

Barley Project Agronomic Trait Data 2013



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2013 agronomic data for Oregon State University barley yield trials

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Note: RCB = Randomized Complete Block design

Notes:

Straw Breakage (Brackling): Rated as percent breakage at nodes, prior to harvest

Stripe Rust: Percent severity on plot basis (0-100)

Scald: Percent severity on plot basis (0-100)

Agronomic Score: 1 (terrible) to 10 (beautiful)

Differential winter survival for Fort Collins, Colorado (no percent given).

All barleys tested at Soda Springs, ID and St. Paul, Minnesota reported dead.

Alba Planting Date Yield Assessment:

During the 2012-13 growing season in Corvallis, OR, trials were planted at our target fall-sown seeding date (Oct. 18, 2012) and during mid-winter (Feb. 15, 2013). Alba was planted at both of these seeding dates. The yield of Alba ranged from 6929 to 7626 lbs/A in the fall-sown trials and yield was estimated at 6687 lbs/A in the mid-winter planting, a decrease of 3-12%. With the reduction in yield there was also a substantial reduction in height. Although Alba did not exhibit any lodging in either case, a reduction in height may be beneficial under certain circumstances.

Table 1. O2Malt Entry list and Pedigrees

(2012-13 Oregon 2-Row Malting Barley Yield Trial)

Entry	Name	Type	Use	Parentage
1	10.0626	2	Malting	Wintmalt/Bari 2B08-3145
2	10.0627	2	Malting	Wintmalt/Bari 2B08-3145
3	10.0834	2	Malting	Wintmalt/Bari 2B08-3145
4	10.0736	2	Malting	Wintmalt/Bari 2B08-3149
5	10.0739	2	Malting	Wintmalt/Bari 2B08-3149
6	10.0740	2	Malting	Wintmalt/Bari 2B08-3149
7	10.0761	2	Malting	Wintmalt/Bari 2B08-3149
8	10.0764	2	Malting	Wintmalt/Bari 2B08-3149
9	10.0835	2	Malting	Wintmalt/Bari 2B08-3149
10	10.0844	2	Malting	Wintmalt/Bari 2B08-3149
11	10.0777	2	Malting	Wintmalt/Charles
12	10.0782	2	Malting	Wintmalt/Charles
13	10.0787	2	Malting	Wintmalt/Charles
14	10.0791	2	Malting	Wintmalt/Charles
15	10.0849	2	Malting	Wintmalt/Charles
16	10.0852	2	Malting	Wintmalt/Charles
17	10.0856	2	Malting	Wintmalt/Charles
18	10.0860	2	Malting	Wintmalt/Charles
19	Charles	2	Malting	Bearpaw/81Ab1702
20	Endeavor	2	Malting	ORWM8406/Harrington
21	Violetta	2	Malting	
22	Wintmalt	2	Malting	

Table 2. O2Malt for Corvallis, OR in 2012-13

(2012-13 Oregon 2-Row Malting Barley Yield Trial)

Entry Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald	Lodging	Agronomic
		Julian (days from Jan 1)	Height (in)	(on 6/64)	Weight (lbs/bu)	Breakage (%)	Rust (%)			Score (1-10)
1 10.0626	6522 (4)	111	39	96	53	37	0	35	13	5
2 10.0627	5290 (20)	109	41	93	50	63	12	17	72	2
3 10.0834	4505 (21)	113	41	85	50	-	3	35	92	1
4 10.0736	5321 (19)	111	40	97	52	22	20	70	40	4
5 10.0739	6957 (3)	118	44	97	54	8	7	12	33	5
6 10.0740	6414 (5)	110	36	94	53	43	5	28	18	4
7 10.0761	5913 (10)	109	37	98	52	13	15	47	17	5
8 10.0764	5849 (11)	119	40	97	52	10	15	35	18	5
9 10.0835	5677 (14)	112	44	98	53	22	15	40	65	4
10 10.0844	5745 (13)	112	38	94	51	42	12	50	50	4
11 10.0777	6132 (8)	113	41	98	53	37	13	45	8	5
12 10.0782	5381 (18)	114	43	98	52	73	8	63	7	4
13 10.0787	5925 (9)	119	39	86	50	33	0	52	38	4
14 10.0791	6192 (6)	119	43	96	51	47	8	38	32	4
15 10.0849	5470 (17)	119	37	86	48	18	2	33	77	3
16 10.0852	5621 (15)	114	43	90	50	43	0	53	65	2
17 10.0856	5487 (16)	119	39	94	53	57	2	70	13	4
18 10.0860	6961 (2)	112	42	97	52	55	2	43	25	4
19 Charles	4297 (22)	112	39	89	48	71	2	82	50	3
20 Endeavor	5806 (12)	113	43	88	53	32	3	58	57	4
21 Violetta	7211 (1)	110	43	99	55	15	0	5	2	6
22 Wintmalt	6175 (7)	121	42	91	50	13	18	23	7	6
Mean	5857	114	41	94	52	36	7	42	36	4
LSD	809	1	4	-	-	19	5	14	26	1
CV	10	1	3	5	3	38	50	23	53	18
No. of Reps	3	3	3	1	1	3	3	3	3	3

Numbers in parentheses indicate relative rank in column.

Table 3. O2Malt for Rupert, ID in 2012-13

(2012-13 Oregon 2-Row Malting Barley Yield Trial)

Entry Name	Yield (bu/A)	Plant	Plump (%)	Test	Lodging (1-9)
		Height (in)		Weight (lbs/bu)	
1 10.0626	155.5	41	97.7	55.0	1
2 10.0627	163.2	41	97.1	52.3	7
3 10.0736	153.4	43	98.7	54.0	1
4 10.0739	125.0	39	95.6	54.0	1
5 10.074	170.5	38	98.7	54.9	1
6 10.0761	134.9	39	98.3	53.8	1
7 10.0764	103.7	46	87.7	47.9	1
8 10.0777	170.1	44	98.0	55.0	1
9 10.0782	157.5	41	97.2	53.5	1
10 10.0787	137.6	39	74.6	49.4	1
11 10.0791	151.3	45	93.1	47.8	1
12 10.0834	131.8	39	89.5	50.5	1
13 10.0835	157.5	44	97.8	53.8	2
14 10.0844	120.1	34	95.9	51.9	1
15 10.0849	159.7	38	95.4	50.3	1
16 10.0852	164.7	44	96.0	52.0	3
17 10.0856	130.9	41	89.5	49.2	1
18 10.086	165.2	37	97.2	53.2	3
19 CHARLES	149.4	36	94.0	50.1	1
20 ENDEAVOUR	156.0	45	95.6	54.7	3
21 VIOLETTA	158.6	40	98.2	55.0	1
22 WINTMALT	155.5	40	96.6	52.4	1

Data as received from cooperator.

Yield adjusted to 13% moisture and adjusted for on farm yields of Endeavour.

Lodging scale: 1 (standing straight up) - 9 (completely lodged)

Table 4. O2Malt for Hazelton, ID in 2012-13

(2012-13 Oregon 2-Row Malting Barley Yield Trial)

Entry Name	Yield (bu/A)	Plump (%)	Test Weight (lbs/bu)
1 10.0626	153.4	91.4	53.76
2 10.0627	154.9	84.7	50.16
3 10.0736	147.5	89.9	50.44
4 10.0739	149.5	79.4	51.64
5 10.074	157.2	93.8	52.92
6 10.0761	151.1	93.4	52.42
7 10.0764	147.2	80.4	50.16
8 10.0777	169.6	91.4	52.78
9 10.0782	149.9	90.1	51.64
10 10.0787	150.1	86.9	51.36
11 10.0791	141.1	92.8	49.52
12 10.0834	133.4	85.2	50.08
13 10.0835	133.5	85.0	50.72
14 10.0844	156.4	95.1	52.48
15 10.0849	146.5	85.8	49.52
16 10.0852	142.6	87.7	48.12
17 10.0856	135.0	90.2	50.94
18 10.086	155.3	92.5	50.66
19 CHARLES	148.9	84.7	48.54
20 ENDEAVOUR	144.6	86.6	53.76
21 VIOLETTA	180.3	92.8	53.34
22 WINTMALT	166.6	88.8	52.2

Data as received from cooperator.

Yield adjusted to 13% moisture and adjusted for on farm yields of Endeavour.

Table 5. O2Malt for Ft. Collins, CO in 2012-13

(2012-13 Oregon 2-Row Malting Barley Yield Trial)

Entry Name	Heading Julian (days from Jan 1)	Comments
1 10.0626	--	Winter killed
2 10.0627	155	
3 10.0736	156	
4 10.0739	--	Winter killed
5 10.074	--	Winter killed
6 10.0761	--	Winter killed
7 10.0764	--	Winter killed
8 10.0777	152	
9 10.0782	155	
10 10.0787	155	
11 10.0791	157	
12 10.0834	158	
13 10.0835	--	Winter killed
14 10.0844	--	Winter killed
15 10.0849	156	
16 10.0852	157	
17 10.0856	158	
18 10.086	154	~ winter kill
19 CHARLES	151	
20 ENDEAVOUR	156	
21 VIOLETTA	150	
22 WINTMALT	159	

Data as received from cooperator.

Table 6. WMBT Entry list and Pedigrees

(2012-13 Winter Malting Barley Trial)

Entry	Name	Type	Use	Parentage
1	Charles	2	Malting	Bearpaw/81Ab1702
2	Strider	6	Feed	OR1860164/Steptoe
3	McGregor	6	Feed	
4	6Ab08-X03W012-5	6	Malting	91Ab36/88Ab536B
5	02Ab431	2	Malting	93Ab428/93Ab835
6	02Ab671	2	Malting	93Ab428/93Ab835
7	2Ab08-X05W061-208	2	Malting	95SR316A/Charles
8	AC 07/022/2	2	Malting	
9	AC 06/054/1	2	Malting	
10	AC 05/004/12	2	Malting	
11	KWS Scala	2	Malting	
12	KWS Ariane	2	Malting	
13	KWS Joy	2	Malting	
14	KWS Liga	2	Malting	
15	Thoroughbred	6	Malting	
16	VA09B-29	6	Malting	
17	VA09B-34	6	Malting	
18	VA10B-43	6	Malting	
19	Saturn	6	Malting	
20	Violetta	2	Malting	
21	Archer	2	Malting	
22	California	2	Malting	

Table 7. WMBT for Corvallis, OR in 2012-13

(2012-13 Winter Malting Barley Trial)

Entry Name	Yield (lbs/A)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Straw Breakage (%)	Stripe Rust (%)	Scald (%)	Lodging (%)	Agronomic
										Score (1-10)
1 Charles	4960 (18)	111	39	94	47	63	1	80	7	3
2 Strider	7130 (2)	121	43	92	50	5	2	8	10	6
3 McGregor	6383 (4)	116	45	91	49	2	25	7	5	6
4 6Ab08-X03W012-5	4742 (19)	118	47	79	49	15	45	30	33	3
5 02Ab431	5474 (15)	112	44	94	52	47	7	63	10	5
6 02Ab671	5518 (14)	116	42	96	51	25	15	77	8	5
7 2Ab08-X05W061-208	5680 (13)	120	37	80	49	38	3	67	8	4
8 AC 07/022/2	6018 (10)	116	39	95	47	15	18	13	0	4
9 AC 06/054/1	5981 (11)	121	40	95	47	1	22	5	0	6
10 AC 05/004/12	6184 (7)	121	41	99	51	5	12	7	0	6
11 KWS Scala	6236 (5)	114	39	98	52	5	10	15	0	6
12 KWS Ariane	5835 (12)	116	41	94	54	4	30	8	0	4
13 KWS Joy	5033 (17)	120	39	86	43	2	38	22	0	4
14 KWS Liga	6055 (8)	119	41	97	48	2	23	5	0	5
15 Thoroughbred	4709 (20)	116	46	21	42	7	85	19	8	2
16 VA09B-29	3251 (22)	110	44	8	44	32	88	65	33	1
17 VA09B-34	4259 (21)	109	47	42	47	37	95	28	33	1
18 VA10B-43	5268 (16)	112	47	74	49	12	60	10	37	2
19 Saturn	7861 (1)	119	42	96	50	0	7	3	0	7
20 Violetta	6027 (9)	112	41	99	54	5	0	5	0	6
21 Archer	6221 (6)	118	41	99	52	1	12	7	0	6
22 California	6765 (3)	119	41	98	53	5	8	7	2	7
Mean	5709	116	42	83	49	15	28	25	9	5
LSD	793	1	5	-	-	10	10	10	8	1
CV	10	1	4	30	7	51	27	29	65	15
No. of Reps	3	3	3	1	1	3	3	3	3	3

Numbers in parentheses indicate relative rank in column.

