0	3	2
42 Ariane	6818	(7)	112	41	91	53	11	25	22	4	5	2
43 SC 11203	6504	(17)	111	41	93	54	10	7	20	0	4	1
44 SC 11213	6716	(12)	116	43	89	52	11	28	17	0	3	2
Mean	5956		116	44	75	50	11	37	36	0	19	2
LSD	750		1	6	-	-	-	23	18	1	17	1
CV	9		1	4	23	6	7	46	37	372	67	26
No. of Reps	3		3	3	1	1	1	3	3	3	3	3

Numbers in parentheses indicate relative rank in column.

Table 3. OWBSYT for Lewis Brown Farm, Corvallis, OR in 2013-14

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry	Name	Yield (lbs/ac)	Heading	Plant	Plump	Test	Protein (%)	Lodging (%)	Brackling (%)	Barley Yellow	Agronomic
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)				Dwarf (1-5)	Score (1-5)
1	Alba	5330	123	48	76	50	11	0	12	4	3
2	Strider	5175	117	41	76	50	12	2	13	4	3
3	Verdant	7262	117	52	91	51	11	0	52	1	3
4	Streaker	5703	111	44	49	56	10	0	77	3	4
5	09-OR-86	5145	121	44	44	60	11	3	27	4	4
6	Charles	3745	111	41	82	48	11	7	67	3	4
7	Endeavor	6100	108	44	75	54	10	22	60	2	4
8	10.0860	4710	109	40	89	51	10	0	27	3	3
9	10.0777	5632	111	42	81	50	11	0	42	4	3
10	10.0739	5493	113	44	89	53	11	0	15	4	4
11	10.0740	5696	104	39	86	52	11	17	50	2	4
12	TCFW6-194	3934	124	44	79	49	10	3	12	5	4
13	TCFW6-235	4440	113	36	75	49	12	0	50	4	4
14	TCFW6-244	7006	116	45	83	51	10	0	43	4	3
15	TCFW6-193	4492	120	40	62	49	12	0	33	4	4
16	TCFW6-107	5094	120	44	50	50	12	2	45	4	4
17	TCFW6-187	5586	126	44	79	50	10	0	5	5	4
18	TCFW6-140	5689	115	43	46	48	11	2	42	3	3
19	TCFW6-189	6122	116	41	55	48	10	7	23	4	4
20	TCFW6-127	4479	126	44	72	50	10	2	13	4	3
21	TCFW6-141	5551	124	47	77	50	10	0	17	3	3
22	TCFW6-017	7020	116	46	73	51	9	3	50	4	4
23	TCFW6-085	6783	110	43	64	49	10	2	40	3	4
24	TCFW6-139	3633	120	39	51	48	13	7	15	5	4
25	TCFW6-086	5668	121	40	56	49	11	0	12	4	3
26	TCFW6-005	6831	121	46	80	51	9	3	47	4	3
27	TCFW6-027	6193	114	46	88	50	12	0	28	3	3
28	TCFW6-165	4550	122	42	72	50	12	2	10	4	4
29	TCFW6-033	6006	122	52	85	53	10	0	53	1	3
30	TCFW6-053	5470	117	35	50	48	10	0	30	4	4
31	TCFW6-177	4559	124	46	75	50	12	0	8	5	4
32	TCFW6-182	4375	123	46	77	50	12	0	8	4	3
33	Wintmalt	4928	116	37	89	45	10	2	13	4	3
34	Liga	5775	115	42	90	52	10	0	42	3	3
35	Maltesse	5245	116	37	80	50	9	2	17	4	3
36	Nectaria	6528	117	43	88	52	9	2	17	3	3
37	Violetta	6082	110	44	85	52	12	0	40	3	3
38	05-5401/01	5528	116	42	88	51	11	2	17	3	3
39	04/028/36	6328	112	44	95	52	12	0	48	2	3
40	07/041/8	5709	116	43	78	51	12	0	32	3	3
41	Malwinta	5998	117	41	92	53	12	3	18	4	4
42	Ariane	5127	114	37	83	51	12	2	12	3	3
	Mean	5493	117	43	75	51	11	2	30	4	3
	LSD	1176	1	9	-	-	-	10	28	1	1
	CV	16	1	6	19	5	9	328	67	28	18
	No. of Reps	3	3	3	1	1	1	3	3	3	3

Table 4. OWBSYT for Hermiston, OR in 2013-14

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry	Name	Yield	Plant	Plump	Test	Winter Survival		
		(lbs/ac)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Protein (%)	(March) (%)	(July) (%)
1	Alba	5352	43	97	52	13	33	100
2	Strider	6249	42	96	52	13	40	100
3	Verdant	2063	39	90	49	14	12	42
4	Streaker	5112	36	74	55	14	22	93
5	09OR-86	4969	41	87	55	13	22	73
6	Charles	3468	34	96	54	14	13	57
7	Endeavor	6053	43	95	55	14	43	93
8	10.0860	4452	38	98	52	14	23	80
9	10.0777	6045	43	98	54	14	40	100
10	10.0739	4267	33	96	50	15	1	13
11	10.0740	-	31	96	-	-	1	1
12	TCFW6-194	5056	43	96	51	14	55	100
13	TCFW6-235	-	31	-	-	-	2	4
14	TCFW6-244	6334	42	95	52	13	57	100
15	TCFW6-193	7641	36	94	51	11	82	100
16	TCFW6-107	5072	41	93	52	12	32	70
17	TCFW6-187	5678	40	95	51	12	25	100
18	TCFW6-140	4290	39	99	52	12	12	66
19	TCFW6-189	8909	36	99	51	11	65	100
20	TCFW6-127	4988	40	95	51	12	33	87
21	TCFW6-141	5255	39	92	51	13	10	61
22	TCFW6-017	5937	43	95	52	12	35	100
23	TCFW6-085	6186	41	78	50	12	48	100
24	TCFW6-139	4891	39	89	51	13	8	53
25	TCFW6-086	5669	42	70	50	12	82	100
26	TCFW6-005	3942	41	94	51	13	15	70
27	TCFW6-027	6517	41	92	54	12	48	100
28	TCFW6-165	5417	40	91	51	13	32	100
29	TCFW6-033	4237	46	94	52	13	92	100
30	TCFW6-053	6213	35	94	51	13	45	68
31	TCFW6-177	5097	40	93	52	13	40	93
32	TCFW6-182	4759	41	92	51	14	22	90
33	Wintmalt	5319	40	96	51	14	77	100
34	Liga	5710	43	97	52	14	72	100
35	Maltesse	5054	35	97	52	16	32	70
36	Nectaria	2977	34	96	51	17	7	57
37	Violetta	3809	39	97	52	16	15	63
38	05-5401/01	5817	38	98	52	15	72	100
39	04/028/36	4666	39	97	52	15	77	100
40	07/041/8	5277	35	97	52	14	83	100
41	Malwinta	4732	42	97	52	14	52	93
42	Ariane	5126	42	98	52	14	62	88
	Mean	5215	39	93	52	13	39	81
	LSD	1445	11	-	-	-	16	22
	CV	20	8	7	2	9	31	20
	No. of Reps	3	3	1	1	1	3	3

Table 5. OWBSYT for Pendleton, OR in 2013-14

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry Name	Yield (lbs/ac)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)	Winter Survival (March) (%)	Winter Survival (July) (%)
1 Alba	5856	46	80	51	10	100	100
2 Strider	6045	44	53	48	10	100	100
3 Verdant	4944	48	61	47	11	100	100
4 Streaker	5444	42	14	56	11	100	100
5 09OR-86	4591	41	28	60	11	100	100
6 Charles	5876	37	89	51	11	100	100
7 Endeavor	6041	43	74	54	11	98	100
8 10.0860	4988	39	85	50	12	100	100
9 10.0777	6002	40	95	52	11	100	100
10 10.0739	2848	34	95	53	14	15	75
11 10.0740	5197	31	97	53	12	90	100
12 TCFW6-194	6461	48	74	53	10	100	100
13 TCFW6-235	3360	31	71	54	12	38	82
14 TCFW6-244	6244	44	62	51	11	100	100
15 TCFW6-193	6114	38	44	48	12	100	100
16 TCFW6-107	5940	42	24	49	12	100	100
17 TCFW6-187	5193	46	30	48	12	100	100
18 TCFW6-140	5820	41	35	48	11	100	100
19 TCFW6-189	5468	36	60	48	10	100	100
20 TCFW6-127	5753	43	50	50	12	100	100
21 TCFW6-141	5227	45	52	51	11	100	100
22 TCFW6-017	5853	45	66	52	10	100	100
23 TCFW6-085	5364	41	56	50	10	100	100
24 TCFW6-139	5654	43	48	50	10	100	100
25 TCFW6-086	5001	38	26	46	12	100	100
26 TCFW6-005	4821	44	41	50	11	100	100
27 TCFW6-027	5481	46	41	45	11	100	100
28 TCFW6-165	5203	45	58	49	11	100	100
29 TCFW6-033	4944	48	82	52	11	100	100
30 TCFW6-053	6043	38	59	49	11	100	100
31 TCFW6-177	5813	45	86	52	10	100	100
32 TCFW6-182	5755	46	86	52	10	100	100
33 Wintmalt	5510	39	94	53	11	100	100
34 Liga	5714	41	95	53	11	100	100
35 Maltesse	5970	39	92	54	11	100	100
36 Nectaria	5743	42	93	54	11	100	100
37 Violetta	5215	40	92	55	11	100	100
38 05-5401/01	5265	39	95	51	10	100	100
39 04/028/36	5653	41	94	52	11	100	100
40 07/041/8	6135	37	96	54	10	100	100
41 Malwinta	5639	39	96	55	11	100	100
42 Ariane	5226	37	92	55	11	100	100
43 SC 11203	5761	37	73	52	12	100	100
44 SC 11213	6150	37	90	53	11	100	100
Mean	5485	41	69	51	11	96	99
LSD	680	2	-	-	-	2	3
CV	9	4	35	6	7	2	2
No. of Reps	3	3	1	1	1	3	3

Table 6. OWBSYT for Mount Vernon, WA in 2013-14

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry	Name	Yield (lbs/ac)	Heading	Plant	Plump	Test	Protein (%)	Lodging (%)	Brackling (%)	Leaf		Agronomic Score (1-4)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)				Rust (%)	Scald (%)	
1	Alba	4821	128	40	58	42	10.9	37	17	63	30	3
2	Strider	4141	130	38	49	40	11.3	30	35	55	35	4
3	Verdant	4812	130	36	42	42	10.2	0	12	68	13	3
4	Streaker	5380	132	39	57	43	9.8	35	8	83	10	3
5	09OR-86	4049	131	39	17	36	13.5	50	20	93	37	4
6	Charles	4878	127	36	45	43	11.0	3	32	40	37	3
7	Endeavor	4181	123	31	69	41	11.1	0	58	53	62	4
8	10.0860	5379	130	34	55	41	10.3	7	15	60	42	3
9	10.0777	4484	128	33	48	42	10.9	20	25	73	35	4
10	10.0739	5534	126	37	63	43	9.6	27	27	93	7	4
11	10.0740	5333	128	38	43	41	11.1	45	10	63	17	4
12	TCFW6-194	5405	128	35	65	43	9.8	25	12	70	42	3
13	TCFW6-235	5265	129	37	44	41	10.4	0	18	77	5	3
14	TCFW6-244	5080	131	41	56	48	10.0	20	0	58	23	3
15	TCFW6-193	5425	131	37	49	42	10.1	2	10	82	5	3
16	TCFW6-107	4894	128	36	51	43	10.3	42	23	47	42	4
17	TCFW6-187	5110	130	40	44	41	10.5	32	22	83	15	4
18	TCFW6-140	4225	126	34	62	42	10.8	27	32	67	48	4
19	TCFW6-189	3309	130	36	30	38	12.3	13	17	93	50	3
20	TCFW6-127	4845	134	40	38	45	10.6	52	8	50	20	4
21	TCFW6-141	5005	129	35	48	41	10.6	3	10	90	23	3
22	TCFW6-017	5882	132	39	53	42	10.2	15	13	47	5	3
23	TCFW6-085	6226	131	39	70	45	9.3	7	12	57	13	3
24	TCFW6-139	6008	128	35	41	41	10.9	13	18	87	27	3
25	TCFW6-086	4920	133	37	19	39	10.9	25	7	83	5	3
26	TCFW6-005	5499	128	39	80	46	9.1	7	5	77	9	3
27	TCFW6-027	3635	123	30	72	42	11.0	0	37	30	63	3
28	TCFW6-165	5122	131	38	38	40	10.4	20	15	80	35	3
29	TCFW6-033	5418	131	33	69	43	9.7	3	20	45	52	3
30	TCFW6-053	4110	131	32	34	37	11.7	3	8	97	7	3
31	TCFW6-177	4472	126	32	58	39	10.9	13	35	70	33	4
32	TCFW6-182	5251	128	33	55	43	10.9	2	8	63	10	3
33	Wintmalt	4751	128	38	47	48	10.8	17	8	52	48	3
34	Liga	5200	130	39	65	42	9.7	0	13	70	7	3
35	Maltesse	4514	126	30	65	42	10.6	0	17	30	58	3
36	Nectaria	5767	129	32	85	45	9.1	0	5	67	55	2
37	Violetta	4313	130	35	44	42	10.4	3	15	73	45	3
38	05-5401/01	5473	130	34	28	39	11.1	50	20	87	17	4
39	04/028/36	6508	129	34	67	43	10.1	0	5	67	22	3
40	07/041/8	6136	131	35	39	41	10.2	12	13	73	13	3
41	Malwinta	4045	127	36	59	44	10.6	13	32	33	30	4
42	Ariane	5027	130	37	58	43	9.3	32	10	73	5	3
43	SC 11203	4157	131	38	43	38	12.1	17	17	87	23	4
44	SC 11213	6226	131	41	42	44	10.3	47	23	53	5	4
	Mean	5005	129	36	51	42	10.6	17	17	67	27	3
	LSD	1790	7	8	32	4	2	38	26	36	41	1
	CV	26	4	17	45	8	13	160	108	40	114	19
	No. of Reps	3	3	3	3	3	3	3	3	3	3	3

Table 7. OWBSYT for Pullman, WA in 2013-14

(2013-14 Oregon Winter Barley Statewide Yield Trial)