Table 8. OBWFSW Entry list and Pedigrees

(2012-13 Oregon Barley Winter Facultative Statewide Trial)

Entry	Name	Type	Use	Parentage
1	Alba	6	Feed	Strider/Orca
2	Maja	6	Malting	Strider/88Ab536
3	OR76	6	Malting	STAB 47/KAB 51-20
4	Strider	6	Feed	1860164/Steptoe
5	Verdant	6	Feed/Forage	Kold/Hoody
6	Wintmalt	2	Malting	
7	Violetta	2	Malting	
8	Charles	2	Malting	Bearpaw/81Ab1702
9	Endeavor	2	Malting	ORWM8406/Harrington
10	Famosa	2	Malting	
11	05-5401/01	2	Malting	
12	Malwinta	2	Malting	
13	07/041/8	2	Malting	
14	07/022/2	2	Malting	
15	06/054/1	2	Malting	
16	05/004/12	2	Malting	
17	04/028/36	2	Malting	
18	85849 NH	2	Malting	
19	82909 NH	2	Malting	
20	85942 NH	2	Malting	
21	Nectaria	2	Malting	
22	IPZ 29842/2048	2	Malting	
23	IPZ 29954/2249	2	Malting	
24	IPZ 29958/2296	2	Malting	
25	Joy	2	Malting	
26	Scala	2	Malting	
27	Liga	2	Malting	
28	Ariane	2	Malting	

Table 9. OBWFSW for Corvallis, OR in 2012-13

(2012-13 Oregon Barley Winter Facultative Statewide Trial)

Entry Name	Yield (lbs/A)	Heading		Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Stripe Rust (%)	Straw		Lodging (%)	Agronomic Score (1-10)
		Julian (days from Jan 1)						Breakage (%)	Scald (%)		
1 Alba	7626	(1)	124	46	96	52	0	0	5	0	9
2 Maja	6694	(7)	118	44	90	53	0	4	40	7	6
3 OR76	6067	(20)	111	49	94	54	5	22	27	17	6
4 Strider	6690	(9)	121	44	88	50	2	18	5	30	6
5 Verdant	5476	(27)	121	52	94	50	0	2	27	22	7
6 Wintmalt	5679	(26)	121	41	95	49	23	2	20	0	6
7 Violetta	6428	(16)	110	41	98	54	2	8	8	0	7
8 Charles	4495	(28)	111	39	95	49	1	70	90	20	3
9 Endeavor	5745	(25)	110	44	90	54	4	40	63	20	5
10 Famosa	6957	(3)	121	42	99	54	13	0	5	0	7
11 05-5401/01	7003	(2)	120	39	99	53	2	1	8	0	8
12 Malwinta	6643	(11)	120	41	99	53	4	4	7	0	8
13 07/041/8	6429	(15)	121	38	99	53	8	2	8	0	7
14 07/022/2	6458	(14)	115	39	98	49	15	17	8	2	6
15 06/054/1	6003	(22)	121	44	96	50	17	4	5	0	7
16 05/004/12	6480	(13)	121	42	99	53	8	9	7	2	7
17 04/028/36	6647	(10)	113	41	99	53	2	2	4	0	7
18 85849 NH	6036	(21)	121	37	99	56	0	2	5	0	7
19 82909 NH	6541	(12)	120	41	98	54	5	4	5	0	7
20 85942 NH	6861	(4)	120	42	98	52	10	5	8	0	6
21 Nectaria	6859	(5)	120	41	99	52	13	2	23	0	7
22 IPZ 29842/2048	6091	(19)	119	43	98	53	13	5	10	2	7
23 IPZ 29954/2249	6417	(17)	116	43	97	52	17	4	5	0	7
24 IPZ 29958/2296	5813	(24)	120	40	97	52	22	4	35	2	7
25 Joy	5839	(23)	119	40	93	47	28	7	20	2	6
26 Scala	6211	(18)	112	40	97	52	13	7	13	5	6
27 Liga	6746	(6)	119	41	99	52	10	5	12	3	7
28 Ariane	6692	(8)	116	40	95	48	22	7	8	0	6
Mean	6344		118	42	96	52	9	9	17	5	7
LSD	856.8		0.9	5.6	-	-	6.7	5.5	6.9	4.7	0.8
CV	9.9		0.5	3.8	3	4	52.8	44.3	29.5	72.1	9.1
No. of Reps	3		3	3	1	1	3	3	3	3	3

Numbers in parentheses indicate relative rank in column.

Table 10. OBWFSW for Pendleton, OR in 2012-13

(2012-13 Oregon Barley Winter Facultative Statewide Trial)

Entry Name	Yield (lbs/A)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Agronomic Score (1-10)
1 Alba	4176 (14)	31	68	48	8
2 Maja	2478 (27)	29	59	46	5
3 OR76	2366 (28)	32	41	46	4
4 Strider	4511 (11)	33	58	44	7
5 Verdant	3001 (25)	33	50	39	7
6 Wintmalt	4202 (13)	30	86	48	8
7 Violetta	4280 (12)	30	91	54	7
8 Charles	3420 (22)	26	75	45	5
9 Endeavor	3261 (24)	29	42	49	4
10 Famosa	5325 (1)	29	40	49	6
11 05-5401/01	4618 (9)	30	75	43	7
12 Malwinta	4810 (5)	31	93	49	7
13 07/041/8	4692 (7)	29	91	51	8
14 07/022/2	4174 (15)	30	87	47	7
15 06/054/1	4627 (8)	31	83	47	7
16 05/004/12	3913 (20)	32	91	51	7
17 04/028/36	4577 (10)	32	95	52	6
18 85849 NH	4999 (3)	31	99	53	6
19 82909 NH	4922 (4)	31	84	50	6
20 85942 NH	4085 (17)	28	99	51	5
21 Nectaria	2921 (26)	29	59	49	4
22 IPZ 29842/2048	3402 (23)	30	72	48	6
23 IPZ 29954/2249	4062 (18)	30	75	50	6
24 IPZ 29958/2296	3850 (21)	30	75	50	6
25 Joy	5091 (2)	31	85	50	6
26 Scala	4035 (19)	30	87	49	5
27 Liga	4156 (16)	29	83	50	5
28 Ariane	4779 (6)	29	96	50	7
Mean	4098	30	76	49	6
LSD	632	5	-	-	-
CV	11	5	23	6	19
No. of Reps	3	3	1	1	1

Numbers in parentheses indicate relative rank in column.

Exhibited frost damage and drought stress.

Table 11. OBWFSW for Hermiston, OR in 2012-13

(2012-13 Oregon Barley Winter Facultative Statewide Trial)

Entry Name	Yield (lbs/A)		Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)
1 Alba	4364	(27)	42	97	53
2 Maja	6610	(14)	40	86	52
3 OR76	6251	(21)	43	96	51
4 Strider	7471	(3)	38	89	51
5 Verdant	3100	(28)	44	90	47
6 Wintmalt	6936	(9)	38	97	53
7 Violetta	5777	(24)	37	98	55
8 Charles	5697	(25)	32	97	51
9 Endeavor	6756	(10)	35	93	54
10 Famosa	7070	(7)	38	95	53
11 05-5401/01	6706	(11)	34	99	51
12 Malwinta	7095	(6)	37	98	55
13 07/041/8	7166	(5)	34	99	53
14 07/022/2	6334	(20)	35	98	50
15 06/054/1	7050	(8)	38	98	53
16 05/004/12	7420	(4)	38	99	52
17 04/028/36	6075	(23)	34	97	53
18 85849 NH	6236	(22)	34	100	55
19 82909 NH	6680	(12)	35	98	55
20 85942 NH	7522	(1)	35	99	52
21 Nectaria	6677	(13)	35	98	53
22 IPZ 29842/2048	5654	(26)	37	98	52
23 IPZ 29954/2249	6440	(19)	35	98	53
24 IPZ 29958/2296	6526	(17)	36	98	53
25 Joy	6539	(16)	35	98	53
26 Scala	6571	(15)	35	98	54
27 Liga	7514	(2)	37	98	54
28 Ariane	6496	(18)	34	95	53
Mean	6455		37	97	53
LSD	928		7	-	-
CV	11		6	3	3
No. of Reps	3		3	1	1

Numbers in parentheses indicate relative rank in column.

Entries 1,3, and 5 exhibited substantial shattering.

Table 12. OFOOD Entry list and Pedigrees

(2012-13 Oregon Food Barley Trial)

Entry	Name	Type	Use	Parentage
1	Streaker	6	Food	Maja/Legacy/Maja/3/Doyce blend of OR85, OR86, and OR911
2	OBADV10-13	6	Food	Strider/Doyce
3	OBADV10-14	6	Food	Strider/Doyce
4	09OR-59	6	Food	Strider/Merlin, F1//Strider
5	09OR-70	6	Food	Maja/Legacy, F1//Maja/3/Doyce
6	09OR-86	6	Food	Strider/Doyce
7	09OR-89	6	Food	Strider/Doyce
8	09OR-27	2	Food	Luca/Merlin, F1//Luca
9	09OR-28	2	Food	Luca/Merlin, F1//Luca
10	09OR-31	2	Food	Luca/Merlin, F1//Luca
11	09OR-51	2	Food	Luca/Waxbar, F1//Luca
12	09OR-55	6	Food	Strider/Merlin, F1//Strider
13	09OR-56	6	Food	Strider/Merlin, F1//Strider
14	09OR-62	6	Food	Strider/Merlin, F1//Strider
15	Alba (OR757)	6	Feed	Strider/Orca
16	Maja	6	Malting	Strider/88Ab536

Table 13. OFOOD for Corvallis, OR in 2012-13

(2012-13 Oregon Food Barley Trial)

Entry Name	Yield* (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (%)	Lodging (%)	Leaf		Agronomic Score (1-10)
		Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			Rust (%)	Protein (%)	
1 Streaker	3917	118	34	57	61	23	0	55	12	0	11.2	6
2 OBADV10-13	4031	118	33	80	62	20	1	30	10	10	11.7	7
3 OBADV10-14	4210	123	35	98	62	17	0	20	0	10	11.5	7
4 09OR-59	3905	117	38	76	60	50	0	30	25	10	12.4	4
5 09OR-70	3774	117	32	66	59	18	0	25	12	10	11.4	4
6 09OR-86	4782	129	35	81	64	5	0	5	0	5	11.1	8
7 09OR-89	4828	129	34	79	63	8	0	5	0	0	11.2	8
8 09OR-27	4434	115	37	98	52	8	0	40	0	5	12.4	3
9 09OR-28	4121	113	34	98	54	22	10	60	0	0	12.7	6
10 09OR-31	4024	113	34	98	53	28	5	50	3	0	12.9	7
11 09OR-51	4652	114	33	99	55	20	15	40	3	20	11.7	7
12 09OR-55	3649	117	34	92	51	80	0	20	10	30	10.5	6
13 09OR-56	4665	117	35	96	51	55	0	30	12	20	11.3	6
14 09OR-62	4191	116	35	93	51	43	0	20	3	15	11.6	6
15 Alba (OR757)	6914	129	41	96	52	0	0	5	0	5	10.5	9
16 Maja	4582	120	35	96	52	75	0	20	17	15	10.4	6
Mean	4417	119	35	88	56	30	2	28	7	10	11.5	6
LSD	654	0.9	7.9	-	-	9.2	-	-	10.2	-	-	-
CV	11	0.6	6.4	14.4	8.4	22.5	220.1	58.2	110.3	86.5	6.4	24.3
No. of Reps	3	3	3	1	1	3	1	1	3	1	1	1

*Yield adjusted according to stand percentage.