Entry Name	Yield (lbs/ac)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)
1 Alba	4781	38	95	53	7.9
2 Strider	6648	37	96	51	9.0
3 Verdant	4610	41	93	48	9.1
4 Streaker	4266	34	50	56	8.4
5 09OR-86	5053	35	67	56	9.1
6 Charles	5033	30	97	52	8.9
7 Endeavor	4789	36	96	54	8.5
8 10.0860	4414	30	97	52	8.1
9 10.0777	4456	32	98	54	8.5
10 10.0739	4671	33	97	55	10.2
11 10.0740	3976	26	98	55	9.1
12 TCFW6-194	4740	38	95	51	8.0
13 TCFW6-235	5499	33	87	53	10.0
14 TCFW6-244	6609	40	97	54	10.0
15 TCFW6-193	5211	31	95	52	8.8
16 TCFW6-107	3800	37	92	53	8.8
17 TCFW6-187	5058	40	96	53	8.3
18 TCFW6-140	6254	39	94	53	9.8
19 TCFW6-189	6402	33	97	52	9.2
20 TCFW6-127	5665	40	97	52	7.9
21 TCFW6-141	5385	39	95	53	7.3
22 TCFW6-017	5152	38	96	53	7.8
23 TCFW6-085	5076	33	87	50	7.4
24 TCFW6-139	5584	38	93	53	8.0
25 TCFW6-086	6079	35	91	51	8.3
26 TCFW6-005	5090	41	95	53	8.8
27 TCFW6-027	5352	37	96	51	7.5
28 TCFW6-165	5778	40	96	53	8.7
29 TCFW6-033	3577	38	94	54	8.8
30 TCFW6-053	5803	29	96	51	7.8
31 TCFW6-177	5626	39	96	53	8.0
32 TCFW6-182	5256	38	97	53	8.2
33 Wintmalt	4741	33	97	53	9.6
34 Liga	3415	32	97	53	8.7
35 Maltesse	6205	33	98	54	8.7
36 Nectaria	6112	35	98	54	11.2
37 Violetta	5316	37	97	55	10.4
38 05-5401/01	5331	33	97	53	8.7
39 04/028/36	5017	35	97	53	10.1
40 07/041/8	4356	30	97	54	8.3
41 Malwinta	5308	35	98	53	9.3
42 Ariane	4395	33	98	54	9.6
Mean	5140	35	94	53	8.8
LSD	1175	3	2	2	1
CV	17	6	2	3	12
No. of Reps	3	3	3	3	3

Table 8. WMBT Entry list and Pedigrees

(2013-14 Winter Malting Barley Trial)

Entry	Name	Type	Use	Parentage
1	Charles	2	Malt	
2	Strider	6	Feed	
3	McGregor	6	Feed	
4	2Ab08-X05W061-216	2	Malt	95SR316A/Charles
5	2Ab09-X05W018-119	2	Malt	Endeavor / 02Ab824
6	2Ab09-X05W040-125	2	Malt	02Ab1604/ACMetcalf
7	02Ab431	2	Malt	93Ab428/93Ab835
8	02Ab671	2	Malt	93Ab428/93Ab835
9	02Ab669	2	Malt	93Ab428/93Ab835
10	AC 07/022/2	2	Malt	
11	AC 07/041/33	2	Malt	
12	Flavia (ACK 07/041/8)	2	Malt	
13	MH05IH31 (Hickory)		Malt	
14	KWS Joy	2	Malt	
15	Etincel		Malt	
16	Thoroughbred	6	Malt	
17	VA10B-43	6	Malt	VA99B-161 /3/ VA98B-210 // 94Ab1261 / VA00B-271
18	VA12B-7	6	Malt	Thoroughbred // Thoroughbred / Nomini
19	VA12B-8	6	Malt	Thoroughbred // Thoroughbred / Nomini
20	Saturn	6	Malt	
21	Violetta	2	Malt	
22	Nectaria	2	Malt	
23	Maltesse	2	Malt	
24	SC11203	2	Malt	
25	SC11213	2	Malt	
26	07OR-64 (TCFW6-235)	6	Malt	CC99A
27	08OR-48 (TCFW6-244)	6	Malt	StabBC 50/Maja
28	2011-F5-141-5 (TCFW6-193)	6	Malt	StabBC 50/Maja
29	06OR-9 (TCFW6-194)	6	Malt	Stab 47/Kab 51

Table 9. WMBT for Corvallis, OR in 2013-14

(2013-14 Winter Malting Barley Trial)

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)	Lodging (%)	Straw Breakage (%)	Stripe Rust (%)	Scald (%)	Agronomic Score (1-5)
1 Charles	3049	108	39	70	44	13	73	70	70	87	4
2 Strider	3959	118	44	61	49	12	68	62	62	3	4
3 McGregor	4851	114	43	85	50	13	65	53	53	5	4
4 2Ab08-X05W061-216	2824	112	39	57	46	12	95	88	88	82	5
5 2Ab09-X05W018-119	3238	118	43	66	51	11	90	90	90	60	5
6 2Ab09-X05W040-125	2733	112	37	48	49	13	75	62	62	80	5
7 02Ab431	3415	111	43	54	48	12	72	82	82	35	5
8 02Ab671	3421	115	41	70	49	11	87	80	80	55	5
9 02Ab669	3053	114	40	58	49	11	80	78	78	80	5
10 AC 07/022/2	3663	112	43	76	45	12	33	73	73	0	4
11 AC 07/041/33	3903	117	43	93	51	10	73	70	70	15	5
12 Flavia (ACK 07/041/8)	4720	117	41	89	52	12	62	42	42	20	4
13 MH05IH31 (Hickory)	4974	121	42	92	54	11	48	32	32	10	4
14 KWS Joy	3478	115	40	74	45	11	75	47	47	50	4
15 Etinzel	6967	116	49	87	52	11	28	33	33	2	3
16 Thoroughbred	2258	112	44	15	42	12	87	93	93	3	5
17 VA10B-43	4166	108	43	62	49	13	70	72	72	2	4
18 VA12B-7	2113	109	43	27	22	15	87	95	95	0	5
19 VA12B-8	4990	109	46	56	51	13	88	95	95	0	5
20 Saturn	6760	116	44	91	51	11	18	78	78	0	4
21 Violetta	5823	110	43	91	55	13	55	33	33	0	4
22 Nectaria	4549	117	44	95	53	11	50	30	30	2	4
23 Maltesse	4840	118	44	81	51	11	63	47	47	15	4
24 SC11203	6393	113	43	89	54	11	25	25	25	3	3
25 SC11213	5274	116	44	91	54	12	45	22	22	2	4
26 07OR-64 (TCFW6-235)	6300	114	40	48	51	11	25	82	82	2	4
27 08OR-48 (TCFW6-244)	5648	117	47	75	52	11	33	77	77	0	4
28 2011-F5-141-5 (TCFW6-193)	5796	121	43	66	51	12	57	65	65	3	4
29 06OR-9 (TCFW6-194)	5714	124	51	82	50	11	28	30	30	3	3
Mean	4444	115	43	71	49	12	61	62	62	21	4
LSD	822	1	8	-	-	-	26	29	29	15	1
CV	14	1	5	28	12	8	31	34	34	51	13
No. of Reps	3	3	3	1	1	1	3	3	3	3	3

Table 10. WBGN Entry list and Pedigrees

(2013-14 Winter Barley Germplasm Nursery)

Entry	Name	Type	Use	Parentage
1	Charles	2	Malt	
2	Endeavor	2	Malt	
3	Maja	6	Malt	
4	Alba	6	Feed	
5	2Ab08-X05W061-216	2	Malt	95SR316A/Charles
6	2Ab09-X05W018-119	2	Malt	Endeavor/02Ab824
7	2Ab09-X05W040-125	2	Malt	02Ab1604/ACMetcalf
8	2Ab09-X05W077-13	2	Malt	Newdale/86Ab1061
9	2Ab09-X04W035-89	2	Malt	Endeavor/Charles
10	10.0860	2	Malt	Wintmalt/Charles
11	10.0777	2	Malt	Wintmalt/Charles
12	09-OR86	6	Food	Strider/Doyce
13	TCFW6-187	6	Feed	J1///Stab 47/Excel//StabBC 42
14	TCFW6-140	6	Feed	J1///Stab 47/Excel//StabBC 42
15	TCFW6-107	6	Feed	Kab 51/Excel//Maja/3/Stab 7/Maja
16	UTWB9703-19	6	Feed	
17	UTWB10201-15	6	Feed	
18	6W11-0003	6	Malt	
19	6W11-0064	6	Malt	
20	6W11-0123	6	Malt	
21	6W11-0197	6	Malt	
22	6W11-0265	6	Malt	

Table 11. WBGN for Corvallis, OR in 2013-14

(2013-14 Winter Barley Germplasm Nursery)

Entry Name	Yield	Julian	Plant	Plump	Test	Protein	Lodging	Brackling	Stripe			Protein	Agronomic
	(lbs/ac)	Heading	Height	(on 6/64)	Weight				Rust	Scald	(%)		
		(days from Jan 1)	(in)	(%)	(lbs/bu)	(%)	(%)	(%)	(%)	(%)	(%)	(1-5)	
1 Charles	3425	109	38	76	44	13	88	73	0	77	12.9	5	
2 Endeavor	3676	108	35	51	49	13	91	60	2	83	12.8	5	
3 Maja	3669	114	40	31	49	11	33	83	0	42	10.6	4	
4 Alba	5651	123	48	79	52	11	37	15	0	7	10.9	3	
5 2Ab08-X05W061-216	3977	113	38	66	48	12	88	65	0	80	11.6	5	
6 2Ab09-X05W018-119	3867	118	42	67	51	11	67	57	0	58	11.2	5	
7 2Ab09-X05W040-125	3238	113	36	59	51	13	90	40	0	82	12.5	5	
8 2Ab09-X05W077-13	3104	113	39	49	46	12	95	37	13	67	12.3	5	
9 2Ab09-X04W035-89	3776	121	40	61	46	12	88	60	0	67	11.7	5	
10 10.086	3530	108	37	84	48	13	88	43	0	80	12.9	5	
11 10.0777	3743	110	42	68	49	12	70	47	15	65	11.6	5	
12 09-OR86	3609	122	47	43	59	12	57	30	0	12	11.5	4	
13 TCFW6-187	4540	126	48	79	52	11	50	23	0	7	10.8	4	
14 TCFW6-140	4481	115	48	35	48	12	57	47	0	3	11.9	5	
15 TCFW6-107	5437	121	46	58	52	12	33	47	0	5	11.6	4	
16 UTWB9703-19	4646	118	45	30	48	10	22	53	5	3	10.4	4	
17 UTWB10201-15	3817	118	40	34	49	11	55	40	7	8	11.4	4	
18 6W11-0003	4586	115	44	30	48	12	30	96	5	8	11.8	4	
19 6W11-0064	3974	117	44	66	51	13	47	43	0	7	12.8	5	
20 6W11-0123	4152	122	47	90	54	10	57	30	0	5	10.2	4	
21 6W11-0197	3510	122	45	51	51	13	77	73	0	23	12.8	5	
22 6W11-0265	3989	114	41	35	47	11	73	88	5	5	11.0	5	
Mean	4018	116	42	56	50	12	63	52	2	36	11.7	5	
LSD (0.05)	989	1	8	-	-	-	23	27	3	17	-	1	
CV	18	1	6	33	6	7	26	38	80	34	7	9	
No. of Reps	3	3	3	1	1	1	3	3	3	3	1	3	

Table 12. Malt Training Population for Corvallis, OR in 2013-14

Entry	Name	Type	Use	Parentage
1	11ID521	2	Malt	Charles #3/95SR316A#1
2	12ID12	2	Malt	Charles #3/95SR316A#1
3	11ID532	2	Malt	Charles #3/95SR316A#1
4	12ID21	2	Malt	Charles #3/95SR316A#1
5	12ID23	2	Malt	Charles #3/95SR316A#1
6	11ID545	2	Malt	Charles #3/95SR316A#1
7	12ID31	2	Malt	Charles #3/95SR316A#1
8	12ID40	2	Malt	Charles #3/95SR316A#1
9	11ID565	2	Malt	Charles #3/95SR316A#1
10	12ID56	2	Malt	Charles #3/95SR316A#1
11	11ID589	2	Malt	Charles #3/95SR316A#1
12	11ID592	2	Malt	Charles #3/95SR316A#1
13	Charles #3	2	Malt	Parent 1
14	95SR316A#1	2	Malt	Parent 2
15	10.0630	2	Malt	Wintmalt/Bari 2B08-3145
16	10.0634	2	Malt	Wintmalt/Bari 2B08-3145
17	10.0637	2	Malt	Wintmalt/Bari 2B08-3145
18	10.0638	2	Malt	Wintmalt/Bari 2B08-3145
19	10.0639	2	Malt	Wintmalt/Bari 2B08-3145
20	10.0640	2	Malt	Wintmalt/Bari 2B08-3145
21	10.0641	2	Malt	Wintmalt/Bari 2B08-3145
22	10.0643	2	Malt	Wintmalt/Bari 3140
23	10.0644	2	Malt	Wintmalt/Bari 3140
24	10.0645	2	Malt	Wintmalt/Bari 3140
25	10.0647	2	Malt	Wintmalt/Bari 3140
26	10.0649	2	Malt	Wintmalt/Bari 3140
27	10.0716	2	Malt	Wintmalt/Bari 2B08-3145
28	10.0720	2	Malt	Wintmalt/Bari 2B08-3145
29	10.0721	2	Malt	Wintmalt/Bari 2B08-3145
30	10.0724	2	Malt	Wintmalt/Bari 2B08-3145
31	10.0726	2	Malt	Wintmalt/Bari 2B08-3145
32	10.0731	2	Malt	Wintmalt/Bari 2B08-3145
33	10.0733	2	Malt	Wintmalt/Bari 2B08-3145
34	10.0741	2	Malt	Wintmalt/Bari 2B08-3149
35	10.0742	2	Malt	Wintmalt/Bari 2B08-3149
36	10.0743	2	Malt	Wintmalt/Bari 2B08-3149
37	10.0744	2	Malt	Wintmalt/Bari 2B08-3149
38	10.0753	2	Malt	Wintmalt/Bari 2B08-3149
39	10.0762	2	Malt	Wintmalt/Bari 2B08-3149
40	10.0763	2	Malt	Wintmalt/Bari 2B08-3149
41	10.0767	2	Malt	Wintmalt/Charles
42	10.0768	2	Malt	Wintmalt/Charles
43	10.0769	2	Malt	Wintmalt/Charles
44	10.0770	2	Malt	Wintmalt/Charles
45	10.0771	2	Malt	Wintmalt/Charles
46	10.0772	2	Malt	Wintmalt/Charles
47	10.0773	2	Malt	Wintmalt/Charles
48	10.0778	2	Malt	Wintmalt/Charles
49	10.0779	2	Malt	Wintmalt/Charles
50	10.0780	2	Malt	Wintmalt/Charles

Entry	Name	Type	Use	Parentage
51	10.0781	2	Malt	Wintmalt/Charles
52	10.0785	2	Malt	Wintmalt/Charles
53	10.0789	2	Malt	Wintmalt/Charles
54	10.0794	2	Malt	Wintmalt/Charles
55	10.0797	2	Malt	Wintmalt/Bari 3140
56	10.0802	2	Malt	Wintmalt/Bari 3140
57	10.0803	2	Malt	Wintmalt/Bari 3140
58	10.0806	2	Malt	Wintmalt/Bari 3140
59	10.0807	2	Malt	Wintmalt/Bari 3140
60	10.0808	2	Malt	Wintmalt/Bari 3140
61	10.0809	2	Malt	Wintmalt/Bari 3140
62	10.0812	2	Malt	Wintmalt/Bari 3140
63	10.0814	2	Malt	Wintmalt/Bari 2B08-3145
64	10.0815	2	Malt	Wintmalt/Bari 2B08-3145
65	10.0817	2	Malt	Wintmalt/Bari 2B08-3145
66	10.0818	2	Malt	Wintmalt/Bari 2B08-3145
67	10.0819	2	Malt	Wintmalt/Bari 2B08-3145
68	10.0820	2	Malt	Wintmalt/Bari 2B08-3145
69	10.0821	2	Malt	Wintmalt/Bari 2B08-3145
70	10.0824	2	Malt	Wintmalt/Bari 2B08-3145
71	10.0825	2	Malt	Wintmalt/Bari 2B08-3145
72	10.0826	2	Malt	Wintmalt/Bari 2B08-3145
73	10.0828	2	Malt	Wintmalt/Bari 2B08-3145
74	10.0830	2	Malt	Wintmalt/Bari 2B08-3145
75	10.0831	2	Malt	Wintmalt/Bari 2B08-3145
76	10.0832	2	Malt	Wintmalt/Bari 2B08-3145
77	10.0833	2	Malt	Wintmalt/Bari 2B08-3145
78	10.0837	2	Malt	Wintmalt/Bari 2B08-3149
79	10.0839	2	Malt	Wintmalt/Bari 2B08-3149
80	10.0843	2	Malt	Wintmalt/Bari 2B08-3149
81	10.0848	2	Malt	Wintmalt/Bari 2B08-3149
82	10.0851	2	Malt	Wintmalt/Charles
83	10.0854	2	Malt	Wintmalt/Charles
84	10.0859	2	Malt	Wintmalt/Charles
85	10.0861	2	Malt	Wintmalt/Charles
86	10.0865	2	Malt	Wintmalt/Bari 3140
87	10.0867	2	Malt	Wintmalt/Bari 3140
88	10.0870	2	Malt	Wintmalt/Bari 3140
89	10.0871	2	Malt	Wintmalt/Bari 3140
90	10.0876	2	Malt	Wintmalt/Bari 3140
91	10.0877	2	Malt	Wintmalt/Bari 3140
92	10.1183	2	Malt	Wintmalt/Bari 2B08-3145
93	10.1185	2	Malt	Wintmalt/Bari 2B08-3145
94	10.1187	2	Malt	Wintmalt/Bari 2B08-3145
95	10.1194	2	Malt	Wintmalt/Bari 2B08-3145
96	10.1197	2	Malt	Wintmalt/Bari 2B08-3145
97	10.1198	2	Malt	Wintmalt/Bari 2B08-3145
98	10.1200	2	Malt	Wintmalt/Bari 2B08-3145
99	10.1207	2	Malt	Wintmalt/Bari 2B08-3145
100	10.1208	2	Malt	Wintmalt/Bari 2B08-3145
101	10.1210	2	Malt	Wintmalt/Bari 2B08-3145
102	10.1212	2	Malt	Wintmalt/Bari 2B08-3145
103	10.1227	2	Malt	Wintmalt/Bari 2B08-3149

Entry	Name	Type	Use	Parentage
104	10.1231	2	Malt	Wintmalt/Charles
105	10.1233	2	Malt	Wintmalt/Charles
106	10.1724	2	Malt	Wintmalt/Bari 2B08-3149
107	10.0857	2	Malt	Wintmalt/Charles
108	DH 10.1044	2	Malt	KW2-849 x (Luca/Waxbar/Luca)
109	DH 10.1716	2	Malt	Wintmalt/Bari 2B08-3149
110	DH 10.2048	2	Malt	Wintmalt/Bari 3140
111	DH120229	2	Malt	LPZ761/Charles//BCD47
112	DH120251	2	Malt	LPZ761/Charles//BCD47
113	DH120032	2	Malt	Wintmalt/Charles//BCD47
114	DH120046	2	Malt	Wintmalt/Charles//BCD47
115	DH120060	2	Malt	Wintmalt/Charles//BCD47
116	DH120062	2	Malt	Wintmalt/Charles//BCD47
117	DH120063	2	Malt	Wintmalt/Charles//BCD47
118	DH120098	2	Malt	Wintmalt/Charles//BCD47
119	DH120101	2	Malt	Wintmalt/Charles//BCD47
120	DH120103	2	Malt	Wintmalt/Charles//BCD47
121	DH120155	2	Malt	Wintmalt/Charles//BCD47
122	DH120161	2	Malt	Wintmalt/Charles//BCD47
123	DH120164	2	Malt	Wintmalt/Charles//BCD47
124	DH120184	2	Malt	Wintmalt/Charles//BCD47
125	DH120186	2	Malt	Wintmalt/Charles//BCD47
126	DH120192	2	Malt	Wintmalt/Charles//BCD47
127	DH120195	2	Malt	Wintmalt/Charles//BCD47
128	DH120196	2	Malt	Wintmalt/Charles//BCD47
129	DH120228	2	Malt	Wintmalt/Charles//BCD47
130	DH120233	2	Malt	Wintmalt/Charles//BCD47
131	DH120234	2	Malt	Wintmalt/Charles//BCD47
132	BCD47	2	Malt	Orca/Harrington, F1//Harrington, F1/3/D1-72 (D1-72 = Shyri / Galena)
133	DH120093	2	Malt	Golden Promise#1/BISON 1,4,5
134	DH120095	2	Malt	Golden Promise#1/BISON 1,4,5
135	DH120334	2	Malt	Golden Promise#1/BISON 1,4,5
136	DH120117	2	Malt	Golden Promise#1/BISON 1,4,5
137	DH120118	2	Malt	Golden Promise#1/BISON 1,4,5
138	DH120147	2	Malt	Golden Promise#1/BISON 1,4,5
139	DH120218	2	Malt	Golden Promise#1/BISON 1,4,5
140	DH120011	2	Malt	Golden Promise#1/BISON 1,4,5
141	DH120055	2	Malt	Golden Promise#1/BISON 1,4,5
142	DH120121	2	Malt	Golden Promise#1/BISON 1,4,5
143	DH120257	2	Malt	Golden Promise#1/BISON 1,4,5
144	DH120021	2	Malt	Golden Promise#1/BISON 1,4,5
145	DH120040	2	Malt	Golden Promise#1/BISON 1,4,5
146	DH120131	2	Malt	Golden Promise#1/BISON 1,4,5
147	DH120170	2	Malt	Golden Promise#1/BISON 1,4,5
148	DH120222	2	Malt	Golden Promise#1/BISON 1,4,5
149	DH120258	2	Malt	Golden Promise#1/BISON 1,4,5
150	DH120259	2	Malt	Golden Promise#1/BISON 1,4,5
151	DH120292	2	Malt	LPZ76/Charles//BCD47
152	DH120288	2	Malt	Maris Otter #5/BCD47
153	DH130147*	2	Malt	Maris Otter/BCD47
154	DH120270	2	Malt	Maris Otter/BCD47
155	DH120271	2	Malt	Maris Otter/BCD47
156	DH120273	2	Malt	Maris Otter/BCD47

Entry	Name	Type	Use	Parentage
157	DH120274	2	Malt	Maris Otter/BCD47
158	DH120275	2	Malt	Maris Otter/BCD47
159	DH120276	2	Malt	Maris Otter/BCD47
160	DH120277	2	Malt	Maris Otter/BCD47
161	DH120278	2	Malt	Maris Otter/BCD47
162	DH120279	2	Malt	Maris Otter/BCD47
163	DH120280	2	Malt	Maris Otter/BCD47
164	DH120305	2	Malt	Maris Otter/BCD47
165	DH120306	2	Malt	Maris Otter/BCD47
166	DH120308	2	Malt	Maris Otter/BCD47
167	DH120309	2	Malt	Maris Otter/BCD47
168	DH120332	2	Malt	OR101/BCD47
169	DH130149	2	Malt	OR104/KW2-043
170	DH130137	2	Malt	OR104/KW2-043
171	DH120480	2	Malt	OR104/KW2-043
172	DH130011	2	Malt	OR104/KW2-043
173	DH130249	2	Malt	OR107/BCD47
174	DH130048	2	Malt	OR107/BCD47
175	DH130277	2	Malt	OR107/BCD47
176	DH130276	2	Malt	OR107/BCD47
177	DH130157	2	Malt	OR107/BCD47
178	DH130049	2	Malt	OR107/BCD47
179	DH130158	2	Malt	OR818 /BCD47
180	DH120347	2	Malt	OR818 /BCD47
181	DH130033	2	Malt	OR818 /BCD47
182	DH120348	2	Malt	OR818 /BCD47
183	DH130153	2	Malt	OR818 /BCD47
184	DH120490	2	Malt	OR818/Bison 1,4,5
185	DH120383	2	Malt	OR818/Bison 1,4,5
186	DH130051	2	Malt	OR818/Bison 1,4,5
187	DH120329	2	Malt	OR818/KW2-044
188	DH130010	2	Malt	OR91/BCD47
189	DH130151	2	Malt	OR91/BCD47
190	DH130260	2	Malt	OR91/BCD47
191	DH130261	2	Malt	OR91/BCD47
192	DH130262	2	Malt	OR91/BISON 1,4,5
193	DH120363	2	Malt	OR910//MARIS OTTER/BCD47
194	DH120346	2	Malt	OR910//MARIS OTTER/BCD47
195	DH120456	2	Malt	OR910//MARIS OTTER/BCD47
196	DH120486	2	Malt	OR910//MARIS OTTER/BCD47
197	DH130152	2	Malt	OR910/BCD47
198	DH120366	2	Malt	OR910/BCD47
199	DH120370	2	Malt	OR910/BCD47
200	DH130150	2	Malt	OR910/BCD47
201	DH130257	2	Malt	OR910/BISON 1,4,5
202	DH120365	2	Malt	OR92/BCD47
203	DH120378	2	Malt	OR92/BCD47
204	DH120381	2	Malt	OR92/BCD47
205	DH120428	2	Malt	PO71DH87 (TC6W-040)/BCD47
206	DH120417	2	Malt	PO71DH87 (TC6W-040)/BCD47
207	DH130148	2	Malt	PO71DH87 (TC6W-040)/BCD47
208	DH120361	2	Malt	PO71DH87 (TC6W-040)/BCD47
209	DH120454	2	Malt	SHORT11-10 (TC6W261)///LPZ76/Charles//BCD47

Entry	Name	Type	Use	Parentage
210	DH130039	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
211	DH130042	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
212	DH130040	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
213	DH130271	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
214	DH130045	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
215	DH130307	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
216	DH130041	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
217	DH130156	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
218	DH130155	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
219	DH130154	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
220	DH130208	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
221	DH130038	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
222	DH120481	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
223	DH120415	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
224	DH120482	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
225	DH130021	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
226	DH120359	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
227	DH130020	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
228	DH120416	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
229	DH120452	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
230	DH130004	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
231	DH130198	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
232	DH130232	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
233	DH130131	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
234	DH120412	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
235	DH130009	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
236	DH130200	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
237	DH130236	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
238	DH130234	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
239	DH130135	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
240	DH130134	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
241	DH130202	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
242	DH120479	2	Malt	SHORT11-9 (TC6W258)/KW2-042
243	DH130203	2	Malt	SHORT11-9 (TC6W258)/KW2-042
244	DH130251	2	Malt	SHORT11-9 (TC6W258)/KW2-042
245	DH130144	2	Malt	Vanessa/Charles//Bison1,4,5
246	DH120313	2	Malt	Vanessa/Charles//Bison1,4,5
247	DH120314	2	Malt	Wintmalt/Charles//BCD47
248	DH120316	2	Malt	Wintmalt/Charles//BCD47
249	DH120265	2	Malt	Wintmalt/Charles//BCD47
250	DH120266	2	Malt	Wintmalt/Charles//BCD47
251	DH120267	2	Malt	Wintmalt/Charles//BCD47
252	DH120297	2	Malt	Wintmalt/Charles//BCD47
253	DH120269	2	Malt	Wintmalt/Charles//BCD47
254	DH120286	2	Malt	Wintmalt/Charles//BCD47
255	DH120293	2	Malt	BCD47/VIOLETTA
256	DH130637	2	Malt	BCD47/VIOLETTA
257	DH130638	2	Malt	BCD47/VIOLETTA
258	DH130734	2	Malt	BCD47/VIOLETTA
259	DH130736	2	Malt	BCD47/VIOLETTA
260	DH130737	2	Malt	BCD47/VIOLETTA
261	DH130772	2	Malt	BCD47/VIOLETTA
262	DH130864	2	Malt	BCD47/VIOLETTA

Entry	Name	Type	Use	Parentage
263	DH130866	2	Malt	BCD47/VIOLETTA
264	DH130939	2	Malt	BCD47/VIOLETTA
265	DH130941	2	Malt	OR101//HERZ 29494/2991 (35)
266	DH130590	2	Malt	OR104/KW2-043
267	DH130387	2	Malt	OR104/KW2-043
268	DH130833	2	Malt	OR107/BCD47
269	DH130559	2	Malt	OR107/BCD47
270	DH130562	2	Malt	OR818/KW2-042
271	DH130860	2	Malt	OR818/KW2-042
272	DH130935	2	Malt	OR818/KW2-044
273	DH130372	2	Malt	OR818/KW2-044
274	DH130706	2	Malt	OR818/KW2-044
275	DH130740	2	Malt	OR91/BCD47
276	DH130618	2	Malt	OR91/BCD47
277	DH130619	2	Malt	OR91/BCD47
278	DH130620	2	Malt	OR91/KW2-044
279	DH130612	2	Malt	OR910//MARIS OTTER/BCD47
280	DH130847	2	Malt	OR910/BISON 1,4,5
281	DH130460	2	Malt	OR910/MARIS OTTER/BCD47
282	DH130485	2	Malt	OR910/MARIS OTTER/BCD47
283	DH130622	2	Malt	OR92/BCD47
284	DH130542	2	Malt	OR92/BCD47
285	DH130543	2	Malt	OR92/BCD47
286	DH130548	2	Malt	OR92/BCD47
287	DH130928	2	Malt	PO71DH87 (TC6W-040)/BCD47
288	DH130441	2	Malt	PO71DH87 (TC6W-040)/BCD47
289	DH130442	2	Malt	PO71DH87 (TC6W-040)/BCD47
290	DH130711	2	Malt	PO71DH87 (TC6W-040)/BCD47
291	DH130921	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
292	DH130513	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
293	DH130514	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
294	DH130515	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
295	DH130516	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
296	DH130517	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
297	DH130518	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
298	DH130519	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
299	DH130520	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
300	DH130521	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
301	DH130522	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
302	DH130523	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47