Table 14. OFOOD for Pendleton, OR in 2012-13

(2012-13 Oregon Food Barley Trial)

Entry Name	Yield (lbs/A)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)	Agronomic Score (1-10)
1 Streaker	2090	29	54	53	16.3	5
2 OBADV10-13	2122	28	73	57	16.2	5
3 OBADV10-14	2366	29	76	57	14.5	5
4 09OR-59	2091	29	83	52	15.3	4
5 09OR-70	2574	27	75	50	13.9	4
6 09OR-86	3718	31	10	56	12.7	7
7 09OR-89	3712	31	8	53	13.2	7
8 09OR-27	2718	30	70	49	14.7	5
9 09OR-28	2855	26	98	50	15.9	4
10 09OR-31	3200	28	96	51	16.1	4
11 09OR-51	3146	28	99	50	14.4	3
12 09OR-55	1813	27	95	47	14.4	2
13 09OR-56	2670	29	96	49	13.4	3
14 09OR-62	2017	27	94	47	14	3
15 Alba (OR757)	3152	29	95	46	13.5	6
16 Maja	1987	30	87	48	13.8	4
Mean	2639	29	76	51	14.5	4
LSD	785	3	-	-	-	-
CV	21	7	37	7	8	31
No. of Reps	3	3	1	1	1	1

Exhibited frost damage and drought stress.

Table 15. OFOOD for Hermiston, OR in 2012-13

(2012-13 Oregon Food Barley Trial)

Entry Name	Yield* (lbs/A)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)
1 Streaker	4842	41	41	56	9.4
2 OBADV10-13	4286	40	47	59	9.8
3 OBADV10-14	4717	39	29	58	9.1
4 09OR-59	3093	37	74	56	13.5
5 09OR-70	5369	39	50	56	9.5
6 09OR-86	5977	39	39	57	8.1
7 09OR-89	5811	35	40	57	7.7
8 09OR-27	4625	37	98	51	10.1
9 09OR-28	4428	35	95	51	10.5
10 09OR-31	4091	34	97	49	10.6
11 09OR-51	5691	37	97	52	9.5
12 09OR-55	5447	32	93	48	8.8
13 09OR-56	6223	35	93	48	9.4
14 09OR-62	4943	36	89	48	10.6
15 Alba (OR757)	3465	43	95	49	8.7
16 Maja	6710	37	92	50	8.6
Mean	4982	37	73	53	10
LSD	1120	9	-	-	-
CV	16	7	35	7	13
No. of Reps	3	3	1	1	1

*Yield adjusted due to wheel line through some plots

Table 16. OFOOD for Aberdeen, ID in 2012-13

(2012-13 Oregon Food Barley Trial)

Entry Name	Yield (lbs/A)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Lodging (%)	Protein (%)
1 Streaker	6370	139	39	24	57	68	13.7
2 OBADV10-13	6183	140	43	20	59	43	11.4
3 OBADV10-14	6464	142	35	21	56	59	12.9
4 09OR-59	6838	137	34	62	56	94	15.1
5 09OR-70	7213	137	35	35	55	81	15.0
6 09OR-86	6682	143	41	21	56	79	12.4
7 09OR-89	6901	143	39	33	56	92	15.5
8 09OR-27	5902	138	41	92	51	0	12.5
9 09OR-28	6995	136	36	89	51	7	14.0
10 09OR-31	6901	137	34	92	51	0	13.6
11 09OR-51	6995	136	33	92	52	0	12.9
12 09OR-55	7869	103	29	86	48	75	12.9
13 09OR-56	8712	137	33	91	49	96	14.6
14 09OR-62	7651	137	32	78	50	23	14.1
15 Alba (OR757)	6526	145	38	77	49	62	13.5
16 Maja	7494	142	37	34	48	72	12.1
Mean	6981	137	36	59	53	53	13.5
LSD	944	20	8	-	2	38	-
CV	10	10	7	50	3	51	8
No. of Reps	3	3	3	1	3	3	1

Table 17. OFOOD for Pullman, WA in 2012-13

(2012-13 Oregon Food Barley Trial)

Entry Name	Yield (lbs/A)	Heading Julian (days from Jan 1)	Plant Height (in)	Plump (on 6/64) (%)	Test Weight (lbs/bu)	Protein (%)	Stand Count (%)
1 Streaker	5153	139	31	49	58	13.4	87
2 OBADV10-13	4561	141	29	66	61	13.6	42
3 OBADV10-14	3875	145	30	62	59	12.8	70
4 09OR-59	4796	141	32	61	54	14.4	48
5 09OR-70	4290	137	29	41	56	14.2	85
6 09OR-86	5228	153	30	62	60	12.4	18
7 09OR-89	5700	143	30	71	60	12.0	33
8 09OR-27	5881	142	33	95	53	12.7	85
9 09OR-28	3897	138	32	89	50	16.5	92
10 09OR-31	5036	137	35	95	51	15.0	100
11 09OR-51	4737	139	28	96	51	14.3	85
12 09OR-55	5238	140	28	85	50	14.5	62
13 09OR-56	5279	138	27	90	50	13.0	75
14 09OR-62	4827	138	28	82	50	14.0	87
15 Alba (OR757)	6815	142	36	94	52	12.2	97
16 Maja	4864	141	30	88	53	13.2	88
Mean	5011	141	30	77	54	13.6	72
LSD	493	2	7	5	1	1	20
CV	7	1	7	4	1	5	20
No. of Reps	3	3	3	3	3	3	3

Table 18. TCAP NUE Entry list and Pedigrees

(2012-13 TCAP Nitrogen Use Efficiency Trial)

Entry	Name	Type	Use	Parentage
TC6W-001	OR76	6	Malting	STAB 47/KAB 51-20
TC6W-002	OR77 (Alba)	6	Feed	Strider/Orca
TC6W-003	OR813	6	Malting	Stab47/Kab51
TC6W-004	OR815	6	Malting	CC99B
TC6W-005	OR816	6	Malting	CC99B
TC6W-006	OR818	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
TC6W-007	Maja	6	Malting	Strider/88Ab536
TC6W-008	OR91	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
TC6W-009	OR92	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
TC6W-010	OR97	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
TC6W-011	OR98	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
TC6W-012	OR910	6	Malting	Bu27/Stab47, F1/3/Maja/Stab47
TC6W-013	OR915	6	Malting	Kab51/Excel//Maja/3/Stab7/Maja
TC6W-014	OR101	6	Malting	StabBC 42-3-9/3/Kab51/Legacy//Kab51
TC6W-015	OR102	6	Malting	StabBC 42-4-2/Stab 7-2
TC6W-016	OR103	6	Malting	StabBC 42-4-2/3/Kab51/Legacy//Kab51
TC6W-017	OR104	6	Malting	StabBC 50-7-3/Maja
TC6W-018	OR105	6	Malting	StabBC 50-7-3/Maja
TC6W-019	OR106	6	Malting	StabBC 50-7-3/Maja
TC6W-020	OR107	6	Malting	J2-16-9//Maja/K47-5
TC6W-021	OR108	6	Malting	J2-16-9/Maja
TC6W-022	OR109	6	Malting	J2-16-13/Maja
TC6W-023	OR110	6	Malting	StabBC 42-4-2/Stab 7-7
TC6W-024	OR111	6	Malting	StabBC 42-4-2/3/Kab51/Legacy//Kab51
TC6W-025	OR112	6	Malting	StabBC 50-7-3/Maja
TC6W-026	OR113	6	Malting	StabBC 50-7-3/Maja
TC6W-027	OR114	6	Malting	Strider/3/Maja/Legacy//Maja
TC6W-028	Strider	6	Feed	OR1860164/Steptoe
TC6W-029	Eight-Twelve	6	Malting	Eight-Twelve
TC6W-030	OBADV11-2	6	Malting	NB3437f/OR71
TC6W-031	OBADV11-6	6	Malting	NB3437f/OR72
TC6W-032	OBADV11-13	6	Malting	NB3437f/OR76
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	NB3437f/OR71
TC6W-037	OBADV11-30	6	Malting	NB3437f/OR71
TC6W-038	OBADV11-31	6	Malting	NB3437f/OR71
TC6W-039	PO71DH-84	6	Malting	P713/OR71
TC6W-040	PO71DH-87	6	Malting	P713/OR71
TC6W-041	PO71DH-94	6	Malting	P713/OR71
TC6W-042	PO71DH-104	6	Malting	P713/OR71
TC6W-043	PO71DH-111	6	Malting	P713/OR71
TC6W-044	PYT211-6	6	Malting	S113/L//S113/3/Kab 47
TC6W-045	PYT211-10	6	Malting	StabBC 50-7-3/Stab 113
TC6W-046	2011-F5-2-1	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-13 #3
TC6W-047	2011-F5-3-1	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-15 #9
TC6W-048	2011-F5-3-2	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-15 #9
TC6W-049	2011-F5-4-1	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-15 #9
TC6W-050	2011-F5-4-2	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-15 #9
TC6W-051	2011-F5-5-1	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-15 #9
TC6W-052	2011-F5-7-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12

Table 18. TCAP NUE Entry list and Pedigrees

(2012-13 TCAP Nitrogen Use Efficiency Trial)

Entry	Name	Type	Use	Parentage
TC6W-053	2011-F5-7-3	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-054	2011-F5-7-4	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-055	2011-F5-8-2	6	Malting	StabBC 50-7-6/Stab 113
TC6W-056	2011-F5-8-3	6	Malting	StabBC 50-7-6/Stab 113
TC6W-057	2011-F5-9-2	6	Malting	StabBC 50-7-6//Bu 37/Stab 113-13 # 12
TC6W-058	2011-F5-9-3	6	Malting	StabBC 50-7-6//Bu 37/Stab 113-13 # 12
TC6W-059	2011-F5-16-1	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-15 #12-3
TC6W-060	2011-F5-16-2	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-15 #12-3
TC6W-061	2011-F5-16-3	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-15 #12-3
TC6W-062	2011-F5-16-4	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-15 #12-3
TC6W-063	2011-F5-17-1	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-13 #3
TC6W-064	2011-F5-22-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-13 #4
TC6W-065	2011-F5-22-3	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-13 #4
TC6W-066	2011-F5-23-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-13 #4
TC6W-067	2011-F5-24-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-068	2011-F5-25-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-069	2011-F5-25-2	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-070	2011-F5-27-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-071	2011-F5-27-2	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-072	2011-F5-27-3	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-073	2011-F5-29-1	6	Malting	StabBC 50-7-6/Stab 113
TC6W-074	2011-F5-32-1	6	Malting	StabBC 50-7-6//Bu 37/Stab 113-13 # 12
TC6W-075	2011-F5-35-1	6	Malting	UTWB940119/StabBC 50-7-6
TC6W-076	2011-F5-35-2	6	Malting	UTWB940119/StabBC 50-7-6
TC6W-077	2011-F5-36-1	6	Malting	UTWB940119/J1-8-17
TC6W-078	2011-F5-36-2	6	Malting	UTWB940119/J1-8-17
TC6W-079	2011-F5-36-3	6	Malting	UTWB940119/J1-8-17
TC6W-080	2011-F5-37-1	6	Malting	UTWB940119/J1-8-17
TC6W-081	2011-F5-37-2	6	Malting	UTWB940119/J1-8-17
TC6W-082	2011-F5-37-3	6	Malting	UTWB940119/J1-8-17
TC6W-083	2011-F5-37-4	6	Malting	UTWB940119/J1-8-17
TC6W-084	2011-F5-37-5	6	Malting	UTWB940119/J1-8-17
TC6W-085	2011-F5-47-1	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-13 #3-6
TC6W-086	2011-F5-47-2	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-13 #3-6
TC6W-087	2011-F5-47-3	6	Malting	StabBC 42-4-5//Bu 37/Stab 113-13 #3-6
TC6W-088	2011-F5-48-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-13 #4
TC6W-089	2011-F5-49-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #12
TC6W-090	2011-F5-50-1	6	Malting	StabBC 42-3-2/Bu 37/Stab 113-15 #15
TC6W-091	2011-F5-52-1	6	Malting	StabBC 50-7-6/Stab 113
TC6W-092	2011-F5-52-2	6	Malting	StabBC 50-7-6/Stab 113
TC6W-093	2011-F5-52-3	6	Malting	StabBC 50-7-6/Stab 113
TC6W-094	2011-F5-55-1	6	Malting	UTWB940119/J1-8-17
TC6W-095	2011-F5-55-2	6	Malting	UTWB940119/J1-8-17
TC6W-096	2011-F5-56-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-2
TC6W-097	2011-F5-56-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-2
TC6W-098	2011-F5-57-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-2
TC6W-099	2011-F5-58-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-4
TC6W-100	2011-F5-59-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-5
TC6W-101	2011-F5-59-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-5
TC6W-102	2011-F5-60-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-103	2011-F5-60-2	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-104	2011-F5-63-1	6	Malting	J2-5-1///S47/E//S47-39

Table 18. TCAP NUE Entry list and Pedigrees

(2012-13 TCAP Nitrogen Use Efficiency Trial)

Entry	Name	Type	Use	Parentage
TC6W-105	2011-F5-63-2	6	Malting	J2-5-1///S47/E//S47-39
TC6W-106	2011-F5-64-1	6	Malting	StabBC 42-3-2//Bu 37/Stab 113-13 #4
TC6W-107	2011-F5-66-2	6	Malting	K 51/E//S113/3/Stab 7/Stab 113-8
TC6W-108	2011-F5-66-3	6	Malting	K 51/E//S113/3/Stab 7/Stab 113-8
TC6W-109	2011-F5-72-1	6	Malting	UTWB940119/StabBC 50-7-6
TC6W-110	2011-F5-72-2	6	Malting	UTWB940119/StabBC 50-7-6
TC6W-111	2011-F5-72-3	6	Malting	UTWB940119/StabBC 50-7-6
TC6W-112	2011-F5-72-4	6	Malting	UTWB940119/StabBC 50-7-6
TC6W-113	2011-F5-75-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-12
TC6W-114	2011-F5-76-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14
TC6W-115	2011-F5-76-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14
TC6W-116	2011-F5-76-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14
TC6W-117	2011-F5-76-4	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14
TC6W-118	2011-F5-79-1	6	Malting	Stab 47/Kab 51-7//StabBC 50-7-6-2
TC6W-119	2011-F5-83-1	6	Malting	StabBC 42-4-5//Stab 47/Kab 51-9
TC6W-120	2011-F5-84-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-9
TC6W-121	2011-F5-84-2	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-9
TC6W-122	2011-F5-85-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-123	2011-F5-85-2	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-124	2011-F5-86-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-125	2011-F5-86-2	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-126	2011-F5-87-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-127	2011-F5-88-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-128	2011-F5-88-2	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-129	2011-F5-88-3	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-7
TC6W-130	2011-F5-90-4	6	Malting	StabBC 182-4-2//K47/E//S47/E-59
TC6W-131	2011-F5-90-5	6	Malting	StabBC 182-4-2//K47/E//S47/E-59
TC6W-132	2011-F5-91-1	6	Malting	StabBC 182-4-2//K47/E//S47/E-59
TC6W-133	2011-F5-91-2	6	Malting	StabBC 182-4-2//K47/E//S47/E-59
TC6W-134	2011-F5-93-1	6	Malting	J2-5-1///K51/E//K51-9
TC6W-135	2011-F5-94-1	6	Malting	J2-5-1///K51/E//K51-9
TC6W-136	2011-F5-95-1	6	Malting	J2-5-1///S47/E//S47-37
TC6W-137	2011-F5-96-1	6	Malting	J2-5-1///S47/E//S47-37
TC6W-138	2011-F5-96-2	6	Malting	J2-5-1///S47/E//S47-37
TC6W-139	2011-F5-96-3	6	Malting	J2-5-1///S47/E//S47-37
TC6W-140	2011-F5-96-4	6	Malting	J2-5-1///S47/E//S47-37
TC6W-141	2011-F5-97-1	6	Malting	J2-5-1///S47/E//S47-37
TC6W-142	2011-F5-99-1	6	Malting	J2-5-1///S47/E//S47-39
TC6W-143	2011-F5-105-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-6
TC6W-144	2011-F5-105-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-6
TC6W-145	2011-F5-105-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-6
TC6W-146	2011-F5-105-4	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-6
TC6W-147	2011-F5-106-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-7
TC6W-148	2011-F5-106-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-7
TC6W-149	2011-F5-107-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-8
TC6W-150	2011-F5-108-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-10
TC6W-151	2011-F5-109-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-10
TC6W-152	2011-F5-109-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-10
TC6W-153	2011-F5-109-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-10
TC6W-154	2011-F5-110-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-11
TC6W-155	2011-F5-112-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14
TC6W-156	2011-F5-112-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14

Table 18. TCAP NUE Entry list and Pedigrees

(2012-13 TCAP Nitrogen Use Efficiency Trial)

Entry	Name	Type	Use	Parentage
TC6W-157	2011-F5-112-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-4-5-14
TC6W-158	2011-F5-113-1	6	Malting	Stab 47/Kab 51-7//StabBC 50-7-6-1
TC6W-159	2011-F5-113-2	6	Malting	Stab 47/Kab 51-7//StabBC 50-7-6-1
TC6W-160	2011-F5-113-3	6	Malting	Stab 47/Kab 51-7//StabBC 50-7-6-1
TC6W-161	2011-F5-115-1	6	Malting	Stab 47/Kab 51-7//StabBC 50-7-6-3
TC6W-162	2011-F5-118-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-4
TC6W-163	2011-F5-119-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-4
TC6W-164	2011-F5-119-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-4
TC6W-165	2011-F5-120-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-166	2011-F5-120-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-167	2011-F5-120-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-168	2011-F5-121-1	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-169	2011-F5-121-2	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-170	2011-F5-121-3	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-171	2011-F5-121-4	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-172	2011-F5-121-5	6	Malting	Stab 47/Kab 51-7//StabBC 42-3-2-5
TC6W-173	2011-F5-122-1	6	Malting	Stab 47/Kab 51-7//J1-8-17-2
TC6W-174	2011-F5-123-1	6	Malting	Stab 47/Kab 51-7//J1-8-17-4
TC6W-175	2011-F5-124-1	6	Malting	Stab 47/Kab 51-7//J1-8-17-5
TC6W-176	2011-F5-126-1	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-9
TC6W-177	2011-F5-126-2	6	Malting	StabBC 182-4-2//Stab 47/Kab 51-9
TC6W-178	2011-F5-129-1	6	Malting	StabBC 182-4-2//K47/E//S47/E-59
TC6W-179	2011-F5-131-1	6	Malting	StabBC 42-3-4//Stab 47/Kab 51-20
TC6W-180	2011-F5-132-1	6	Malting	StabBC 42-3-4//Bu 37/Stab 113-15 #9
TC6W-181	2011-F5-134-1	6	Malting	J2-5-1//K51/E//K51-9
TC6W-182	2011-F5-134-2	6	Malting	J2-5-1//K51/E//K51-9
TC6W-183	2011-F5-134-3	6	Malting	J2-5-1//K51/E//K51-9
TC6W-184	2011-F5-135-1	6	Malting	J2-5-1//S47/E//S47-37
TC6W-185	2011-F5-135-2	6	Malting	J2-5-1//S47/E//S47-37
TC6W-186	2011-F5-135-3	6	Malting	J2-5-1//S47/E//S47-37
TC6W-187	2011-F5-135-4	6	Malting	J2-5-1//S47/E//S47-37
TC6W-188	2011-F5-136-1	6	Malting	UTWB940119/J1-8-17
TC6W-189	2011-F5-140-1	6	Malting	StabBC 50-7-6/Stab 113
TC6W-190	2011-F5-140-2	6	Malting	StabBC 50-7-6/Stab 113
TC6W-191	2011-F5-141-1	6	Malting	StabBC 50-7-6/Stab 113
TC6W-192	2011-F5-141-3	6	Malting	StabBC 50-7-6/Stab 113
TC6W-193	2011-F5-141-5	6	Malting	StabBC 50-7-6/Stab 113
TC6W-194	06OR-9	6	Malting	Stab 47/Kab 51-7
TC6W-195	06OR-10	6	Malting	Stab 113/Kab 50 - 21
TC6W-196	06OR-20	6	Malting	Stab 113/Kab 50-22
TC6W-197	06OR-22	6	Malting	Stab 47/Kab 51-20
TC6W-198	06OR-37	6	Malting	Stab 47/Kab 51-9
TC6W-199	06OR-38	6	Malting	Stab 47/Excel-1
TC6W-200	06OR-40	6	Malting	Stab 47/Kab 51-27
TC6W-201	06OR-41	6	Malting	Strider/88Ab 536,F1//88 Ab536
TC6W-202	06OR-42	6	Malting	Stab 7/Kab 41-1
TC6W-203	06OR-43	6	Malting	Stab 47/Kab 51-11
TC6W-204	06OR-44	6	Malting	Strider/88Ab 536,F1//88 Ab536
TC6W-205	06OR-45	6	Malting	Stab 47/Kab 51-17
TC6W-206	06OR-46	6	Malting	Stab 113/Kab 50-15
TC6W-207	06OR-47	6	Malting	Stab 7-1
TC6W-208	06OR-51	6	Malting	Stab47/Excel//Stab47

Table 18. TCAP NUE Entry list and Pedigrees

(2012-13 TCAP Nitrogen Use Efficiency Trial)

Entry	Name	Type	Use	Parentage
TC6W-209	06OR-52	6	Malting	Stab47/Excel//Stab47
TC6W-210	06OR-57	6	Malting	Kab51/Excel//Kab51
TC6W-211	06OR-58	6	Malting	Kab51/Excel//Stab47/Excel
TC6W-212	06OR-59	6	Malting	Kab51/Excel//Stab47/Excel
TC6W-213	06OR-62	6	Malting	Kold/88Ab536
TC6W-214	06OR-75	6	Malting	Stab47/Excel//Stab47
TC6W-215	06OR-76	6	Malting	Kab51/Legacy//Kab51
TC6W-216	06OR-78	6	Malting	Stab47/Excel//Stab47
TC6W-217	06OR-79	6	Malting	Kab51/Excel//Kab51
TC6W-218	06OR-87	6	Malting	Stab47/Excel//Stab47
TC6W-219	06OR-91	6	Malting	Stab47/Excel//Stab47
TC6W-220	06OR-95	6	Malting	Dicktoo
TC6W-221	07OR-3	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-2
TC6W-222	07OR-4	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-4
TC6W-223	07OR-5	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-4
TC6W-224	07OR-6	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-4
TC6W-225	07OR-7	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-4
TC6W-226	07OR-8	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-4
TC6W-227	07OR-9	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 49-4
TC6W-228	07OR-21	6	Malting	Stab47/Kab 51-20
TC6W-229	07OR-55	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-230	07OR-57	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-231	07OR-58	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-232	07OR-59	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-233	07OR-62	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-234	07OR-63	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-235	07OR-64	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-236	07OR-65	6	Malting	Stab113/kab50//Kab37-1 Stab113/Kab 50//Jari2 Stab113/Kab50//Kab65-3
TC6W-237	08OR-30	6	Malting	StabBC 42-4-2/Stab 7-1
TC6W-238	08OR-40	6	Malting	StabBC 42-4-2/3/K51/L//K51
TC6W-239	08OR-41	6	Malting	StabBC 42-4-2/3/K51/L//K51
TC6W-240	08OR-44	6	Malting	StabBC 42-4-2/3/K51/L//K51
TC6W-241	08OR-45	6	Malting	StabBC 42-4-2/3/K51/L//K51
TC6W-242	08OR-46	6	Malting	StabBC 42-4-2/3/K51/L//K51
TC6W-243	08OR-47	6	Malting	J2-13-12//S113/K47-5
TC6W-244	08OR-48	6	Malting	StabBC 50-7-3/Stab 113
TC6W-245	08OR-49	6	Malting	StabBC 50-7-3/Stab 113
TC6W-246	08OR-50	6	Malting	StabBC 50-7-3/Stab 113
TC6W-247	08OR-52	6	Malting	StabBC 50-7-3/Stab 113
TC6W-248	08OR-53	6	Malting	StabBC 50-7-3/Stab 113
TC6W-249	08OR-54	6	Malting	StabBC 50-7-3/Stab 113
TC6W-250	08OR-56	6	Malting	StabBC 50-7-1//S113/K47-4
TC6W-251	08OR-58	6	Malting	Strider/3/S113/L//S113
TC6W-252	08OR-69	6	Malting	S113/L//S113/3/Kab 47
TC6W-253	08OR-73	6	Malting	K51/E//S113/3/J2-17-2
TC6W-254	08OR-79	6	Malting	S113/L//S113/3/Stab 7/Kab 43-1
TC6W-255	08OR-80	6	Malting	S113/L//S113/3/Stab 7/Kab 43-1
TC6W-256	08OR-81	6	Malting	S113/L//S113/3/Stab 47/Kab 51-3
TC6W-257	08OR-96	6	Malting	S113/L//S113/3/Doyce - Naked
TC6W-258	2011-Short-8	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-259	2011-Short-9	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-260	2011-Short-11	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37