Entry	Name	Type	Use	Parentage
303	DH130526	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
304	DH130527	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
305	DH130528	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
306	DH130533	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
307	DH130626	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
308	DH130628	2	Malt	SHORT11-10 (TC6W261)//LPZ76/Charles//BCD47
309	DH130630	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
310	DH130718	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
311	DH130719	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
312	DH130720	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
313	DH130722	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
314	DH130723	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
315	DH130725	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
316	DH130726	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
317	DH130744	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
318	DH130759	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
319	DH130760	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
320	DH130762	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
321	DH130763	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
322	DH130764	2	Malt	SHORT11-10 (TC6W261)/3/LPZ76/Charles//BCD47
323	DH130765	2	Malt	SHORT11-10 (TC6W261)/BISON 1,4,5
324	DH130613	2	Malt	SHORT11-13 (TC6W264)//HERZ 29494/2991 (35)
325	DH130326	2	Malt	SHORT11-13 (TC6W264)//HERZ 29494/2991 (35)
326	DH130327	2	Malt	SHORT11-13 (TC6W264)//HERZ 29494/2991 (35)
327	DH130328	2	Malt	SHORT11-13 (TC6W264)/HERZ 29494/2991 (35)
328	DH130738	2	Malt	SHORT11-13 (TC6W264)/HERZ 29494/2991 (35)
329	DH130819	2	Malt	SHORT11-13 (TC6W264)/HERZ 29494/2991 (35)
330	DH130909	2	Malt	SHORT11-5 (TC6W259)xVANESSA/CHARLES//BISON1,4,5
331	DH130458	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
332	DH130334	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
333	DH130340	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
334	DH130341	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
335	DH130342	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
336	DH130343	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
337	DH130592	2	Malt	SHORT11-7 (TC6W265)//HERZ 29494/2991 (35)
338	DH130748	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
339	DH130820	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
340	DH130824	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
341	DH130825	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
342	DH130826	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
343	DH130829	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
344	DH130830	2	Malt	SHORT11-7 (TC6W265)/HERZ 29494/2991 (35)
345	DH130910	2	Malt	SHORT11-9 (TC6W258)/KW2-042
346	DH130403	2	Malt	SHORT11-9 (TC6W258)/KW2-042
347	DH130404	2	Malt	SHORT11-9 (TC6W258)/KW2-042
348	DH130405	2	Malt	SHORT11-9 (TC6W258)/KW2-042
349	DH130417	2	Malt	SHORT11-9 (TC6W258)/KW2-042
350	DH130609	2	Malt	SHORT11-9 (TC6W258)/KW2-042
351	DH130610	2	Malt	SHORT11-9 (TC6W258)/KW2-042
352	DH130611	2	Malt	SHORT11-9 (TC6W258)/KW2-042
353	DH130709	2	Malt	SHORT11-9 (TC6W258)/KW2-042
354	DH130842	2	Malt	Madre Selva/Butta-12
355	6	2	Malt	Madre Selva/Butta-12

Entry	Name	Type	Use	Parentage
356	20	2	Malt	Madre Selva/Butta-12
357	35	2	Malt	Madre Selva/Butta-12
358	77	2	Malt	Madre Selva/Butta-12
359	103	2	Malt	Madre Selva/Butta-12
360	147	2	Malt	Madre Selva/Butta-12
361	190	2	Malt	Madre Selva/Butta-12
362	191	2	Malt	Parent
363	Butta-12	2	Malt	Parent
364	Msel	2		KW2-849 x (Luca/Waxbar/Luca8)
365	10.0901	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)
366	10.0904	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)
367	10.0923	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)
368	10.0925	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)
369	10.0945	2	Malt	KW2-849 x (Luca/Waxbar/Luca8)
370	10.0988	2	Malt	Golden Promise x BCD47
371	120322	2	Malt	Golden Promise x BCD47
372	120326	2	Malt	Golden Promise x BCD47
373	120329	2	Malt	Golden Promise x BCD47
374	120330	2	Malt	Golden Promise x BCD47
375	120336	2	Malt	Golden Promise x BCD47
376	120339	2	Malt	Golden Promise x BCD47
377	120341	2	Malt	Golden Promise x BCD47
378	120343	2	Malt	Golden Promise x BCD47
379	120344	2	Malt	Golden Promise x BCD47
380	120345	2	Malt	Golden Promise x BCD47
381	120347	2	Malt	Golden Promise x BCD47
382	120350	2	Malt	Golden Promise x BCD47
383	120363	2	Malt	Golden Promise x BCD47
384	120369	2	Malt	Golden Promise x BCD47
385	120371	2	Malt	Golden Promise x BCD47
386	120373	2	Malt	Golden Promise x BCD47
387	120374	2	Malt	Golden Promise x BCD47
388	120381	2	Malt	Golden Promise x BCD47
389	120385	2	Malt	Golden Promise x BCD47
390	120401	2	Malt	Golden Promise x BCD47
391	120510	2	Malt	Golden Promise x BCD47
392	120512	2	Malt	Golden Promise x BCD47
393	120516	2	Malt	Golden Promise x BCD47
394	120527	2	Malt	Golden Promise x BCD47
395	120541	2	Malt	Golden Promise x BCD47
396	120661	2	Malt	Golden Promise x BCD47
397	120668	2	Malt	Golden Promise x BCD47
398	120708	2	Malt	Golden Promise x BCD47
399	120737	2	Malt	Golden Promise x BCD47
400	120745	2	Malt	BCD47/VIOLETTA
401	DH131289	2	Malt	OR818/ENDEAVOR
402	DH131049	2	Malt	OR818/VIOLETTA
403	DH131167	2	Malt	Maris Otter/BCD47
404	DH120181	2	Malt	
405	Alba	6	Feed/Malt	
406	Maja	6	Malt	
407	FULL PINT	2	Malt	

Table 13. Malt Training Population for Corvallis, OR in 2013-14

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Straw Breakage (%)	Scald (%)	Lodging (%)	Stripe Rust (%)	Agronomic Score (1-5)
1 11ID521	2952	108	35	19	90	90	-	5
2 12ID12	4641	106	40	9	90	80	0	4
3 11ID532	4141	110	45	29	80	60	-	5
4 12ID21	4431	105	41	39	80	40	-	4
5 12ID23	3905	111	37	51	80	80	0	4
6 11ID545	3553	107	41	71	80	90	-	5
7 12ID31	3917	110	38	4	90	60	0	3
8 12ID40	5278	114	34	26	80	20	-	3
9 11ID565	3704	104	34	91	90	50	-	5
10 12ID56	3390	111	44	19	90	80	0	5
11 11ID589	3701	106	36	11	20	90	0	5
12 11ID592	2622	101	35	41	80	80	0	4
13 Charles #3	4192	108	39	19	80	80	-	5
14 95SR316A#1	4257	103	39	21	90	80	0	5
15 10.0630	2919	117	39	19	80	80	0	4
16 10.0634	4818	106	44	21	10	15	20	3
17 10.0637	4705	112	42	21	35	20	10	3
18 10.0638	2702	103	37	49	90	80	0	5
19 10.0639	3879	120	37	4	5	80	0	4
20 10.0640	3170	105	32	79	80	80	-	5
21 10.0641	3779	104	40	19	80	70	-	4
22 10.0643	5114	117	44	21	60	50	0	3
23 10.0644	4002	108	40	59	80	80	-	5
24 10.0645	4343	117	46	43	80	60	-	4
25 10.0647	2521	110	33	19	90	80	0	4
26 10.0649	5310	118	46	19	80	0	-	2
27 10.0716	4089	105	37	59	40	50	0	4
28 10.0720	2369	113	39	29	80	90	0	5
29 10.0721	5298	111	35	12	10	20	0	3
30 10.0724	4225	103	42	29	50	20	20	3
31 10.0726	2902	118	46	9	20	50	20	5
32 10.0731	5080	106	41	29	80	70	-	4
33 10.0733	4067	111	39	61	70	70	60	5
34 10.0741	4643	108	32	49	70	60	5	4
35 10.0742	3961	119	40	29	80	50	-	4
36 10.0743	4769	101	2	9	90	70	0	4
37 10.0744	3549	106	38	14	5	20	40	4
38 10.0753	4135	111	38	14	20	60	20	4
39 10.0762	4120	107	38	43	60	30	10	4
40 10.0763	3505	113	39	53	90	10	10	4
41 10.0767	2647	108	38	81	80	10	0	5
42 10.0768	5615	112	40	17	15	60	10	3
43 10.0769	5009	115	36	9	15	30	0	3
44 10.0770	3680	115	38	49	70	40	-	4
45 10.0771	3759	117	35	14	80	30	20	4
46 10.0772	4937	115	37	9	20	20	0	3
47 10.0773	4485	110	39	29	40	20	-	5
48 10.0778	1865	117	40	89	60	30	60	5
49 10.0779	2290	110	47	49	80	40	50	5
50 10.0780	4510	113	37	21	80	55	-	4

Entry Name	Yield (lbs/ac)	Heading	Plant	Straw	Scald (%)	Lodging (%)	Stripe	Agronomic Score (1-5)
		Julian (days from Jan 1)	Height (in)	Breakage (%)			Rust (%)	
51 10.0781	3004	119	44	87	50	20	30	5
52 10.0785	3979	118	41	81	20	30	0	4
53 10.0789	3789	110	36	17	60	90	30	5
54 10.0794	5784	118	39	41	70	20	0	3
55 10.0797	4044	112	44	21	60	60	20	4
56 10.0802	4422	111	36	41	55	50	0	4
57 10.0803	3375	111	40	4	20	80	40	4
58 10.0806	3230	98	39	49	80	80	-	5
59 10.0807	4352	113	40	14	30	20	20	4
60 10.0808	3261	118	38	51	90	30	0	4
61 10.0809	4513	105	33	31	70	90	0	4
62 10.0812	2355	110	33	49	95	80	0	5
63 10.0814	2531	101	35	29	30	50	70	4
64 10.0815	3134	114	36	19	80	80	0	4
65 10.0817	4133	106	40	53	80	50	-	5
66 10.0818	2649	120	30	9	90	90	-	5
67 10.0819	3974	106	41	59	30	30	30	4
68 10.0820	3853	111	43	23	80	80	-	5
69 10.0821	4205	102	37	89	40	0	5	4
70 10.0824	4859	103	37	79	30	20	15	4
71 10.0825	3537	108	39	19	90	80	-	5
72 10.0826	3201	120	43	19	50	50	40	4
73 10.0828	3899	105	36	21	40	70	0	4
74 10.0830	5587	108	41	27	15	10	20	3
75 10.0831	2730	106	33	19	90	90	-	5
76 10.0832	3262	106	33	51	90	80	10	5
77 10.0833	3877	105	38	49	60	10	0	4
78 10.0837	3429	104	36	87	60	70	60	5
79 10.0839	2815	121	38	4	90	80	-	4
80 10.0843	4441	111	39	29	70	90	-	5
81 10.0848	4396	118	42	37	80	30	0	4
82 10.0851	4618	108	40	19	15	60	0	4
83 10.0854	4623	113	36	31	20	40	0	3
84 10.0859	5409	112	41	2	70	30	0	3
85 10.0861	5761	111	43	21	40	50	0	3
86 10.0865	4327	108	33	4	10	80	0	4
87 10.0867	3395	115	35	39	80	40	-	4
88 10.0870	3427	103	37	9	90	90	-	5
89 10.0871	3098	110	39	11	40	50	40	4
90 10.0876	3269	119	38	29	50	20	10	4
91 10.0877	2976	108	37	9	90	90	0	5
92 10.1183	3158	121	37	4	60	0	30	2
93 10.1185	2827	104	33	29	80	90	0	5
94 10.1187	4997	100	39	43	90	30	0	4
95 10.1194	3784	105	38	29	80	80	-	5
96 10.1197	5369	115	43	18	15	15	20	3
97 10.1198	5381	108	34	31	25	90	10	5
98 10.1200	4357	105	42	61	80	50	15	4
99 10.1207	4837	111	34	61	30	20	15	4
100 10.1208	4224	108	38	79	80	25	-	5
101 10.1210	2419	107	31	91	90	40	0	5
102 10.1212	3227	119	39	29	40	90	-	5

Entry Name	Yield (lbs/ac)	Heading	Plant	Straw	Scald (%)	Lodging (%)	Stripe	Agronomic Score (1-5)
		Julian (days from Jan 1)	Height (in)	Breakage (%)			Rust (%)	
103 10.1227	3535	106	33	41	90	90	-	5
104 10.1231	3613	108	31	29	20	50	0	3
105 10.1233	3021	108	37	67	40	80	10	5
106 10.1724	5011	108	43	68	15	0	50	4
107 10.0857	3205	116	31	2	40	90	15	4
108 DH 10.1044	6816	106	38	31	-	0	-	3
109 DH 10.1716	4433	110	43	21	70	20	5	3
110 DH 10.2048	3199	108	31	19	70	20	0	3
111 DH120229	3038	115	41	49	80	50	-	4
112 DH120251	4848	113	42	4	10	10	0	3
113 DH120032	5093	100	33	29	80	40	0	4
114 DH120046	5826	113	43	19	5	10	-	3
115 DH120060	4285	101	43	43	80	40	-	4
116 DH120062	4745	120	30	14	70	0	-	4
117 DH120063	4036	105	34	14	15	70	0	4
118 DH120098	4035	124	29	14	70	0	0	3
119 DH120101	3166	101	38	29	80	60	-	4
120 DH120103	5063	113	34	19	10	0	30	3
121 DH120155	2479	103	29	21	90	90	-	5
122 DH120161	4146	101	39	19	80	80	-	4
123 DH120164	3118	101	37	19	90	80	10	5
124 DH120184	3766	99	36	21	80	70	0	4
125 DH120186	5386	98	46	23	90	80	-	5
126 DH120192	3137	104	33	39	70	90	10	5
127 DH120195	3684	119	31	33	80	0	-	3
128 DH120196	5243	111	43	9	60	0	-	4
129 DH120228	6438	101	40	21	15	70	0	5
130 DH120233	2542	129	20	11	90	0	-	3
131 DH120234	4821	129	29	31	-	0	-	3
132 BCD47	-	-	-	-	-	-	-	-
133 DH120093	3573	104	38	4	80	90	0	4
134 DH120095	2221	104	29	87	90	0	0	5
135 DH120334	3201	105	30	29	80	60	0	4
136 DH120117	3227	97	32	49	80	0	-	4
137 DH120118	3239	101	31	14	85	80	0	4
138 DH120147	3742	99	27	87	90	50	-	5
139 DH120218	3873	119	26	41	80	0	0	3
140 DH120011	3161	98	38	61	70	30	0	4
141 DH120055	3053	104	33	91	90	0	0	5
142 DH120121	4132	104	37	31	50	30	0	3
143 DH120257	3344	113	28	49	90	0	0	4
144 DH120021	3815	104	37	11	80	80	0	4
145 DH120040	2962	104	39	19	80	80	0	4
146 DH120131	3735	98	35	11	50	90	0	4
147 DH120170	2294	101	24	29	90	0	0	3
148 DH120222	3881	106	42	51	40	50	0	4
149 DH120258	3147	99	27	47	80	20	0	4
150 DH120259	3059	107	35	4	90	90	-	5
151 DH120292	4438	104	37	11	60	90	0	4
152 DH120288	5114	101	37	2	10	60	5	3
153 DH130147*	4941	127	24	0	10	0	0	2
154 DH120270	3244	121	22	1	60	0	0	3