Table 18. TCAP NUE Entry list and Pedigrees

(2012-13 TCAP Nitrogen Use Efficiency Trial)

Entry	Name	Type	Use	Parentage
TC6W-261	2011-Short-12	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-262	2011-Short-13	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-263	2011-Short-14	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-264	2011-Short-15	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-265	2011-Short-16	6	Malting	Bu 27/Stab 47(F1)/3/Stab 113/Stab 47- 37
TC6W-266	MW10S4116-001	6	Malting	TAMBAR 501 / *2 M115
TC6W-267	MW10S4116-002	6	Malting	TAMBAR 501 / *2 M115
TC6W-268	MW10S4116-003	6	Malting	TAMBAR 501 / *2 M115
TC6W-269	MW10S4116-004	6	Malting	TAMBAR 501 / *2 M115
TC6W-270	MW10S4116-005	6	Malting	TAMBAR 501 / *2 M115
TC6W-271	MW10S4118-001	6	Malting	NB99845 / *2 M115
TC6W-272	MW10S4118-002	6	Malting	NB99845 / *2 M115
TC6W-273	MW10S4118-003	6	Malting	NB99845 / *2 M115
TC6W-274	MW10S4118-004	6	Malting	NB99845 / *2 M115
TC6W-275	MW10S4118-005	6	Malting	NB99845 / *2 M115
TC6W-276	MW10S4118-006	6	Malting	NB99845 / *2 M115
TC6W-277	MW10S4120-001	6	Malting	88ab536 / *2 Rasmusson
TC6W-278	MW10S4120-002	6	Malting	88ab536 / *2 Rasmusson
TC6W-279	MW10S4120-003	6	Malting	88ab536 / *2 Rasmusson
TC6W-280	MW10S4120-004	6	Malting	88ab536 / *2 Rasmusson
TC6W-281	MW10S4120-005	6	Malting	88ab536 / *2 Rasmusson
TC6W-282	MW10S4120-006	6	Malting	88ab536 / *2 Rasmusson
TC6W-283	MW10S4120-007	6	Malting	88ab536 / *2 Rasmusson
TC6W-284	MW10S4120-008	6	Malting	88ab536 / *2 Rasmusson
TC6W-285	MW10S4122-001	6	Malting	88ab536 / *2 M115
TC6W-286	MW10S4122-002	6	Malting	88ab536 / *2 M115
TC6W-287	MW10S4122-003	6	Malting	88ab536 / *2 M115
TC6W-288	MW10S4122-004	6	Malting	88ab536 / *2 M115
TC6W-289	MW10S4122-005	6	Malting	88ab536 / *2 M115
TC6W-290	MW10S4122-006	6	Malting	88ab536 / *2 M115
TC6W-291	MW10S4122-007	6	Malting	88ab536 / *2 M115
TC6W-292	MW10S4122-008	6	Malting	88ab536 / *2 M115
TC6W-293	MW09S4076-001	6	Malting	TAMBAR 501 / FEG188-02 (MW08-03)
TC6W-294	MW09S4076-002	6	Malting	TAMBAR 501 / FEG188-02 (MW08-04)
TC6W-295	MW09S4078-001	6	Malting	NB99845 / M115 (MW08-07)
TC6W-296	MW09S4078-002	6	Malting	NB99845 / M115 (MW08-08)
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)

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe		Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)	Scald (0-9)		
TCFW6-001	OR76	6634	108	50	96	50	5	0	0	0	9.5
TCFW6-002	OR77 (Alba)	6929	120	45	97	51	0	0	0	0	9.1
TCFW6-003	OR813	6660	103	51	94	50	10	0	1	5	10.3
TCFW6-004	OR815	7140	118	48	95	51	10	0	0	10	8.9
TCFW6-005	OR816	8283	119	46	97	50	0	0	0	0	9.1
TCFW6-006	OR818	6452	115	44	94	48	5	0	7	5	9.4
MAJA	Maja	5490	115	42	84	50	16	0	6	13	9.4
TCFW6-008	OR91	6152	116	44	95	48	5	0	7	0	9.6
TCFW6-009	OR92	6033	116	42	91	48	10	0	6	0	9.0
TCFW6-010	OR97	6792	116	44	95	48	10	0	4	10	9.4
TCFW6-011	OR98	5701	116	41	95	50	5	0	5	0	9.6
TCFW6-012	OR910	6588	116	44	94	48	5	0	7	0	9.2
TCFW6-013	OR915	6329	120	44	93	49	5	0	6	20	8.5
TCFW6-014	OR101	6709	120	48	96	50	0	0	1	0	9.2
TCFW6-015	OR102	6717	116	50	93	49	10	0	1	10	9.1
TCFW6-016	OR103	6909	113	49	97	50	0	0	0	0	9.3
TCFW6-017	OR104	8507	115	45	97	49	0	0	1	0	9.1
TCFW6-018	OR105	7045	118	44	98	52	0	0	1	0	10.0
TCFW6-019	OR106	7210	115	45	95	50	10	0	5	0	8.4
TCFW6-020	OR107	7000	120	46	95	49	10	0	4	0	9.7
TCFW6-021	OR108	7929	115	48	92	51	0	0	0	0	9.1
TCFW6-022	OR109	7024	117	43	95	50	0	0	0	0	9.3
TCFW6-023	OR110	6439	120	45	95	48	0	0	0	0	8.7
TCFW6-024	OR111	7205	120	47	98	51	0	0	0	0	9.4
TCFW6-025	OR112	7118	118	46	97	50	0	0	1	0	8.9
TCFW6-026	OR113	7791	118	44	95	49	0	0	0	0	8.7
TCFW6-027	OR114	8395	112	40	98	50	0	0	1	0	10.2
STRIDER	Strider	7039	117	43	90	47	14	0	1	0	9.2
EIGHT-TWELVE	Eight-Twelve	6985	116	43	77	47	15	0	6	0	8.9
TCFW6-030	OBADV11-2	7077	115	46	98	49	0	0	1	0	9.9
TCFW6-031	OBADV11-6	7483	111	49	97	51	5	0	0	0	9.6
TCFW6-032	OBADV11-13	6892	112	47	98	50	0	0	1	5	10.3
TCFW6-033	OBADV11-14	7953	119	50	96	51	0	0	1	0	9.5
TCFW6-034	OBADV11-17	6865	121	47	98	50	0	0	4	0	10.1
TCFW6-035	OBADV11-26	7254	120	51	99	50	0	0	0	0	10.2
TCFW6-036	OBADV11-29	5375	121	43	95	52	5	0	5	0	10.4
TCFW6-037	OBADV11-30	6615	120	48	96	48	30	0	3	40	9.7
TCFW6-038	OBADV11-31	6386	118	43	98	50	0	0	0	0	9.6
TCFW6-039	PO71DH-84	5760	124	41	95	54	0	0	3	0	9.9
TCFW6-040	PO71DH-87	7116	112	47	99	51	15	0	1	10	10.0
TCFW6-041	PO71DH-94	6917	115	50	98	53	0	0	0	0	11.1
TCFW6-042	PO71DH-104	6546	119	49	94	52	0	0	0	5	9.7
TCFW6-043	PO71DH-111	6358	118	40	91	49	5	0	1	0	9.5
TCFW6-044	PYT211-6	6407	107	43	98	51	0	0	0	0	11.4
TCFW6-045	PYT211-10	6882	115	44	97	49	0	0	0	0	9.2
TCFW6-046	2011-F5-2-1	7721	110	40	89	50	15	0	3	0	8.3
TCFW6-047	2011-F5-3-1	6986	102	38	95	49	0	0	1	0	9.2
TCFW6-048	2011-F5-3-2	7121	100	40	96	50	5	0	1	0	9.0
TCFW6-049	2011-F5-4-1	6599	100	36	95	50	0	0	0	0	9.4
TCFW6-050	2011-F5-4-2	5921	105	37	95	50	0	0	0	0	9.0

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe		Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)	Scald (0-9)		
TCFW6-051	2011-F5-5-1	7093	110	46	93	50	0	0	0	0	8.5
TCFW6-052	2011-F5-7-1	7510	115	38	96	49	0	0	1	0	9.5
TCFW6-053	2011-F5-7-3	7566	118	36	97	49	0	0	1	0	9.4
TCFW6-054	2011-F5-7-4	7492	113	40	96	50	0	0	1	0	8.9
TCFW6-055	2011-F5-8-2	6371	118	40	94	48	0	0	2	0	9.1
TCFW6-056	2011-F5-8-3	7315	118	40	96	49	0	0	1	0	9.0
TCFW6-057	2011-F5-9-2	5856	104	44	92	49	5	0	1	0	9.8
TCFW6-058	2011-F5-9-3	6283	105	40	93	50	0	0	2	0	10.0
TCFW6-059	2011-F5-16-1	7199	118	37	94	48	0	0	1	0	8.6
TCFW6-060	2011-F5-16-2	6114	118	36	97	50	0	0	0	0	9.2
TCFW6-061	2011-F5-16-3	7074	120	40	94	50	0	0	0	0	8.8
TCFW6-062	2011-F5-16-4	7721	119	39	95	49	0	0	0	0	8.3
TCFW6-063	2011-F5-17-1	7062	108	38	90	51	5	0	2	0	9.1
TCFW6-064	2011-F5-22-1	7673	108	37	92	48	5	0	1	0	9.7
TCFW6-065	2011-F5-22-3	7631	109	41	96	50	0	0	0	0	8.9
TCFW6-066	2011-F5-23-1	7145	111	41	97	48	0	0	1	0	8.9
TCFW6-067	2011-F5-24-1	6705	116	40	93	50	0	0	0	0	9.0
TCFW6-068	2011-F5-25-1	7498	116	39	96	50	0	0	0	0	8.8
TCFW6-069	2011-F5-25-2	7098	116	37	96	49	0	0	0	0	9.3
TCFW6-070	2011-F5-27-1	6032	114	38	96	51	0	0	0	0	9.3
TCFW6-071	2011-F5-27-2	-	117	41	95	51	0	0	1	0	8.9
TCFW6-072	2011-F5-27-3	7626	118	41	96	50	0	0	1	0	8.8
TCFW6-073	2011-F5-29-1	6663	116	40	95	49	0	0	1	0	9.5
TCFW6-074	2011-F5-32-1	6828	110	44	96	51	5	0	3	0	8.7
TCFW6-075	2011-F5-35-1	6049	118	41	96	51	0	0	0	0	10.1
TCFW6-076	2011-F5-35-2	6167	120	42	97	52	0	0	0	0	9.8
TCFW6-077	2011-F5-36-1	6659	124	39	96	50	0	0	0	0	10.1
TCFW6-078	2011-F5-36-2	5264	123	39	98	53	0	0	1	0	10.1
TCFW6-079	2011-F5-36-3	5930	123	38	96	53	0	0	0	0	9.9
TCFW6-080	2011-F5-37-1	5374	123	38	98	52	0	0	0	0	11.8
TCFW6-081	2011-F5-37-2	5092	122	39	97	52	0	0	0	0	10.8
TCFW6-082	2011-F5-37-3	5358	122	42	98	50	0	0	0	0	10.3
TCFW6-083	2011-F5-37-4	7591	120	42	98	50	0	0	0	0	10.7
TCFW6-084	2011-F5-37-5	5654	121	43	98	52	0	0	0	0	10.5
TCFW6-085	2011-F5-47-1	8470	110	43	94	48	0	0	0	0	8.2
TCFW6-086	2011-F5-47-2	8366	118	44	90	49	0	0	1	5	8.9
TCFW6-087	2011-F5-47-3	7699	110	44	94	48	5	0	0	0	8.9
TCFW6-088	2011-F5-48-1	8050	115	36	97	50	0	0	1	0	8.7
TCFW6-089	2011-F5-49-1	7670	111	48	95	52	0	0	3	0	9.8
TCFW6-090	2011-F5-50-1	7701	115	44	97	50	0	0	1	0	8.3
TCFW6-091	2011-F5-52-1	7061	116	41	98	49	0	0	0	0	9.9
TCFW6-092	2011-F5-52-2	6566	116	40	99	49	0	0	0	0	10.3
TCFW6-093	2011-F5-52-3	6646	115	43	98	50	0	0	0	0	10.0
TCFW6-094	2011-F5-55-1	6603	122	40	98	50	0	0	0	0	10.3
TCFW6-095	2011-F5-55-2	5443	122	38	97	51	0	0	0	0	10.6
TCFW6-096	2011-F5-56-1	7680	120	46	98	51	0	0	0	0	9.1
TCFW6-097	2011-F5-56-3	6735	121	44	98	53	0	0	0	0	9.5
TCFW6-098	2011-F5-57-2	7213	120	46	98	51	0	0	0	0	8.8
TCFW6-099	2011-F5-58-1	7314	119	47	99	49	0	0	0	0	10.2
TCFW6-100	2011-F5-59-1	7091	124	45	97	50	0	0	0	0	9.0