Entry Name	Yield (lbs/ac)	Heading	Plant	Straw	Scald (%)	Lodging (%)	Stripe	Agronomic
		Julian (days from Jan 1)	Height (in)	Breakage (%)			Rust (%)	Score (1-5)
155 DH120271	3652	109	40	11	20	10	10	2
156 DH120273	3570	117	24	9	80	0	10	3
157 DH120274	3469	101	32	51	20	60	40	4
158 DH120275	4563	121	23	6	60	0	0	2
159 DH120276	4905	108	43	16	30	5	20	2
160 DH120277	3707	119	32	29	60	0	-	3
161 DH120278	5828	117	30	6	10	0	0	2
162 DH120279	4333	110	41	21	35	40	10	3
163 DH120280	2900	126	24	9	60	0	0	3
164 DH120305	3971	101	36	21	30	90	-	5
165 DH120306	3450	102	47	39	90	40	0	4
166 DH120308	4395	119	25	14	40	0	5	3
167 DH120309	2944	129	26	21	80	0	0	3
168 DH120332	4012	101	32	51	30	90	0	5
169 DH130149	3983	108	31	1	0	0	0	2
170 DH130137	5073	117	43	43	5	20	20	4
171 DH120480	5889	119	40	6	0	5	0	2
172 DH130011	6061	111	43	4	-	0	-	1
173 DH130249	5586	110	44	7	10	5	0	1
174 DH130048	5875	110	35	11	-	0	-	3
175 DH130277	3996	102	44	19	10	80	20	5
176 DH130276	3703	132	32	53	60	0	-	3
177 DH130157	5551	111	37	29	5	20	0	3
178 DH130049	3489	120	33	14	10	0	0	3
179 DH130158	4827	113	30	19	60	0	0	2
180 DH120347	4049	101	40	14	50	50	-	4
181 DH130033	4035	111	33	16	80	0	-	3
182 DH120348	5073	115	41	18	5	5	-	3
183 DH130153	4862	107	46	11	5	15	0	2
184 DH120490	3940	99	45	39	90	80	-	5
185 DH120383	3650	113	43	19	70	70	0	5
186 DH130051	3920	109	46	7	60	80	0	4
187 DH120329	3984	108	46	23	80	50	-	4
188 DH130010	4767	115	49	14	5	50	0	4
189 DH130151	4587	112	45	14	10	10	-	3
190 DH130260	3899	113	37	49	15	0	-	4
191 DH130261	4648	125	33	19	80	0	-	3
192 DH130262	4416	100	48	6	10	90	0	4
193 DH120363	4216	100	42	51	20	70	0	5
194 DH120346	5507	107	50	16	-	20	-	3
195 DH120456	4585	111	41	21	70	60	-	5
196 DH120486	3610	113	46	16	10	10	0	3
197 DH130152	3119	118	41	0	15	0	0	3
198 DH120366	2724	103	47	29	40	90	30	5
199 DH120370	3934	119	26	14	20	10	60	2
200 DH130150	3209	99	44	29	80	40	-	5
201 DH130257	3516	109	39	0	20	0	0	2
202 DH120365	3469	100	36	59	60	20	0	4
203 DH120378	3674	105	41	19	30	70	-	4
204 DH120381	4912	111	33	29	-	0	-	3
205 DH120428	3180	101	43	49	90	50	-	4
206 DH120417	5732	97	40	27	15	80	0	4

Entry Name	Yield (lbs/ac)	Heading	Plant	Straw	Scald (%)	Lodging (%)	Stripe	Agronomic
		Julian (days from Jan 1)	Height (in)	Breakage (%)			Rust (%)	Score (1-5)
207 DH130148	3488	105	44	59	30	80	0	5
208 DH120361	4379	99	44	19	30	50	0	4
209 DH120454	4788	111	34	9	0	0	0	2
210 DH130039	6185	113	35	21	5	10	0	3
211 DH130042	3628	99	43	21	5	60	0	5
212 DH130040	4105	100	36	11	30	90	20	5
213 DH130271	3931	98	41	2	5	100	0	5
214 DH130045	5215	118	34	16	5	0	0	2
215 DH130307	3868	101	39	21	5	80	5	5
216 DH130041	5124	108	33	43	-	0	15	3
217 DH130156	4772	99	40	7	0	80	0	4
218 DH130155	4765	104	43	31	20	60	-	4
219 DH130154	4585	113	34	59	60	0	-	3
220 DH130208	5729	112	22	14	20	0	0	3
221 DH130038	3619	100	35	27	80	50	0	3
222 DH120481	3568	100	31	37	80	80	0	5
223 DH120415	3260	117	31	61	90	0	-	5
224 DH120482	4027	111	26	14	50	0	0	3
225 DH130021	4584	103	43	39	50	50	0	4
226 DH120359	2932	98	36	49	85	80	0	5
227 DH130020	3438	117	31	29	80	0	-	3
228 DH120416	2701	108	32	16	90	0	0	3
229 DH120452	4362	100	44	33	50	30	0	4
230 DH130004	6019	117	35	9	5	0	20	2
231 DH130198	5423	103	41	11	10	15	0	3
232 DH130232	6447	119	29	29	-	0	-	3
233 DH130131	4390	108	34	1	20	0	10	2
234 DH120412	6249	101	40	19	5	0	15	2
235 DH130009	3976	100	43	19	10	30	30	3
236 DH130200	4855	104	43	17	5	10	0	2
237 DH130236	4827	111	37	27	20	20	5	3
238 DH130234	4335	127	33	9	20	0	30	2
239 DH130135	3390	115	29	18	20	0	0	2
240 DH130134	4398	103	43	6	0	40	0	3
241 DH130202	3787	105	42	19	40	0	-	4
242 DH120479	5758	115	52	11	10	10	40	3
243 DH130203	4903	108	41	9	40	30	0	3
244 DH130251	2562	118	46	9	-	0	80	5
245 DH130144	4792	101	36	9	60	80	10	5
246 DH120313	3480	106	39	74	80	10	-	5
247 DH120314	3905	106	37	29	90	80	0	5
248 DH120316	3171	107	39	47	50	90	0	5
249 DH120265	2941	121	26	16	70	0	0	3
250 DH120266	3772	98	39	18	90	30	0	3
251 DH120267	4302	100	36	4	15	5	0	2
252 DH120297	3678	99	39	29	30	90	-	5
253 DH120269	2217	101	48	14	30	50	70	5
254 DH120286	2659	104	34	19	90	90	0	5
255 DH120293	5896	115	39	29	5	20	0	2
256 DH130637	4295	98	37	16	60	20	0	3
257 DH130638	7113	105	30	9	5	0	0	2
258 DH130734	7489	104	28	14	-	0	-	3

Entry Name	Yield (lbs/ac)	Heading	Plant	Straw	Scald (%)	Lodging (%)	Stripe	Agronomic Score (1-5)
		Julian (days from Jan 1)	Height (in)	Breakage (%)			Rust (%)	
259 DH130736	5621	100	41	2	0	70	0	3
260 DH130737	4565	113	30	19	60	0	-	3
261 DH130772	5617	96	38	16	60	0	0	2
262 DH130864	6820	118	28	7	5	0	5	2
263 DH130866	5850	118	25	11	30	0	10	3
264 DH130939	5987	106	42	39	5	0	15	3
265 DH130941	6615	100	43	57	5	30	0	4
266 DH130590	3972	124	49	9	0	30	50	3
267 DH130387	5432	118	43	19	10	10	0	3
268 DH130833	4280	119	36	9	10	40	5	3
269 DH130559	3767	113	32	91	50	0	0	5
270 DH130562	5217	119	28	19	30	0	0	2
271 DH130860	5802	119	47	7	5	20	10	2
272 DH130935	5904	113	43	18	10	30	40	3
273 DH130372	3761	119	48	14	30	0	-	4
274 DH130706	6389	115	48	33	70	70	-	4
275 DH130740	3563	113	39	29	40	90	60	5
276 DH130618	2662	127	32	49	80	0	-	4
277 DH130619	3451	104	44	14	-	50	40	4
278 DH130620	3880	98	41	6	5	90	0	5
279 DH130612	3738	115	40	14	30	70	30	5
280 DH130847	4120	117	43	6	60	90	0	4
281 DH130460	3437	101	36	59	80	20	-	5
282 DH130485	4176	117	48	16	30	70	0	5
283 DH130622	3062	119	46	11	0	0	0	3
284 DH130542	5431	108	33	21	-	0	-	3
285 DH130543	4482	100	39	19	90	80	-	5
286 DH130548	3798	104	43	49	70	0	0	4
287 DH130928	3443	129	26	49	80	0	-	4
288 DH130441	3331	101	41	11	5	60	0	3
289 DH130442	2801	100	45	19	90	90	-	5
290 DH130711	4217	98	42	11	30	20	0	3
291 DH130921	5719	113	29	31	-	0	-	3
292 DH130513	4467	101	42	47	60	90	30	5
293 DH130514	5511	118	33	19	5	0	0	2
294 DH130515	4601	112	28	29	80	70	0	4
295 DH130516	5109	115	35	39	60	0	-	3
296 DH130517	3598	120	29	28	80	0	-	3
297 DH130518	3631	103	36	21	10	80	40	4
298 DH130519	3610	102	44	11	10	20	0	3
299 DH130520	5298	114	31	14	0	5	0	2
300 DH130521	3765	104	43	19	30	80	-	5
301 DH130522	4985	111	30	7	0	0	0	2
302 DH130523	5223	100	40	31	10	90	0	5
303 DH130526	5886	110	39	19	0	10	5	3
304 DH130527	6276	115	37	19	10	0	0	4
305 DH130528	5088	118	33	16	40	0	-	3
306 DH130533	4925	117	31	14	5	0	-	3
307 DH130626	3813	101	36	31	5	60	0	4
308 DH130628	3361	101	37	69	30	90	0	5
309 DH130630	4568	118	38	7	10	5	10	2
310 DH130718	6716	110	37	12	0	0	0	2

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Straw Breakage (%)	Scald (%)	Lodging (%)	Stripe Rust (%)	Agronomic Score (1-5)
311 DH130719	5599	103	44	18	10	50	0	3
312 DH130720	4081	111	36	29	80	0	-	3
313 DH130722	4388	99	43	6	30	90	20	4
314 DH130723	4038	100	40	9	30	40	20	3
315 DH130725	3529	100	41	19	50	75	50	4
316 DH130726	4815	111	32	41	90	15	0	3
317 DH130744	3686	106	39	4	15	90	0	5
318 DH130759	3396	101	43	29	20	80	-	5
319 DH130760	3672	100	36	19	-	70	-	5
320 DH130762	3811	118	30	51	20	60	-	5
321 DH130763	3923	100	44	51	30	20	0	3
322 DH130764	4592	96	36	16	10	80	50	5
323 DH130765	6303	117	35	9	0	0	0	1
324 DH130613	3600	101	43	14	80	80	0	4
325 DH130326	5299	106	42	19	20	20	0	3
326 DH130327	6621	107	39	17	0	10	0	2
327 DH130328	4429	112	46	21	15	60	40	3
328 DH130738	4800	110	40	11	10	70	5	4
329 DH130819	5180	113	41	14	70	0	-	3
330 DH130909	5786	118	33	39	-	0	20	3
331 DH130458	4537	115	33	16	40	0	0	2
332 DH130334	4239	100	43	7	30	10	15	2
333 DH130340	5695	118	28	9	10	0	5	2
334 DH130341	3802	107	41	14	5	50	40	4
335 DH130342	4246	121	26	16	50	0	0	2
336 DH130343	4177	119	31	26	30	0	20	3
337 DH130592	3347	119	30	13	50	0	0	3
338 DH130748	4685	113	44	17	20	40	0	4
339 DH130820	4300	115	26	14	20	0	10	2
340 DH130824	4981	106	38	4	5	30	0	3
341 DH130825	3570	101	42	14	70	50	-	4
342 DH130826	5448	105	45	29	30	50	0	4
343 DH130829	4740	123	36	19	10	0	40	3
344 DH130830	4337	123	27	14	10	5	30	2
345 DH130910	4834	118	45	17	5	10	15	3
346 DH130403	3773	108	45	4	10	0	40	4
347 DH130404	6648	106	39	31	40	60	60	5
348 DH130405	3256	100	39	29	80	90	-	5
349 DH130417	3642	125	33	39	30	0	30	3
350 DH130609	5412	99	48	39	20	40	-	4
351 DH130610	4483	105	46	49	20	0	20	3
352 DH130611	4044	111	41	11	10	0	50	4
353 DH130709	5096	101	42	21	5	40	15	3
354 DH130842	4929	113	34	9	10	0	-	3
355 6	6906	105	28	14	50	0	-	4
356 20	5761	97	38	41	0	0	0	3
357 35	4620	103	29	39	20	0	0	3
358 77	5548	104	26	29	70	0	0	3
359 103	4168	105	33	29	90	0	-	3
360 147	5418	107	37	59	60	10	0	4
361 190	5007	104	36	6	20	0	10	2
362 191	5434	105	28	17	20	5	0	2

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Straw Breakage (%)	Scald (%)	Lodging (%)	Stripe Rust (%)	Agronomic Score (1-5)
363 Butta-12	3675	108	35	21	90	90	10	5
364 Msel	6465	95	34	14	10	0	0	2
365 10.0901	4382	108	36	19	10	40	0	3
366 10.0904	6564	106	40	23	10	30	-	3
367 10.0923	6293	108	34	16	10	20	-	3
368 10.0925	5468	103	38	21	15	15	5	3
369 10.0945	6349	106	39	21	80	60	-	4
370 10.0988	6949	108	36	29	5	30	0	3
371 120322	2827	98	34	14	90	80	0	5
372 120326	3088	111	23	29	80	0	-	4
373 120329	3315	102	29	27	70	50	0	4
374 120330	2768	99	33	14	90	80	0	5
375 120336	4073	106	31	87	90	0	0	4
376 120339	4078	117	30	59	80	20	5	4
377 120341	2883	106	24	37	90	0	0	3
378 120343	3200	104	27	27	70	70	0	4
379 120344	3335	99	30	4	85	90	0	4
380 120345	4392	103	30	87	60	90	0	5
381 120347	2513	103	15	0	95	0	0	3
382 120350	3104	117	25	29	90	0	0	3
383 120363	4980	115	37	81	5	0	-	3
384 120369	3799	104	42	11	20	80	5	4
385 120371	5663	111	27	31	70	0	0	4
386 120373	3705	97	28	51	40	40	30	4
387 120374	3302	108	23	29	80	0	-	3
388 120381	4421	97	28	17	70	10	0	3
389 120385	4139	98	31	29	20	15	0	3
390 120401	4596	104	26	61	20	0	0	3
391 120510	4842	118	27	51	30	0	0	3
392 120512	3871	118	27	79	90	0	-	4
393 120516	2567	111	24	53	90	0	-	4
394 120527	3582	96	32	16	40	0	5	3
395 120541	4045	105	23	31	90	0	-	4
396 120661	4485	109	30	67	70	60	0	5
397 120668	5042	97	34	7	50	90	0	5
398 120708	3976	97	37	12	50	90	0	5
399 120737	3844	110	28	11	50	0	0	2
400 120745	3509	97	31	31	80	90	0	5
401 DH131289	3620	103	43	51	80	10	0	4
402 DH131049	4345	107	44	19	90	80	-	5
403 DH131167	4427	119	48	0	10	5	0	2
404 DH120181	4309	119	44	29	40	80	-	5
405 Alba	5947	124	48	7	5	4	0	2
406 Maja	3972	115	40	91	48	6	0	4
407 FULL PINT	5051	106	27	33	34	2	0	3
Mean	4312	109	37	28	46	35	8	4

Table 14. INUDFOOD Entry list and Pedigrees

(2013-14 International Food Barley Trial)

Entry	Name	Type	Use	Parentage
1	10.0656	2	Food	KW2-849 x Luca/Waxbar/Luca8
2	10.0691	2	Food	KW2-849 x Luca/Waxbar/Luca8
3	10.0883	2	Food	KW2-849 x Luca/Waxbar/Luca8
4	10.0969	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
10	10.1934	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
11	10.1985	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
12	10.1986	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
13	10.2393	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
14	10.0655	2	Food	KW2-849 x Luca/Waxbar/Luca8
15	10.0662	2	Food	KW2-849 x Luca/Waxbar/Luca8
16	10.0686	2	Food	KW2-849 x Luca/Waxbar/Luca8
17	Food 12	2	Food	FB2RYT 41, L/W/L-16-2
18	10.0964	2	Food	KW2-849 x Luca/Waxbar/Luca8
19	10.1119	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
20	10.1135	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
21	10.115	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
22	Food 26	6	Food	FB6RYT 47, 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
25	10.2006	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
26	10.2021	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
27	10.2464	6	Food	Fridericus x Maja/Legacy//Maja/3/Doyce
28	Alba	6	Feed	Strider/Orca
29	Cassia	2	Feed	(Eden x Carat) x Saffron
30	Hispanic			FDO8109-80-2/Mosar

Table 15. INUDFOOD for Corvallis, OR in 2013-14 (Fall Planted)

(2013-14 International Food Barley Trial)

Entry	Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Test Weight (lbs/bu)	Lodging (%)	Brackling (%)	Scald (%)	Protein (%)	Agronomic Score (1-5)
1	10.0656	4661	106	41	62	20	65	5	11.6	4
2	10.0691	4814	106	39	62	23	50	55	11.0	4
3	10.0883	5490	105	41	61	20	38	25	10.7	3
4	10.0969	4486	110	42	60	55	83	35	11.7	4
5	10.1151	4687	104	43	53	45	15	35	11.0	4
6	10.1154	5413	118	45	55	15	15	3	10.9	3
7	10.1328	5984	113	49	55	23	50	5	11.0	4
8	10.1332	5384	110	41	52	15	45	40	10.9	4
9	10.1661	5237	122	44	58	50	60	5	10.4	4
10	10.1934	5499	114	50	50	38	45	3	11.6	4
11	10.1985	4827	120	48	56	20	60	10	9.9	4
12	10.1986	6215	114	42	57	8	45	18	10.0	4
13	10.2393	4857	109	42	52	15	30	10	10.1	4
28	Alba	6601	124	47	52	15	18	3	9.5	3
29	Cassia	6401	122	43	54	10	35	33	11.2	3
	Mean	5370	113	44	56	25	44	19	11	3
	LSD	1399	1	2	2	26	24	33	2	1
	CV	12	1	3	2	50	26	81	9	16
	No. of Reps	2	2	2	2	2	2	2	2	2

Table 16. INUDFOOD for Corvallis, OR in 2013-14 (Winter Planted)

(2013-14 International Food Barley Trial)

Entry	Name	Yield (lbs/ac)	Heading	Plant	Test	Lodging (%)	Brackling (%)	Barley	Leaf	Protein (%)	Agronomic	
			Julian (days from Jan 1)	Height (in)	Weight (lbs/bu)			Stripe Rust (%)	Rust (%)		Score (1-5)	Threshability (1-5)
1	10.0656	3546	148	28	63	0	3	13	1	11.1	4	1
2	10.0691	3622	149	30	64	0	0	3	3	10.9	3	1
3	10.0883	2851	148	28	62	0	0	5	1	11.3	4	1
4	10.0969	3916	144	31	62	0	5	13	0	11.7	3	1
5	10.1151	5030	143	34	61	3	0	3	1	10.7	2	2
6	10.1154	3991	146	35	60	0	0	0	1	11.0	3	3
8	10.1332	5317	145	31	59	0	0	0	5	11.2	3	3
9	10.1661	2827	154	26	61	0	0	0	5	11.4	4	2
11	10.1985	3217	151	32	63	0	0	0	3	12.0	3	2
13	10.2393	3579	147	34	57	0	5	0	1	10.8	3	3
14	10.0655	4056	139	30	63	0	3	23	1	12.8	3	1
15	10.0662	4425	139	33	62	3	3	50	3	12.0	3	2
16	10.0686	2224	154	30	57	0	0	35	1	12.8	5	3
17	Food 12	4767	138	33	63	5	8	40	1	11.6	3	2
18	10.0964	5098	143	34	63	0	8	18	5	11.9	3	1
19	10.1119	5746	141	33	65	3	10	0	8	9.8	3	1
20	10.1135	6224	142	34	63	0	0	0	3	10.1	2	2
21	10.115	4975	147	32	60	0	0	3	3	10.3	4	2
22	Food 26	5818	144	33	63	8	13	35	15	9.0	3	2
23	10.1492	4577	149	30	60	0	0	0	15	10.4	3	2
24	10.1618	4500	149	34	61	0	3	35	3	9.8	3	2
25	10.2006	4162	152	34	60	0	0	40	0	9.5	4	2
26	10.2021	2862	155	26	60	0	0	0	1	12.0	4	2
27	10.2464	4887	150	33	56	0	3	0	13	10.6	3	3
28	Alba	5832	149	40	53	0	8	0	1	9.0	2	.
29	Cassia	4558	152	30	53	0	0	8	0	10.4	3	.
30	Hispanic	6477	146	31	55	0	0	0	1	9.5	2	.
	Mean	4410	147	32	60	1	3	12	3	11	3	2
	LSD	1189	2	2	2	3	5	13	7	1	1	1
	CV	13	1	4	1	173	96	54	101	3	15	16
	No. of Reps	2	2	2	2	2	2	2	2	2	2	2

Table 17. INUDFOOD for Pullman, WA in 2013-14

(2013-14 International Food Barley Trial)

Entry	Name	Yield (lbs/ac)	Plant Height (in)	Test Weight (lbs/bu)
1	10.0656	3740	30	63
2	10.0691	3402	29	63
3	10.0883	2843	33	59
4	10.0969	4136	33	61
5	10.1151	4961	32	56
6	10.1154	5372	31	56
7	10.1328	4180	29	60
8	10.1332	4847	32	55
9	10.1661	3809	30	62
10	10.1934	4505	35	50
11	10.1985	3966	33	58
12	10.1986	3451	29	59
13	10.2393	5305	33	54
28	Alba	4899	29	52
29	Cassia	5000	33	55
	Mean	4294	31	57
	LSD	1241	5	2
	CV	17	10	2
	No. of Reps	3	3	3

Table 18. INUDFOOD for Lleida, Spain in 2013-14

(2013-14 International Food Barley Trial)

Entry Name	Yield (lbs/ac)
1 10.0656	5835
2 10.0691	4938
3 10.0883	7607
4 10.0969	5799
5 10.1151	7249
6 10.1154	7869
7 10.1328	6236
8 10.1332	6018
9 10.1661	4952
10 10.1934	5879
11 10.1985	4911
12 10.1986	7789
13 10.2393	6236
14 10.0655	6566
15 10.0662	5647
16 10.0686	6168
17 Food 12	7673
18 10.0964	5776
19 10.1119	7316
20 10.1135	8015
21 10.115	8336
22 Food 26	6097
23 10.1492	6763
24 10.1618	6418
25 10.2006	7060
26 10.2021	7515
27 10.2464	6602
28 Alba	8534
29 Cassia	7244
30 Hispanic	7143

Mean	6673
LSD	684
CV	5
No. of Reps	2

Table 19. INUDFOOD for Dundee, Scotland in 2013-14

(2013-14 International Food Barley Trial)

Entry	Name	Yield	Heading	Plant	Test	Scald (1-9)	Frost Damage (1-9)
		(lbs/ac)	Julian (days from Jan 1)	Height (in)	Weight (lbs/bu)		
1	10.0656	4336	138	37	59	3	3
2	10.0691	4999	142	39	59	3	2
3	10.0883	4553	139	36	57	3	3
4	10.0969	4947	136	37	55	3	3
5	10.1151	4719	133	35	56	4	4
6	10.1154	5068	141	41	57	3	3
7	10.1328	5439	139	44	59	2	2
8	10.1332	5145	139	34	58	4	5
9	10.1661	5871	144	40	56	3	2
10	10.1934	5358	136	46	56	2	3
11	10.1985	5300	142	44	61	4	3
12	10.1986	6028	137	37	60	2	3
13	10.2393	5675	138	39	57	3	3
14	10.0655	4903	132	33	59	4	3
15	10.0662	5137	133	35	58	3	4
16	10.0686	4768	136	40	58	3	3
17	Food 12	4300	133	35	57	3	4
18	10.0964	5413	136	34	60	3	4
19	10.1119	4769	133	38	58	3	4
20	10.1135	4959	139	35	57	4	7
21	10.115	5384	138	41	55	2	3
22	Food 26	5016	143	38	54	4	5
23	10.1492	5559	139	37	56	2	2
24	10.1618	5441	138	40	56	3	3
25	10.2006	4877	136	39	58	4	6
26	10.2021	5582	139	42	58	3	3
27	10.2464	4821	141	39	57	3	5
28	Alba	8073	147	45	50	2	3
29	Cassia	7771	142	35	49	2	3
30	Hispanic	6304	133	30	50	4	6
Mean		5350	138	38	57	3	3
LSD		620	2	3	3	1	2
CV		6	1	4	2	16	23
No. of Reps		2	2	2	2	2	2

Table 20. EurO2R Entry list and Pedigrees

(2013-14 EurOregon 2-Row)

Entry	Name	Type	Use	Parentage
1	1-1	2	Food	Himalaya/3/Luca/Waxbar//Luca
2	1-4	2	Food	Himalaya/3/Luca/Waxbar//Luca
3	1-6	2	Food	Himalaya/3/Luca/Waxbar//Luca
4	2-4	2	Food	Himalaya/3/Luca/Waxbar//Luca
5	3-3	2	Food	Himalaya/3/Luca/Waxbar//Luca
6	3-4	2	Food	Himalaya/3/Luca/Waxbar//Luca
7	3-5	2	Food	Himalaya/3/Luca/Waxbar//Luca
8	4-4	2	Food	Himalaya/3/Luca/Waxbar//Luca
9	7-3	2	Food	Himalaya/3/Luca/Waxbar//Luca
10	8-1	2	Food	Himalaya/3/Luca/Waxbar//Luca
11	9	2	Food	Vanessa/3/Luca/Waxbar//Luca
12	11-3	2	Food	Wintmalt/3/Luca/Waxbar//Luca
13	13-2	2	Food	Wintmalt/3/Luca/Waxbar//Luca
14	16-1	2	Food	LP6-759/3/Luca/Waxbar//Luca
15	Streaker	6	Food	
16	DZ100289	2	Food	
17	09OR-86 (Buck)	6	Food	
18	Alba	6	Feed	Strider/Orca

Table 21. Euro2R for Corvallis, OR in 2013-14

(2013-14 EuroOregon 2-Row)

Entry Name	Yield (lbs/ac)	Heading	Plant	Test		Lodging (%)	Straw	Barley	Scald (%)	Agronomic	
		Julian (days from Jan 1)	Height (in)	Weight (lbs/bu)	Protein (%)		Breakage (%)	Stripe Rust (%)		Score (1-5)	Threshability (1-5)
1 1-1	5298	120	44	50	10.7	13	48	8	12	3	4
2 1-4	5008	114	41	54	10.8	28	42	13	27	3	3
3 1-6	4895	114	44	51	10.5	42	37	22	13	3	3
4 2-4	4944	103	46	56	11.4	23	52	22	50	4	2
5 3-3	3942	105	41	53	11.2	75	45	12	43	4	4
6 3-4	4408	106	41	54	10.9	75	57	13	45	5	3
7 3-5	4148	114	42	48	11.1	43	47	32	25	4	4
8 4-4	5748	118	44	50	10.1	30	52	12	12	3	3
9 7-3	5009	113	42	47	10.8	22	60	37	5	4	4
10 8-1	4372	110	41	50	10.4	48	73	32	23	4	3
11 9	4711	117	47	59	11.0	28	75	23	17	4	2
12 11-3	4213	117	45	54	10.3	53	82	15	23	4	2
13 13-2	4316	117	43	54	12.2	18	57	7	83	4	3
14 16-1	3630	112	39	60	12.1	45	73	10	83	4	2
15 Streaker	3494	114	42	57	13.4	23	68	0	73	4	3
16 DZ100289	3963	124	52	61	11.7	15	20	13	1	3	2
17 09OR-86	4793	123	47	61	10.7	35	55	0	53	4	2
18 Alba	6138	124	49	52	9.5	3	17	0	2	2	-
Mean	4613	115	44	54	11.0	35	53	15	33	4	3
LSD	766	2	10	-	-	23	24	13	19	1	-
CV	12	1	6	8	8	48	32	62	42	15	28
No. of Reps	3	3	3	1	1	3	3	3	3	3	1

Table 22. EurO2R for Mount Vernon, WA in 2013-14

(2013-14 EurOregon 2 Row)

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Test Weight (lbs/bu)	Protein (%)	Leaf Rust (%)	Scald (%)	Winter Survival (%)	Agronomic Score (1-5)
1 1-1	4095	124	34	55	11.2	4	4	98	3
2 1-4	4305	121	32	63	11.5	5	10	98	3
3 1-6	3878	121	33	55	11.5	4	12	95	3
4 2-4	4740	119	39	55	12.1	7	40	100	3
5 3-3	3803	121	35	59	11.7	15	37	97	3
6 3-4	4272	119	34	60	11.6	7	43	98	3
7 3-5	4117	120	36	58	11.6	5	2	98	3
8 4-4	4091	122	36	59	11.8	5	13	92	3
9 7-3	3688	119	31	56	11.8	4	5	92	3
10 8-1	4622	119	33	54	11.7	4	12	95	3
11 9	3174	124	35	57	12.2	5	10	87	4
12 11-3	3266	126	35	56	11.9	8	8	80	4
13 13-2	3741	124	35	59	12.0	2	50	93	4
14 16-1	2472	122	27	59	12.5	3	58	82	4
15 Streaker	2872	122	33	57	12.5	13	77	87	4
16 DZ100289	4077	128	40	56	11.0	2	2	97	2
17 09OR-86	3271	127	38	56	11.7	1	40	82	3
18 Alba	5799	129	41	55	9.2	7	1	97	2
Mean	3905	123	35	57	11.6	6	24	93	3
LSD	1365	2	8	7	0.6	7	20	8	1
CV	25	1	16	8	3	86	60	6	14
No. of Reps	3	3	3	3	3	3	3	3	3

Table 23. EurO2R for Pullman, WA in 2013-14

(2013-14 Euro Oregon 2 Row Yield Trial)

Entry Name	Yield (lbs/ac)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)
1 Alba	4781	38	95	53	7.9
2 Strider	6648	37	96	51	9.0
3 Verdant	4610	41	93	48	9.1
4 Streaker	4266	34	50	56	8.4
5 09OR-86	5053	35	67	56	9.1
6 Charles	5033	30	97	52	8.9
7 Endeavor	4789	36	96	54	8.5
8 10.0860	4414	30	97	52	8.1
9 10.0777	4456	32	98	54	8.5
10 10.0739	4671	33	97	55	10.2
11 10.0740	3976	26	98	55	9.1
12 TCFW6-194	4740	38	95	51	8.0
13 TCFW6-235	5499	33	87	53	10.0
14 TCFW6-244	6609	40	97	54	10.0
15 TCFW6-193	5211	31	95	52	8.8
16 TCFW6-107	3800	37	92	53	8.8
17 TCFW6-187	5058	40	96	53	8.3
18 TCFW6-140	6254	39	94	53	9.8
19 TCFW6-189	6402	33	97	52	9.2
20 TCFW6-127	5665	40	97	52	7.9
21 TCFW6-141	5385	39	95	53	7.3
22 TCFW6-017	5152	38	96	53	7.8
23 TCFW6-085	5076	33	87	50	7.4
24 TCFW6-139	5584	38	93	53	8.0
25 TCFW6-086	6079	35	91	51	8.3
26 TCFW6-005	5090	41	95	53	8.8
27 TCFW6-027	5352	37	96	51	7.5
28 TCFW6-165	5778	40	96	53	8.7
29 TCFW6-033	3577	38	94	54	8.8
30 TCFW6-053	5803	29	96	51	7.8
31 TCFW6-177	5626	39	96	53	8.0
32 TCFW6-182	5256	38	97	53	8.2
33 Wintmalt	4741	33	97	53	9.6
34 Liga	3415	32	97	53	8.7
35 Maltesse	6205	33	98	54	8.7
36 Nectaria	6112	35	98	54	11.2
37 Violetta	5316	37	97	55	10.4
38 05-5401/01	5331	33	97	53	8.7
39 04/028/36	5017	35	97	53	10.1
40 07/041/8	4356	30	97	54	8.3
41 Malwinta	5308	35	98	53	9.3
42 Ariane	4395	33	98	54	9.6
Mean	5140	35	94	53	8.8
LSD	1176	3	2	2	1
CV	17	6	2	3	12
No. of Reps	3	3	3	3	3