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe		Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)	Scald (0-9)		
TCFW6-101	2011-F5-59-2	6068	121	45	96	50	0	0	0	0	9.3
TCFW6-102	2011-F5-60-1	7269	121	45	97	50	0	0	0	0	8.5
TCFW6-103	2011-F5-60-2	7561	121	44	97	50	0	0	0	0	8.8
TCFW6-104	2011-F5-63-1	8153	117	42	85	51	15	0	0	0	8.9
TCFW6-105	2011-F5-63-2	6638	119	44	92	51	0	0	1	0	9.0
TCFW6-106	2011-F5-64-1	7930	115	45	94	51	5	0	1	0	9.3
TCFW6-107	2011-F5-66-2	7393	117	45	93	50	0	0	0	0	8.9
TCFW6-108	2011-F5-66-3	5831	118	41	91	50	0	0	3	0	8.8
TCFW6-109	2011-F5-72-1	6011	122	42	98	51	0	0	0	0	10.9
TCFW6-110	2011-F5-72-2	6212	120	43	97	52	0	0	0	0	10.7
TCFW6-111	2011-F5-72-3	5360	120	44	99	52	0	0	0	0	10.6
TCFW6-112	2011-F5-72-4	7343	120	45	97	51	0	0	0	0	9.7
TCFW6-113	2011-F5-75-1	6520	124	47	97	52	0	0	0	0	9.6
TCFW6-114	2011-F5-76-1	6978	121	45	97	50	0	0	0	0	9.0
TCFW6-115	2011-F5-76-2	6262	122	44	95	50	0	0	0	0	9.3
TCFW6-116	2011-F5-76-3	6732	122	44	96	51	0	0	0	0	9.1
TCFW6-117	2011-F5-76-4	7880	122	47	97	50	0	0	0	0	9.2
TCFW6-118	2011-F5-79-1	7602	122	47	96	48	0	0	0	0	8.6
TCFW6-119	2011-F5-83-1	6403	120	44	97	53	0	0	0	0	9.8
TCFW6-120	2011-F5-84-1	7159	118	47	97	50	0	0	0	0	9.8
TCFW6-121	2011-F5-84-2	7598	117	48	97	52	0	0	0	0	9.2
TCFW6-122	2011-F5-85-1	6938	120	44	97	50	0	0	0	0	9.0
TCFW6-123	2011-F5-85-2	7996	121	46	97	51	0	0	0	0	9.2
TCFW6-124	2011-F5-86-1	7710	121	47	97	51	0	0	1	0	9.5
TCFW6-125	2011-F5-86-2	7231	121	44	96	51	0	0	0	0	8.7
TCFW6-126	2011-F5-87-1	8621	120	48	97	50	0	0	0	0	9.2
TCFW6-127	2011-F5-88-1	8797	121	45	98	51	0	0	1	0	8.9
TCFW6-128	2011-F5-88-2	6065	121	45	97	51	0	0	0	0	9.6
TCFW6-129	2011-F5-88-3	7737	121	46	95	50	5	0	0	0	9.3
TCFW6-130	2011-F5-90-4	6380	120	44	94	49	15	0	0	0	9.5
TCFW6-131	2011-F5-90-5	6625	119	45	93	50	5	0	0	0	9.2
TCFW6-132	2011-F5-91-1	7916	117	47	87	51	5	0	1	0	8.4
TCFW6-133	2011-F5-91-2	7262	117	44	88	50	15	0	0	0	8.6
TCFW6-134	2011-F5-93-1	7655	120	46	99	50	0	0	2	0	10.4
TCFW6-135	2011-F5-94-1	6217	121	42	98	50	0	0	0	0	10.5
TCFW6-136	2011-F5-95-1	7605	119	45	94	51	0	0	0	0	8.6
TCFW6-137	2011-F5-96-1	7693	114	45	75	48	10	0	1	0	8.7
TCFW6-138	2011-F5-96-2	8331	115	44	93	51	5	0	1	5	8.9
TCFW6-139	2011-F5-96-3	8422	119	44	88	50	0	0	1	15	8.8
TCFW6-140	2011-F5-96-4	9128	114	46	86	50	5	0	0	0	9.5
TCFW6-141	2011-F5-97-1	8756	121	49	96	51	0	0	0	0	9.3
TCFW6-142	2011-F5-99-1	7799	117	49	97	51	0	0	0	0	9.2
TCFW6-143	2011-F5-105-1	6381	124	42	96	52	0	0	0	0	9.3
TCFW6-144	2011-F5-105-2	6957	123	43	95	49	0	0	0	0	8.1
TCFW6-145	2011-F5-105-3	5809	122	46	96	50	0	0	0	0	7.9
TCFW6-146	2011-F5-105-4	6306	121	43	94	49	0	0	1	0	8.7
TCFW6-147	2011-F5-106-1	5919	121	48	97	51	0	0	1	0	9.1
TCFW6-148	2011-F5-106-2	7125	121	49	97	50	0	0	0	0	9.4
TCFW6-149	2011-F5-107-2	7664	123	48	98	52	5	0	0	0	9.0
TCFW6-150	2011-F5-108-1	7530	120	47	96	51	5	0	0	0	9.0

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe		Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)	Scald (0-9)		
TCFW6-151	2011-F5-109-1	7171	121	47	97	52	0	0	1	0	8.8
TCFW6-152	2011-F5-109-2	7143	121	47	96	51	0	0	0	0	9.7
TCFW6-153	2011-F5-109-3	7986	122	46	97	53	0	0	0	0	9.1
TCFW6-154	2011-F5-110-1	6373	120	46	97	50	0	0	0	0	8.9
TCFW6-155	2011-F5-112-1	6722	121	43	97	49	0	0	0	0	9.6
TCFW6-156	2011-F5-112-2	7643	121	46	97	50	0	0	0	0	8.9
TCFW6-157	2011-F5-112-3	7303	123	46	97	50	0	0	0	0	9.2
TCFW6-158	2011-F5-113-1	6678	121	46	96	49	5	0	3	5	8.7
TCFW6-159	2011-F5-113-2	6501	124	44	96	49	0	0	1	0	9.6
TCFW6-160	2011-F5-113-3	6459	121	43	96	50	0	0	1	0	8.9
TCFW6-161	2011-F5-115-1	7243	121	47	97	52	0	0	0	0	9.1
TCFW6-162	2011-F5-118-1	6371	121	44	97	53	0	0	0	0	9.2
TCFW6-163	2011-F5-119-1	6637	121	46	96	50	0	0	0	0	9.3
TCFW6-164	2011-F5-119-2	8086	121	45	97	50	0	0	0	0	9.6
TCFW6-165	2011-F5-120-1	8402	120	46	96	53	0	0	0	0	9.1
TCFW6-166	2011-F5-120-2	7896	120	46	98	51	0	0	0	0	9.2
TCFW6-167	2011-F5-120-3	7816	120	44	98	51	0	0	0	0	9.3
TCFW6-168	2011-F5-121-1	6497	119	44	97	50	0	0	0	0	8.8
TCFW6-169	2011-F5-121-2	7592	121	46	96	50	0	0	0	0	9.6
TCFW6-170	2011-F5-121-3	6315	120	43	98	51	0	0	0	0	9.1
TCFW6-171	2011-F5-121-4	7052	121	44	97	53	0	0	0	0	9.2
TCFW6-172	2011-F5-121-5	7409	119	44	97	50	0	0	0	0	8.4
TCFW6-173	2011-F5-122-1	6227	121	46	97	49	0	0	1	0	9.3
TCFW6-174	2011-F5-123-1	6612	120	46	97	50	0	0	0	0	8.7
TCFW6-175	2011-F5-124-1	6139	122	44	97	51	0	0	0	0	9.2
TCFW6-176	2011-F5-126-1	6846	120	46	97	52	0	0	1	0	9.1
TCFW6-177	2011-F5-126-2	7783	120	47	97	52	0	0	0	0	9.1
TCFW6-178	2011-F5-129-1	7813	119	46	96	50	0	0	1	0	8.7
TCFW6-179	2011-F5-131-1	6053	116	44	96	51	0	0	0	0	9.4
TCFW6-180	2011-F5-132-1	6818	117	47	95	50	0	0	1	0	8.6
TCFW6-181	2011-F5-134-1	6522	121	48	97	50	0	0	0	0	9.2
TCFW6-182	2011-F5-134-2	7944	121	48	97	53	0	0	0	0	9.1
TCFW6-183	2011-F5-134-3	7295	121	50	97	52	0	0	0	0	8.8
TCFW6-184	2011-F5-135-1	6992	123	46	95	50	0	0	0	0	9.8
TCFW6-185	2011-F5-135-2	6886	120	47	97	51	0	0	1	0	10.1
TCFW6-186	2011-F5-135-3	6619	123	45	97	50	0	0	1	0	8.6
TCFW6-187	2011-F5-135-4	8298	121	48	97	51	0	0	0	0	8.6
TCFW6-188	2011-F5-136-1	6186	119	44	96	49	0	0	0	0	9.4
TCFW6-189	2011-F5-140-1	8810	115	39	95	49	0	0	0	0	8.8
TCFW6-190	2011-F5-140-2	8097	118	38	96	49	0	0	1	5	8.7
TCFW6-191	2011-F5-141-1	7153	118	38	94	49	0	0	1	0	9.8
TCFW6-192	2011-F5-141-3	6828	117	35	95	48	0	0	0	0	8.7
TCFW6-193	2011-F5-141-5	8516	117	38	94	48	0	0	0	0	8.9
TCFW6-194	06OR-9	8240	121	51	95	50	0	0	0	0	8.9
TCFW6-195	06OR-10	7516	116	48	91	51	10	0	0	5	8.4
TCFW6-196	06OR-20	5157	118	48	82	48	25	0	5	40	9.1
TCFW6-197	06OR-22	7181	112	50	94	50	15	0	2	10	10.7
TCFW6-198	06OR-37	6281	118	44	95	50	5	0	0	0	8.4
TCFW6-199	06OR-38	5122	112	52	96	50	10	0	4	10	11.6
TCFW6-200	06OR-40	6396	118	49	92	53	10	0	0	5	10.7

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe		Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)	Scald (0-9)		
TCFW6-201	06OR-41	6141	113	51	97	49	15	0	0	5	10.4
TCFW6-202	06OR-42	5553	113	53	95	48	10	0	1	5	10.4
TCFW6-203	06OR-43	4569	124	48	98	51	0	0	0	0	12.1
TCFW6-204	06OR-44	6552	119	47	80	47	5	0	1	20	9.6
TCFW6-205	06OR-45	5163	118	46	93	51	25	0	2	0	9.9
TCFW6-206	06OR-46	4956	115	48	58	47	45	0	8	5	9.0
TCFW6-207	06OR-47	7010	110	49	90	52	10	0	0	65	8.8
TCFW6-208	06OR-51	6023	111	47	95	51	0	0	0	0	10.7
TCFW6-209	06OR-52	6531	106	48	87	51	15	0	0	10	10.6
TCFW6-210	06OR-57	5357	115	49	97	50	15	0	1	5	10.4
TCFW6-211	06OR-58	4658	97	44	90	51	15	0	7	0	9.6
TCFW6-212	06OR-59	6397	96	47	95	53	5	0	3	0	10.1
TCFW6-213	06OR-62	5599	121	47	94	49	5	0	1	5	9.5
TCFW6-214	06OR-75	6908	97	47	85	50	10	0	1	0	9.3
TCFW6-215	06OR-76	4774	118	48	94	49	15	0	1	5	9.7
TCFW6-216	06OR-78	5716	98	48	87	50	5	0	0	0	10.1
TCFW6-217	06OR-79	6649	118	50	95	53	5	0	7	30	10.8
TCFW6-218	06OR-87	6478	111	44	76	52	10	0	1	0	10.0
TCFW6-219	06OR-91	5875	102	48	89	49	10	0	1	0	9.7
DICKTOO	06OR-95	7189	117	49	94	49	0	0	1	5	9.1
TCFW6-221	07OR-3	4733	107	36	89	48	10	0	9	10	9.9
TCFW6-222	07OR-4	6013	118	43	92	50	5	0	6	65	9.3
TCFW6-223	07OR-5	6714	117	44	95	48	15	0	3	0	9.2
TCFW6-224	07OR-6	6331	115	42	88	48	10	0	7	5	9.7
TCFW6-225	07OR-7	6250	118	42	95	48	10	0	7	5	9.6
TCFW6-226	07OR-8	5329	117	42	92	48	15	0	6	5	9.1
TCFW6-227	07OR-9	5532	117	41	93	48	20	0	8	0	9.1
TCFW6-228	07OR-21	6588	118	44	85	49	5	0	1	0	9.2
TCFW6-229	07OR-55	6860	117	47	91	52	80	8	4	0	9.6
TCFW6-230	07OR-57	7029	119	48	94	50	5	0	1	5	8.6
TCFW6-231	07OR-58	7955	119	45	97	50	0	0	1	0	8.5
TCFW6-232	07OR-59	6471	119	46	94	50	5	0	4	15	8.5
TCFW6-233	07OR-62	6864	116	49	85	51	15	0	1	20	9.9
TCFW6-234	07OR-63	5094	119	51	91	50	10	0	1	25	9.4
TCFW6-235	07OR-64	7513	112	39	70	50	5	0	3	0	8.9
TCFW6-236	07OR-65	6664	120	49	94	50	5	0	1	40	9.2
TCFW6-237	08OR-30	6978	112	47	98	50	5	0	0	0	8.3
TCFW6-238	08OR-40	6627	124	49	98	51	0	0	1	0	9.6
TCFW6-239	08OR-41	6857	114	50	99	51	0	0	0	0	9.5
TCFW6-240	08OR-44	7833	119	46	98	51	0	0	1	0	9.1
TCFW6-241	08OR-45	6260	117	46	99	52	0	0	0	0	9.1
TCFW6-242	08OR-46	6933	120	48	97	50	0	0	0	0	8.9
TCFW6-243	08OR-47	7644	117	51	96	49	0	0	1	40	9.0
TCFW6-244	08OR-48	7601	116	46	97	50	0	0	0	0	8.8
TCFW6-245	08OR-49	6916	118	45	97	54	5	0	2	0	9.4
TCFW6-246	08OR-50	6419	119	42	98	49	0	0	1	0	9.5
TCFW6-247	08OR-52	6029	116	46	93	50	10	0	6	45	9.0
TCFW6-248	08OR-53	7261	118	43	98	51	0	0	0	0	8.6
TCFW6-249	08OR-54	8073	118	45	98	51	0	0	0	0	9.8
TCFW6-250	08OR-56	5146	110	50	99	51	0	0	0	0	10.6

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe		Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)	Scald (0-9)		
TCFW6-251	08OR-58	6511	118	44	98	53	0	0	0	0	10.2
TCFW6-252	08OR-69	5785	103	41	92	49	0	0	1	0	10.1
TCFW6-253	08OR-73	6270	116	45	93	48	10	0	7	70	9.4
TCFW6-254	08OR-79	5078	108	40	95	50	5	0	3	0	10.0
TCFW6-255	08OR-80	5643	109	39	78	52	15	0	8	10	9.6
TCFW6-256	08OR-81	6627	116	45	94	49	5	0	0	0	9.4
TCFW6-257	08OR-96	4282	103	41	47	60	5	0	2	15	11.1
TCFW6-258	2011-Short-8	4919	106	29	82	50	0	0	7	0	10.3
TCFW6-259	2011-Short-9	4365	103	29	59	47	20	0	8	0	10.7
TCFW6-260	2011-Short-11	3764	104	28	77	49	5	0	8	0	10.3
TCFW6-261	2011-Short-12	4442	110	33	74	49	20	0	8	0	10.6
TCFW6-262	2011-Short-13	5175	111	31	76	48	15	0	9	0	10.1
TCFW6-263	2011-Short-14	5710	110	32	80	50	15	0	8	0	10.0
TCFW6-264	2011-Short-15	4096	110	33	73	49	15	0	9	0	10.4
TCFW6-265	2011-Short-16	4652	109	29	67	49	5	0	9	0	10.3
TCFW6-266	MW10S4116-001	2843	92	40	86	47	15	15	8	25	11.8
TCFW6-267	MW10S4116-002	2842	92	38	93	46	20	25	7	25	11.6
TCFW6-268	MW10S4116-003	3498	93	42	83	49	20	15	8	5	11.5
TCFW6-269	MW10S4116-004	3586	93	36	82	48	10	10	8	70	10.3
TCFW6-270	MW10S4116-005	3035	91	38	93	50	15	1	9	5	11.1
TCFW6-271	MW10S4118-001	2736	90	35	92	49	20	1	9	5	12.1
TCFW6-272	MW10S4118-002	3017	107	50	93	52	10	5	9	35	11.5
TCFW6-273	MW10S4118-003	2010	91	37	68	48	30	7	9	10	12.1
TCFW6-274	MW10S4118-004	5256	90	40	89	48	10	60	3	0	10.4
TCFW6-275	MW10S4118-005	3665	100	41	78	49	60	20	8	0	10.2
TCFW6-276	MW10S4118-006	3958	104	45	91	51	15	7	9	65	10.8
TCFW6-277	MW10S4120-001	3146	91	41	69	47	35	8	9	10	10.6
TCFW6-278	MW10S4120-002	3112	92	41	77	50	25	20	7	0	11.5
TCFW6-279	MW10S4120-003	3313	90	38	83	50	40	20	8	5	11.4
TCFW6-280	MW10S4120-004	3649	89	37	85	49	35	8	8	15	11.5
TCFW6-281	MW10S4120-005	1564	92	38	78	49	40	5	8	20	11.7
TCFW6-282	MW10S4120-006	2077	98	37	84	49	10	8	8	65	12.2
TCFW6-283	MW10S4120-007	3391	91	41	76	49	10	20	6	35	11.5
TCFW6-284	MW10S4120-008	2112	90	35	74	49	20	10	9	0	11.7
TCFW6-285	MW10S4122-001	3193	89	40	72	47	25	8	9	10	12.5
TCFW6-286	MW10S4122-002	2056	94	41	84	49	5	20	8	90	11.3
TCFW6-287	MW10S4122-003	2745	94	41	78	49	35	1	9	15	12.2
TCFW6-288	MW10S4122-004	3229	91	36	75	48	35	10	9	5	11.4
TCFW6-289	MW10S4122-005	2714	90	35	68	45	15	30	7	10	12.0
TCFW6-290	MW10S4122-006	2240	93	37	85	50	25	20	7	5	11.7
TCFW6-291	MW10S4122-007	3545	94	39	82	48	25	20	8	15	11.0
TCFW6-292	MW10S4122-008	3275	95	44	86	49	15	20	8	10	10.8
TCFW6-293	MW09S4076-001	5243	91	50	82	45	0	60	1	0	10.1
TCFW6-294	MW09S4076-002	4807	111	51	95	48	5	20	5	10	11.4
TCFW6-295	MW09S4078-001	4620	108	50	92	50	20	20	7	0	9.4
TCFW6-296	MW09S4078-002	4050	106	42	93	49	10	5	9	0	10.7
TCFW6-297	MW09S4080-001	3125	95	40	52	46	40	15	8	5	10.8
TCFW6-298	MW09S4082-001	6140	108	53	93	50	5	0	2	0	9.3
TCFW6-299	MW09S4085-001	5774	103	51	97	52	5	10	4	0	11.0
TCFW6-300	MW09S4086-001	5157	106	54	90	49	5	0	0	0	11.0

Table 19. TCAP NUE High for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - High Nitrogen)

Entry	Name	Yield	Heading	Plant	Plump	Test	Straw	Stripe	Scald	Lodging	Protein
		(lbs/A)	Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
Trial Mean		6382	114	44	92	50	6	2	2	4	9.6
Std. Error		368	1	1	1	0.5	5	-	0.2	1	0.3
Replications		1	1	1	1	1	1	1	1	1	1.0