Table 24. Oregon Promise Population Entry list and Pedigrees

Entry	Name	Type	Use	Parentage
1	DH120056	2	Malt	Golden Promise #1/BCD47
2	DH120057	2	Malt	Golden Promise #1/BCD47
3	DH120058	2	Malt	Golden Promise #1/BCD47
4	DH120145	2	Malt	Golden Promise #1/BCD47
5	DH120149	2	Malt	Golden Promise #1/BCD47
6	DH120165	2	Malt	Golden Promise #1/BCD47
7	DH120166	2	Malt	Golden Promise #1/BCD47
8	DH120231	2	Malt	Golden Promise #1/BCD47
9	DH120262	2	Malt	Golden Promise #1/BCD47
10	DH120263	2	Malt	Golden Promise #1/BCD47
11	DH120020	2	Malt	Golden Promise #1/BCD47
12	DH120031	2	Malt	Golden Promise #1/BCD47
13	DH120033	2	Malt	Golden Promise #1/BCD47
14	DH120045	2	Malt	Golden Promise #1/BCD47
15	DH120078	2	Malt	Golden Promise #1/BCD47
16	DH120079	2	Malt	Golden Promise #1/BCD47
17	DH120080	2	Malt	Golden Promise #1/BCD47
18	DH120081	2	Malt	Golden Promise #1/BCD47
19	DH120083	2	Malt	Golden Promise #1/BCD47
20	DH120084	2	Malt	Golden Promise #1/BCD47
21	DH120086	2	Malt	Golden Promise #1/BCD47
22	DH120087	2	Malt	Golden Promise #1/BCD47
23	DH120088	2	Malt	Golden Promise #1/BCD47
24	DH120089	2	Malt	Golden Promise #1/BCD47
25	DH120090	2	Malt	Golden Promise #1/BCD47
26	DH120148	2	Malt	Golden Promise #1/BCD47
27	DH120156	2	Malt	Golden Promise #1/BCD47
28	DH120157	2	Malt	Golden Promise #1/BCD47
29	DH120158	2	Malt	Golden Promise #1/BCD47
30	DH120185	2	Malt	Golden Promise #1/BCD47
31	DH120209	2	Malt	Golden Promise #1/BCD47
32	DH120210	2	Malt	Golden Promise #1/BCD47
33	DH120281	2	Malt	Golden Promise #1/BCD47
34	DH120282	2	Malt	Golden Promise #1/BCD47
35	DH120283	2	Malt	Golden Promise #1/BCD47
36	DH120285	2	Malt	Golden Promise #1/BCD47
37	DH120298	2	Malt	Golden Promise #1/BCD47
38	120203	2	Malt	Golden Promise x BCD47
39	120204	2	Malt	Golden Promise x BCD47
40	120205	2	Malt	Golden Promise x BCD47
41	120206	2	Malt	Golden Promise x BCD47
42	120207	2	Malt	Golden Promise x BCD47
43	120208	2	Malt	Golden Promise x BCD47
44	120209	2	Malt	Golden Promise x BCD47
45	120314	2	Malt	Golden Promise x BCD47

Entry	Name	Type	Use	Parentage
46	120316	2	Malt	Golden Promise x BCD47
47	120317	2	Malt	Golden Promise x BCD47
48	120318	2	Malt	Golden Promise x BCD47
49	120319	2	Malt	Golden Promise x BCD47
50	120321	2	Malt	Golden Promise x BCD47
51	120322	2	Malt	Golden Promise x BCD47
52	120323	2	Malt	Golden Promise x BCD47
53	120324	2	Malt	Golden Promise x BCD47
54	120325	2	Malt	Golden Promise x BCD47
55	120326	2	Malt	Golden Promise x BCD47
56	120328	2	Malt	Golden Promise x BCD47
57	120329	2	Malt	Golden Promise x BCD47
58	120330	2	Malt	Golden Promise x BCD47
59	120331	2	Malt	Golden Promise x BCD47
60	120332	2	Malt	Golden Promise x BCD47
61	120333	2	Malt	Golden Promise x BCD47
62	120334	2	Malt	Golden Promise x BCD47
63	120335	2	Malt	Golden Promise x BCD47
64	120336	2	Malt	Golden Promise x BCD47
65	120338	2	Malt	Golden Promise x BCD47
66	120339	2	Malt	Golden Promise x BCD47
67	120340	2	Malt	Golden Promise x BCD47
68	120341	2	Malt	Golden Promise x BCD47
69	120342	2	Malt	Golden Promise x BCD47
70	120343	2	Malt	Golden Promise x BCD47
71	120344	2	Malt	Golden Promise x BCD47
72	120345	2	Malt	Golden Promise x BCD47
73	120346	2	Malt	Golden Promise x BCD47
74	120347	2	Malt	Golden Promise x BCD47
75	120349	2	Malt	Golden Promise x BCD47
76	120350	2	Malt	Golden Promise x BCD47
77	120351	2	Malt	Golden Promise x BCD47
78	120352	2	Malt	Golden Promise x BCD47
79	120353	2	Malt	Golden Promise x BCD47
80	120355	2	Malt	Golden Promise x BCD47
81	120357	2	Malt	Golden Promise x BCD47
82	120358	2	Malt	Golden Promise x BCD47
83	120359	2	Malt	Golden Promise x BCD47
84	120360	2	Malt	Golden Promise x BCD47
85	120361	2	Malt	Golden Promise x BCD47
86	120362	2	Malt	Golden Promise x BCD47
87	120363	2	Malt	Golden Promise x BCD47
88	120364	2	Malt	Golden Promise x BCD47
89	120365	2	Malt	Golden Promise x BCD47
90	120366	2	Malt	Golden Promise x BCD47
91	120368	2	Malt	Golden Promise x BCD47
92	120369	2	Malt	Golden Promise x BCD47
93	120371	2	Malt	Golden Promise x BCD47

Entry	Name	Type	Use	Parentage
94	120373	2	Malt	Golden Promise x BCD47
95	120374	2	Malt	Golden Promise x BCD47
96	120375	2	Malt	Golden Promise x BCD47
97	120376	2	Malt	Golden Promise x BCD47
98	120377	2	Malt	Golden Promise x BCD47
99	120378	2	Malt	Golden Promise x BCD47
100	120380	2	Malt	Golden Promise x BCD47
101	120381	2	Malt	Golden Promise x BCD47
102	120382	2	Malt	Golden Promise x BCD47
103	120383	2	Malt	Golden Promise x BCD47
104	120384	2	Malt	Golden Promise x BCD47
105	120385	2	Malt	Golden Promise x BCD47
106	120386	2	Malt	Golden Promise x BCD47
107	120387	2	Malt	Golden Promise x BCD47
108	120388	2	Malt	Golden Promise x BCD47
109	120393	2	Malt	Golden Promise x BCD47
110	120394	2	Malt	Golden Promise x BCD47
111	120395	2	Malt	Golden Promise x BCD47
112	120396	2	Malt	Golden Promise x BCD47
113	120397	2	Malt	Golden Promise x BCD47
114	120398	2	Malt	Golden Promise x BCD47
115	120399	2	Malt	Golden Promise x BCD47
116	120400	2	Malt	Golden Promise x BCD47
117	120401	2	Malt	Golden Promise x BCD47
118	120402	2	Malt	Golden Promise x BCD47
119	120403	2	Malt	Golden Promise x BCD47
120	120503	2	Malt	Golden Promise x BCD47
121	120505	2	Malt	Golden Promise x BCD47
122	120509	2	Malt	Golden Promise x BCD47
123	120510	2	Malt	Golden Promise x BCD47
124	120512	2	Malt	Golden Promise x BCD47
125	120516	2	Malt	Golden Promise x BCD47
126	120518	2	Malt	Golden Promise x BCD47
127	120520	2	Malt	Golden Promise x BCD47
128	120521	2	Malt	Golden Promise x BCD47
129	120523	2	Malt	Golden Promise x BCD47
130	120524	2	Malt	Golden Promise x BCD47
131	120525	2	Malt	Golden Promise x BCD47
132	120526	2	Malt	Golden Promise x BCD47
133	120527	2	Malt	Golden Promise x BCD47
134	120528	2	Malt	Golden Promise x BCD47
135	120529	2	Malt	Golden Promise x BCD47
136	120530	2	Malt	Golden Promise x BCD47
137	120531	2	Malt	Golden Promise x BCD47
138	120532	2	Malt	Golden Promise x BCD47
139	120534	2	Malt	Golden Promise x BCD47
140	120535	2	Malt	Golden Promise x BCD47
141	120536	2	Malt	Golden Promise x BCD47

Entry	Name	Type	Use	Parentage
142	120537	2	Malt	Golden Promise x BCD47
143	120538	2	Malt	Golden Promise x BCD47
144	120539	2	Malt	Golden Promise x BCD47
145	120540	2	Malt	Golden Promise x BCD47
146	120541	2	Malt	Golden Promise x BCD47
147	120543	2	Malt	Golden Promise x BCD47
148	120545	2	Malt	Golden Promise x BCD47
149	120654	2	Malt	Golden Promise x BCD47
150	120655	2	Malt	Golden Promise x BCD47
151	120657	2	Malt	Golden Promise x BCD47
152	120658	2	Malt	Golden Promise x BCD47
153	120659	2	Malt	Golden Promise x BCD47
154	120661	2	Malt	Golden Promise x BCD47
155	120662	2	Malt	Golden Promise x BCD47
156	120663	2	Malt	Golden Promise x BCD47
157	120664	2	Malt	Golden Promise x BCD47
158	120665	2	Malt	Golden Promise x BCD47
159	120666	2	Malt	Golden Promise x BCD47
160	120668	2	Malt	Golden Promise x BCD47
161	120669	2	Malt	Golden Promise x BCD47
162	120670	2	Malt	Golden Promise x BCD47
163	120671	2	Malt	Golden Promise x BCD47
164	120672	2	Malt	Golden Promise x BCD47
165	120673	2	Malt	Golden Promise x BCD47
166	120674	2	Malt	Golden Promise x BCD47
167	120675	2	Malt	Golden Promise x BCD47
168	120677	2	Malt	Golden Promise x BCD47
169	120678	2	Malt	Golden Promise x BCD47
170	120679	2	Malt	Golden Promise x BCD47
171	120680	2	Malt	Golden Promise x BCD47
172	120682	2	Malt	Golden Promise x BCD47
173	120683	2	Malt	Golden Promise x BCD47
174	120685	2	Malt	Golden Promise x BCD47
175	120688	2	Malt	Golden Promise x BCD47
176	120690	2	Malt	Golden Promise x BCD47
177	120691	2	Malt	Golden Promise x BCD47
178	120695	2	Malt	Golden Promise x BCD47
179	120696	2	Malt	Golden Promise x BCD47
180	120698	2	Malt	Golden Promise x BCD47
181	120699	2	Malt	Golden Promise x BCD47
182	120700	2	Malt	Golden Promise x BCD47
183	120703	2	Malt	Golden Promise x BCD47
184	120707	2	Malt	Golden Promise x BCD47
185	120708	2	Malt	Golden Promise x BCD47
186	120709	2	Malt	Golden Promise x BCD47
187	120714	2	Malt	Golden Promise x BCD47
188	120715	2	Malt	Golden Promise x BCD47
189	120718	2	Malt	Golden Promise x BCD47

Entry	Name	Type	Use	Parentage
190	120719	2	Malt	Golden Promise x BCD47
191	120722	2	Malt	Golden Promise x BCD47
192	120724	2	Malt	Golden Promise x BCD47
193	120725	2	Malt	Golden Promise x BCD47
194	120726	2	Malt	Golden Promise x BCD47
195	120729	2	Malt	Golden Promise x BCD47
196	120730	2	Malt	Golden Promise x BCD47
197	120731	2	Malt	Golden Promise x BCD47
198	120733	2	Malt	Golden Promise x BCD47
199	120737	2	Malt	Golden Promise x BCD47
200	120740	2	Malt	Golden Promise x BCD47
201	120744	2	Malt	Golden Promise x BCD47
202	120745	2	Malt	Golden Promise x BCD47
203	Golden Promise	2	Malt	
204	BCD47	2	Malt	
205	BARONESSE	2	Feed	

Table 25. Oregon Promise Population for Corvallis, OR in 2014

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Lodging (%)	Straw Breakage (%)	Stripe Rust (%)	Leaf Rust (%)	Agronomic Score (1-5)
1 DH120056	4012	142	33	96	55	15	25	0	3	4
2 DH120057	4606	145	35	97	54	39	19	1	0	3
3 DH120058	4302	148	25	96	55	19	4	1	0	3
4 DH120145	4821	151	24	96	55	3	3	0	0	3
5 DH120149	2122	148	20	94	51	5	3	10	0	4
6 DH120165	4213	148	21	92	54	15	20	23	8	4
7 DH120166	4920	153	24	94	53	3	3	0	3	3
8 DH120231	3238	141	17	84	53	3	3	28	3	3
9 DH120262	3410	136	28	92	55	8	13	33	10	3
10 DH120263	2400	144	17	85	49	0	3	20	45	4
11 DH120020	4106	142	31	97	56	8	10	13	0	3
12 DH120031	3784	142	31	95	56	15	20	20	0	3
13 DH120033	3817	144	27	96	55	5	5	0	25	3
14 DH120045	4708	144	37	96	57	75	25	0	3	4
15 DH120078	4240	142	20	78	54	3	3	33	5	4
16 DH120079	4265	147	16	79	53	3	3	35	3	4
17 DH120080	3813	143	19	91	54	3	5	18	3	4
18 DH120081	4638	149	28	92	55	33	25	0	5	4
19 DH120083	3396	138	24	87	54	3	3	8	55	4
20 DH120084	3772	140	30	95	55	60	70	0	30	5
21 DH120086	3661	140	26	96	52	0	8	23	10	3
22 DH120087	4297	144	32	82	54	18	18	0	30	4
23 DH120088	3588	141	20	76	54	8	3	5	38	4
24 DH120089	4672	146	30	96	52	30	15	10	20	3
25 DH120090	3939	140	24	92	53	8	3	13	8	3
26 DH120148	-	-	-	-	-	-	-	-	-	-
27 DH120156	4358	145	29	94	54	13	8	8	0	3
28 DH120157	4022	145	19	87	54	5	3	15	8	4
29 DH120158	3730	142	18	91	54	3	3	20	8	4
30 DH120185	3797	141	19	82	53	5	10	25	45	4
31 DH120209	4709	147	25	89	55	55	25	20	8	4
32 DH120210	1732	147	19	72	48	0	0	13	55	5
33 DH120281	4267	144	37	97	56	73	25	28	3	4
34 DH120282	2488	152	16	61	50	3	3	25	40	4
35 DH120283	2693	142	23	81	51	5	5	40	55	4
36 DH120285	3729	146	23	96	53	8	3	0	5	3
37 DH120298	2986	146	19	71	49	5	3	13	63	4
38 120203	2824	140	14	43	51	13	5	10	55	4
39 120204	2736	143	23	69	48	5	8	5	38	3
40 120205	4574	141	28	87	53	3	3	3	23	3
41 120206	3683	141	30	95	54	20	30	40	8	4
42 120207	3049	148	22	95	55	13	10	15	3	3
43 120208	3230	147	18	37	50	15	8	25	35	4
44 120209	3335	138	23	80	52	8	3	3	65	3
45 120314	4207	138	26	96	56	5	5	25	8	3
46 120316	3854	141	26	89	53	13	10	28	40	3
47 120317	3768	148	19	92	54	8	3	23	3	3
48 120318	3921	141	31	92	56	50	40	35	10	4
49 120319	3815	147	22	78	52	8	5	35	35	3
50 120321	3667	146	17	88	51	0	0	18	5	4
51 120322	4446	138	34	99	57	50	30	23	5	4
52 120323	4385	140	32	98	54	60	55	10	0	4
53 120324	4570	138	29	53	55	15	13	20	3	3
54 120325	4544	138	30	93	56	25	23	25	3	4
55 120326	3809	147	23	84	53	8	3	8	35	4
56 120328	3239	147	18	48	50	3	3	8	40	4
57 120329	4552	141	27	91	56	8	8	5	8	2
58 120330	4432	143	30	98	54	23	23	3	3	3
59 120331	4148	138	26	95	54	10	8	13	3	3
60 120332	3857	139	22	82	54	13	13	0	35	3
61 120333	3421	148	34	93	54	25	38	0	28	4

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Lodging (%)	Straw Breakage (%)	Stripe Rust (%)	Leaf Rust (%)	Agronomic Score (1-5)
62 120334	4182	143	20	95	54	10	10	25	3	4
63 120335	3424	154	22	91	52	5	3	0	28	3
64 120336	4591	140	24	97	56	35	8	8	0	4
65 120338	3308	145	17	55	49	3	3	0	38	4
66 120339	4218	149	25	90	56	30	18	23	3	4
67 120340	3572	144	26	84	52	5	8	0	40	3
68 120341	4122	145	20	94	56	8	5	0	3	3
69 120342	3413	139	24	89	53	5	3	30	8	3
70 120343	4442	146	27	86	55	3	8	15	15	3
71 120344	4403	140	27	69	54	35	45	8	35	4
72 120345	3095	143	25	83	51	15	18	55	5	3
73 120346	2454	150	17	59	47	5	0	10	45	4
74 120347	3777	143	17	83	54	0	0	10	3	3
75 120349	3665	140	27	87	52	40	60	15	35	5
76 120350	3397	148	20	88	53	5	8	0	30	4
77 120351	4122	147	21	93	51	8	5	28	3	4
78 120352	3272	142	19	87	51	5	3	28	3	4
79 120353	4340	148	24	86	54	15	10	0	30	3
80 120355	3801	139	24	79	53	0	5	15	35	3
81 120357	3032	146	19	72	53	3	3	20	43	4
82 120358	4067	150	18	88	54	0	0	0	18	4
83 120359	3641	145	17	53	52	5	3	20	40	4
84 120360	3692	145	19	90	54	8	3	3	38	4
85 120361	3180	149	18	56	47	5	3	0	23	4
86 120362	3955	149	20	90	53	8	5	3	23	4
87 120363	4419	148	26	94	54	25	25	0	0	3
88 120364	3014	141	22	76	51	13	18	25	35	4
89 120365	4019	138	25	92	55	8	8	20	10	3
90 120366	4542	144	27	92	54	5	5	10	5	3
91 120368	4271	147	32	85	52	15	25	0	20	3
92 120369	4313	145	35	93	54	8	10	5	30	3
93 120371	4405	148	24	85	55	5	5	0	25	3
94 120373	3843	139	28	74	54	35	60	23	50	4
95 120374	4337	146	23	96	56	10	8	18	8	3
96 120375	3309	145	18	83	53	3	3	20	8	3
97 120376	1421	142	19	84	50	1	1	40	12	4
98 120377	4244	142	30	96	55	13	18	45	8	3
99 120378	3603	140	23	87	53	10	15	10	65	4
100 120380	2814	145	16	45	48	3	8	10	45	4
101 120381	4481	141	28	92	55	10	10	25	5	3
102 120382	3730	142	21	83	51	8	13	45	5	4
103 120383	3749	143	18	37	49	5	8	5	35	3
104 120384	4709	148	24	91	56	8	10	3	3	3
105 120385	4328	138	24	89	54	30	45	8	65	5
106 120386	2550	148	18	49	49	3	5	15	30	4
107 120387	3279	149	22	96	54	5	3	0	38	4
108 120388	3090	146	23	76	52	60	30	5	48	4
109 120393	2552	147	18	84	53	8	3	13	15	4
110 120394	3037	142	17	44	49	3	5	0	55	4
111 120395	4399	144	36	90	56	40	60	13	23	4
112 120396	3430	139	24	85	53	8	18	15	50	3
113 120397	3631	142	20	77	54	15	18	13	8	4
114 120398	3660	151	21	93	54	15	13	0	43	3
115 120399	4186	139	24	88	55	3	5	35	8	3
116 120400	3641	138	25	87	54	10	18	60	15	4
117 120401	3658	144	26	81	52	10	15	15	40	4
118 120402	3920	148	23	81	53	13	13	0	40	3
119 120403	4212	141	27	89	55	5	8	25	40	3
120 120503	3864	144	18	86	54	5	3	15	18	3
121 120505	3787	149	23			13	10	5	25	3
122 120509	4236	147	22	92	53	8	10	0	20	3
123 120510	4081	149	24	98	56	5	8	8	3	3
124 120512	4206	147	22	85	54	15	15	3	10	3
125 120516	4682	147	22	93	54	10	18	23	0	4
126 120518	2521	144	18	63	51	0	3	3	50	4

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Lodging (%)	Straw Breakage (%)	Stripe Rust (%)	Leaf Rust (%)	Agronomic Score (1-5)
127 120520	3746	139	24	91	53	8	15	3	15	3
128 120521	4433	147	22	95	56	3	3	0	8	4
129 120523	4151	140	28	95	55	28	40	23	8	4
130 120524	3753	142	30	98	54	3	5	0	8	2
131 120525	4421	139	28	93	55	35	50	10	20	4
132 120526	4034	145	31	85	55	10	8	0	13	3
133 120527	3754	139	27	91	56	10	10	35	18	4
134 120528	4102	143	30	95	55	65	48	0	0	4
135 120529	3608	140	25	95	54	3	5	10	13	3
136 120530	3423	148	17	82	50	13	13	30	5	4
137 120531	3349	143	17	59	51	5	8	0	35	4
138 120532	4238	146	19	78	52	3	8	18	13	3
139 120534	3357	139	23	78	50	10	13	40	50	4
140 120535	3560	140	25	85	52	5	8	18	45	3
141 120536	4793	144	24	97	54	15	13	0	3	3
142 120537	2986	143	19	42	49	3	3	10	45	4
143 120538	3666	147	30	88	52	18	30	8	50	4
144 120539	3710	141	20	92	54	10	15	23	15	4
145 120540	4895	147	24	92	54	40	40	0	5	4
146 120541	4704	145	23	87	53	8	8	5	40	3
147 120543	4308	152	26	97	55	8	8	0	0	3
148 120545	3652	139	22	92	53	10	8	40	15	4
149 120654	3602	148	22	88	51	15	10	0	38	3
150 120655	4516	140	29	94	56	35	30	15	8	4
151 120657	4426	149	24	96	55	5	5	8	5	3
152 120658	3173	146	20	71	50	18	45	18	40	4
153 120659	4283	146	22	95	54	8	8	3	40	4
154 120661	5370	146	24	96	56	10	8	10	5	3
155 120662	3781	142	19	83	52	15	15	10	40	4
156 120663	3638	139	23	79	53	10	18	5	50	4
157 120664	3298	141	26	93	55	5	3	13	13	3
158 120665	4490	142	27	86	55	20	10	8	18	3
159 120666	3260	143	27	83	53	6	6	-1	37	3
160 120668	4106	137	35	97	57	30	35	3	45	3
161 120669	3316	138	24	73	52	15	20	25	60	3
162 120670	3992	142	26	84	55	5	8	0	48	3
163 120671	4136	141	27	94	54	8	5	15	8	3
164 120672	3872	139	27	91	54	20	15	35	45	4
165 120673	4216	138	26	95	54	8	10	30	15	3
166 120674	5601	140	34	97	56	75	55	5	3	4
167 120675	4052	146	25	85	55	10	5	23	38	3
168 120677	4316	142	19	84	54	5	5	0	15	3
169 120678	3065	146	17	74	52	1	1	10	27	4
170 120679	3527	141	17	84	54	0	3	20	3	4
171 120680	3967	141	24	92	54	5	5	28	8	3
172 120682	4550	147	19	84	54	5	5	3	3	3
173 120683	4159	147	23	86	53	15	20	13	30	3
174 120685	4200	142	28	95	56	8	23	13	28	3
175 120688	3854	139	26	84	52	15	15	30	60	4
176 120690	4746	153	24	82	54	23	10	0	8	3
177 120691	3878	146	22	95	54	8	5	0	3	3
178 120695	4512	142	29	90	54	23	28	5	25	4
179 120696	4041	144	17	75	54	10	3	0	55	4
180 120698	3050	150	19	70	48	8	0	8	40	4
181 120699	1761	148	18	46	45	0	0	45	45	5
182 120700	3551	145	18	88	50	5	8	35	5	4
183 120703	3594	141	19	82	52	5	5	38	3	4
184 120707	3349	137	22	80	54	8	5	30	60	4
185 120708	4396	141	30	91	56	20	33	0	25	3
186 120709	3945	141	28	90	53	23	15	0	20	3
187 120714	3330	139	26	86	53	18	20	65	10	4
188 120715	4981	148	25	91	56	25	30	10	0	4
189 120718	4380	146	21	90	54	18	10	3	40	4
190 120719	4374	141	36	94	57	35	50	35	15	4
191 120722	4338	142	34	97	58	13	20	5	8	3

Entry Name	Yield (lbs/ac)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Lodging (%)	Straw Breakage (%)	Stripe Rust (%)	Leaf Rust (%)	Agronomic Score (1-5)
192 120724	4039	142	19	88	52	8	5	30	8	4
193 120725	4410	149	22	72	53	13	10	3	45	3
194 120726	4263	139	28	93	55	10	20	33	8	4
195 120729	4795	141	27	87	56	8	8	20	13	3
196 120730	4558	140	32	92	56	15	18	30	40	4
197 120731	4558	143	27	94	55	20	15	3	5	3
198 120733	3969	138	26	85	55	20	20	20	50	4
199 120737	3688	147	22	90	53	18	18	0	38	4
200 120740	3510	137	26	95	55	8	10	28	10	4
201 120744	4042	142	20	82	54	3	3	0	3	4
202 120745	4780	141	30	93	55	15	18	5	3	4
203 Golden Promise	3932	145	25	82	54	8	8	3	23	3
204 BCD47	4652	143	25	97	57	8	10	8	0	3
205 BARONESSE	4806	144	28	93	57	13	10	23	5	3
Mean	3874	143	24	85	53	13	13	14	21	3
LSD	768	2	6	0	0	13	13	13	19	1
CV	12	1	6	15	4	58	60	58	55	12
No. of Reps	2	2	2	1	1	2	2	2	2	2

Table 26. Spring Hooded Trial Entry list and Pedigrees

Entry	Name	Type	Use	Parentage
1	BSR26	2	Forage	Tango/Sara T/S 4
2	BSR27	2	Forage	Tango/Sara T/S 50
3	BSR28	6	Forage	Composite cross 99b
4	BSR29	6	Forage	Composite cross 99b
5	Haybet	2	Forage	
6	Hays	2	Forage	
7	Lavina	2	Forage	
8	Stockford	2	Forage	
9	Verdant	6	Forage	

Table 27. Spring Hooded Trial for Corvallis, OR in 2014

Variety	Heading	Lodging (%)	Brackling (%)	Barley	Leaf		Mildew (%)	Yield (lbs/ac)
	Julian (days from Jan 1)			Stripe Rust (%)	Rust (%)	Scald (%)		
BSR26	108	0	5	5	13	0	13	5004
BSR27	109	3	20	0	5	0	18	6666
BSR28	113	0	8	0	0	0	18	5616
BSR29	107	0	8	8	0	5	5	5687
Haybet	110	10	90	35	18	0	25	5127
Hays	96	5	20	35	0	0	25	6253
LaVina	99	0	8	30	0	15	25	6013
Stockford	106	0	8	30	0	0	25	4951
Mean	106	2	21	18	4	3	19	5665
R2	1	1	1	1	1	1	1	1
CV	4	12	29	42	61	10	25	8
LSD	8	5	11	14	5	5	9	879

Notes:

Verdant was not included in Corvallis trial.

Table 28. Spring Hooded Trial for Lebanon, OR in 2014

Variety	Heading		
	Julian (days from Jan 1)	BYDV (%)	Yield (lbs/ac)
BSR26	151	10	5666
BSR27	153	5	7539
BSR28	157	10	7443
BSR29	158	15	5618
Haybet	155	10	5282
Hays	157	20	7299
LaVina	156	15	6914
Stockford	150	30	4033
Verdant	NA	NA	1008
Mean	155	14	5645
R2	1	1	1
CV%	5	35	11
LSD	5	10	734

Notes:

Verdant had vernalization issues so only yields were taken, which are also skewed.

Table 29. Spring Hooded Trial for Maxwell, CA in 2014

Variety	CYDV (%)	Grain Yield (lbs/ac)	Forage Yield (lbs/ac)
BSR26	10	1825	23479
BSR27	20	4514	26993
BSR28	0	3265	20284
BSR29	10	3073	16132
Haybet	0	2161	24916
Hays	0	1489	20284
LaVina	10	2113	25507
Stockford	30	2401	20444
Verdant	0	3169	22680
Mean	9	2668	22302
R2	1	1	1
CV%	41	31	16
LSD	9	1554	6541

Table 30. Spring Hooded Trial for Clarksburg, CA in 2014

Variety	CYDV (%)	Grain Yield (lbs/ac)	Forage Yield (lbs/ac)
BSR26	10	3361	58218
BSR27	15	8115	80978
BSR28	50	6482	58458
BSR29	30	7587	49353
Haybet	50	4706	30906
Hays	30	8211	70916
LaVina	20	6002	38093
Stockford	70	3505	72114
Verdant	5	4658	75947
Mean	31	5847	59442
R2	1	1	1
CV%	15	20	16
LSD	10	2138	17566