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (0-9)	Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
TCFW6-001	OR76	4691	109	44	98	52	0	0	0	0	9.5
TCFW6-002	OR77 (Alba)	5726	121	40	95	50	0	0	0	0	8.7
TCFW6-003	OR813	5239	100	48	96	51	0	0	0	0	9.6
TCFW6-004	OR815	5638	118	45	93	50	5	0	0	0	8.6
TCFW6-005	OR816	6753	118	43	94	51	0	0	1	0	8.7
TCFW6-006	OR818	5430	115	41	94	49	5	0	2	0	9.2
MAJA	Maja	5007	115	39	92	51	4	0	5	0	9.0
TCFW6-008	OR91	5809	116	42	95	49	0	0	6	0	8.9
TCFW6-009	OR92	5012	116	38	93	48	0	0	8	0	8.3
TCFW6-010	OR97	5798	115	38	94	49	0	0	4	0	9.2
TCFW6-011	OR98	4567	116	39	94	48	5	0	7	0	9.1
TCFW6-012	OR910	5018	117	38	94	49	0	0	3	0	8.3
TCFW6-013	OR915	5018	119	39	93	49	5	0	4	0	8.2
TCFW6-014	OR101	5209	120	41	95	50	0	0	0	0	8.7
TCFW6-015	OR102	6933	115	44	96	48	0	0	0	0	8.7
TCFW6-016	OR103	5091	113	43	96	50	0	0	3	0	9.1
TCFW6-017	OR104	6906	116	41	96	50	0	0	1	0	9.6
TCFW6-018	OR105	5462	117	40	96	49	0	0	1	0	8.5
TCFW6-019	OR106	5555	115	40	98	50	0	0	2	0	8.5
TCFW6-020	OR107	5935	121	42	95	49	0	0	1	0	9.6
TCFW6-021	OR108	6012	117	41	92	51	0	0	1	0	8.4
TCFW6-022	OR109	5352	118	41	94	51	0	0	0	0	10.0
TCFW6-023	OR110	5727	123	37	95	48	0	0	0	0	8.7
TCFW6-024	OR111	5268	122	44	96	52	0	0	0	0	9.6
TCFW6-025	OR112	7519	116	42	98	51	0	0	0	0	8.9
TCFW6-026	OR113	6331	117	42	96	50	0	0	2	0	8.7
TCFW6-027	OR114	6561	113	44	98	48	0	0	0	0	8.4
STRIDER	Strider	5795	116	38	93	48	4	0	1	0	8.6
EIGHT-TWELVE	Eight-Twelve	5340	115	38	83	48	5	0	1	0	8.2
TCFW6-030	OBADV11-2	4964	114	39	97	48	0	0	0	0	8.2
TCFW6-031	OBADV11-6	5802	113	44	97	49	0	0	0	0	9.6
TCFW6-032	OBADV11-13	5338	112	41	97	49	0	0	0	0	10.1
TCFW6-033	OBADV11-14	6907	121	44	96	51	0	0	1	0	9.2
TCFW6-034	OBADV11-17	5632	120	48	97	51	0	0	1	0	9.1
TCFW6-035	OBADV11-26	5722	119	45	98	49	0	0	0	0	9.5
TCFW6-036	OBADV11-29	4784	123	38	94	49	0	0	1	0	9.3
TCFW6-037	OBADV11-30	5363	122	45	98	48	5	0	2	0	8.3
TCFW6-038	OBADV11-31	5075	120	38	96	49	0	5	0	0	9.4
TCFW6-039	PO71DH-84	4068	124	39	96	52	0	0	1	0	9.5
TCFW6-040	PO71DH-87	5909	113	44	99	50	0	0	0	0	8.1
TCFW6-041	PO71DH-94	5180	113	46	98	53	0	0	0	0	10.4
TCFW6-042	PO71DH-104	6766	118	44	92	52	0	0	0	0	9.4
TCFW6-043	PO71DH-111	6340	116	37	96	49	0	0	0	0	8.9
TCFW6-044	PYT211-6	4782	106	43	97	51	0	0	0	0	11.0
TCFW6-045	PYT211-10	6276	114	41	97	51	0	0	0	0	9.6
TCFW6-046	2011-F5-2-1	6332	111	38	95	49	5	0	1	0	8.3
TCFW6-047	2011-F5-3-1	5529	101	34	92	49	0	0	1	0	8.9
TCFW6-048	2011-F5-3-2	5875	100	35	92	49	0	0	1	0	8.0
TCFW6-049	2011-F5-4-1	5975	101	35	96	49	0	0	1	0	9.0
TCFW6-050	2011-F5-4-2	5419	104	37	97	50	0	0	1	0	9.3

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (0-9)	Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
TCFW6-051	2011-F5-5-1	6001	110	41	94	49	0	0	0	0	8.3
TCFW6-052	2011-F5-7-1	5720	118	34	96	49	0	0	0	0	8.0
TCFW6-053	2011-F5-7-3	7099	117	34	95	50	0	0	0	0	8.6
TCFW6-054	2011-F5-7-4	6848	115	37	95	50	0	0	2	0	8.7
TCFW6-055	2011-F5-8-2	6824	118	38	95	49	0	0	1	0	8.8
TCFW6-056	2011-F5-8-3	6388	117	39	96	50	0	0	0	0	9.1
TCFW6-057	2011-F5-9-2	4763	105	42	93	50	0	0	1	0	9.1
TCFW6-058	2011-F5-9-3	4900	105	38	91	49	0	0	1	0	9.4
TCFW6-059	2011-F5-16-1	7573	120	34	94	48	0	0	0	0	7.8
TCFW6-060	2011-F5-16-2	6689	117	35	94	49	0	0	0	0	8.4
TCFW6-061	2011-F5-16-3	6345	121	33	96	50	0	0	0	0	7.9
TCFW6-062	2011-F5-16-4	7068	118	36	95	50	0	0	1	0	8.9
TCFW6-063	2011-F5-17-1	5430	107	33	87	49	0	0	1	0	8.5
TCFW6-064	2011-F5-22-1	6302	108	35	94	48	0	0	0	0	9.5
TCFW6-065	2011-F5-22-3	5595	108	35	94	49	0	0	0	0	9.4
TCFW6-066	2011-F5-23-1	6311	109	38	94	50	0	0	0	0	8.6
TCFW6-067	2011-F5-24-1	6301	115	36	90	50	0	0	0	0	8.7
TCFW6-068	2011-F5-25-1	6392	116	35	96	50	0	0	0	0	8.2
TCFW6-069	2011-F5-25-2	5939	115	35	93	50	0	0	0	0	9.4
TCFW6-070	2011-F5-27-1	6124	113	39	97	51	0	0	0	0	9.3
TCFW6-071	2011-F5-27-2	7617	118	37	94	50	0	0	0	0	8.7
TCFW6-072	2011-F5-27-3	6590	118	38	95	49	0	0	1	0	8.1
TCFW6-073	2011-F5-29-1	5969	116	36	96	49	0	0	1	0	7.6
TCFW6-074	2011-F5-32-1	5431	106	40	95	50	0	0	5	0	8.7
TCFW6-075	2011-F5-35-1	5420	119	40	96	51	0	0	0	0	9.2
TCFW6-076	2011-F5-35-2	4986	120	36	95	51	0	0	0	0	9.5
TCFW6-077	2011-F5-36-1	3708	125	33	96	50	0	0	1	0	9.5
TCFW6-078	2011-F5-36-2	5774	123	38	98	50	0	0	0	0	10.2
TCFW6-079	2011-F5-36-3	4384	123	35	97	51	0	0	0	0	10.0
TCFW6-080	2011-F5-37-1	4148	123	34	97	52	0	0	0	0	11.0
TCFW6-081	2011-F5-37-2	4886	122	35	97	52	0	0	0	0	10.8
TCFW6-082	2011-F5-37-3	6037	122	40	97	52	0	0	0	0	9.7
TCFW6-083	2011-F5-37-4	4642	120	38	98	51	0	0	0	0	10.1
TCFW6-084	2011-F5-37-5	5771	120	39	98	52	0	0	1	0	10.2
TCFW6-085	2011-F5-47-1	6311	111	40	95	51	0	0	1	0	8.1
TCFW6-086	2011-F5-47-2	6614	120	36	94	50	0	0	0	0	8.1
TCFW6-087	2011-F5-47-3	6247	111	41	95	48	0	0	0	0	8.6
TCFW6-088	2011-F5-48-1	6344	117	32	98	50	0	0	1	0	8.3
TCFW6-089	2011-F5-49-1	6725	112	37	95	50	0	0	1	0	8.5
TCFW6-090	2011-F5-50-1	5953	116	38	97	50	0	0	0	0	8.8
TCFW6-091	2011-F5-52-1	6973	115	42	97	51	0	0	0	0	9.3
TCFW6-092	2011-F5-52-2	5923	116	37	95	51	0	0	0	0	9.0
TCFW6-093	2011-F5-52-3	6054	115	40	95	49	0	0	0	0	8.7
TCFW6-094	2011-F5-55-1	4932	122	35	97	50	0	0	0	0	9.4
TCFW6-095	2011-F5-55-2	5038	123	35	96	49	0	0	0	0	10.2
TCFW6-096	2011-F5-56-1	6959	121	41	97	51	0	0	1	0	9.0
TCFW6-097	2011-F5-56-3	4704	121	38	97	49	0	0	0	0	8.6
TCFW6-098	2011-F5-57-2	5756	122	42	96	52	0	0	0	0	8.9
TCFW6-099	2011-F5-58-1	4966	119	41	97	50	0	0	0	0	9.3
TCFW6-100	2011-F5-59-1	5936	123	39	96	50	0	0	0	0	8.5

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (0-9)	Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
TCFW6-101	2011-F5-59-2	5957	123	39	96	49	0	0	0	0	8.3
TCFW6-102	2011-F5-60-1	5380	121	41	95	49	0	0	0	0	8.1
TCFW6-103	2011-F5-60-2	6636	121	42	93	49	0	0	0	0	8.2
TCFW6-104	2011-F5-63-1	6195	118	39	87	50	10	0	1	0	8.8
TCFW6-105	2011-F5-63-2	6065	119	41	87	49	0	0	0	0	7.9
TCFW6-106	2011-F5-64-1	6257	115	38	95	49	0	0	1	0	8.9
TCFW6-107	2011-F5-66-2	6876	118	39	92	51	0	0	1	0	8.7
TCFW6-108	2011-F5-66-3	5065	118	38	92	51	0	0	1	0	8.5
TCFW6-109	2011-F5-72-1	3541	122	37	96	50	0	0	0	0	9.2
TCFW6-110	2011-F5-72-2	5064	120	39	95	50	0	0	0	0	10.4
TCFW6-111	2011-F5-72-3	5507	121	40	97	51	0	0	0	0	10.4
TCFW6-112	2011-F5-72-4	5712	119	43	93	50	0	0	0	0	9.0
TCFW6-113	2011-F5-75-1	5877	122	45	96	51	0	0	0	0	8.8
TCFW6-114	2011-F5-76-1	5051	122	43	95	50	0	0	0	0	9.2
TCFW6-115	2011-F5-76-2	4976	123	40	97	50	0	0	0	0	8.9
TCFW6-116	2011-F5-76-3	6592	122	41	97	50	0	0	0	0	8.5
TCFW6-117	2011-F5-76-4	5099	123	38	97	49	0	0	0	0	8.3
TCFW6-118	2011-F5-79-1	6438	122	41	96	48	0	0	1	0	8.5
TCFW6-119	2011-F5-83-1	5663	119	41	96	50	0	0	0	0	8.1
TCFW6-120	2011-F5-84-1	5408	119	41	95	50	0	0	0	0	9.6
TCFW6-121	2011-F5-84-2	6031	118	42	95	51	0	0	0	0	9.0
TCFW6-122	2011-F5-85-1	7356	124	43	95	51	0	0	0	0	9.0
TCFW6-123	2011-F5-85-2	5970	121	41	97	50	0	0	0	0	8.0
TCFW6-124	2011-F5-86-1	6771	120	40	95	50	0	0	0	0	8.3
TCFW6-125	2011-F5-86-2	6652	120	39	97	51	0	0	0	0	7.9
TCFW6-126	2011-F5-87-1	4471	122	38	93	48	0	0	0	0	8.0
TCFW6-127	2011-F5-88-1	5299	121	40	93	48	0	0	0	0	7.4
TCFW6-128	2011-F5-88-2	5332	121	42	95	50	0	0	0	0	8.5
TCFW6-129	2011-F5-88-3	6386	124	40	93	50	0	0	0	0	8.0
TCFW6-130	2011-F5-90-4	5063	119	42	90	48	5	0	0	0	8.6
TCFW6-131	2011-F5-90-5	5163	120	40	91	50	5	0	0	0	9.0
TCFW6-132	2011-F5-91-1	6682	117	42	90	51	0	0	0	0	8.7
TCFW6-133	2011-F5-91-2	5384	118	38	91	48	0	0	1	0	8.2
TCFW6-134	2011-F5-93-1	6284	119	40	97	50	0	0	0	0	9.0
TCFW6-135	2011-F5-94-1	5104	120	38	97	49	0	0	0	0	9.1
TCFW6-136	2011-F5-95-1	4711	120	40	91	51	0	0	0	0	7.1
TCFW6-137	2011-F5-96-1	5962	112	41	77	48	5	0	1	0	8.0
TCFW6-138	2011-F5-96-2	6237	116	38	94	52	0	0	0	0	8.1
TCFW6-139	2011-F5-96-3	6379	120	40	78	48	0	0	0	0	8.6
TCFW6-140	2011-F5-96-4	7202	114	41	84	50	10	0	0	0	8.7
TCFW6-141	2011-F5-97-1	4412	122	41	95	50	0	0	0	0	7.7
TCFW6-142	2011-F5-99-1	6584	115	44	94	51	0	0	0	0	7.8
TCFW6-143	2011-F5-105-1	5806	123	40	96	50	0	0	0	0	8.2
TCFW6-144	2011-F5-105-2	4934	125	37	95	49	0	0	0	0	8.5
TCFW6-145	2011-F5-105-3	4445	123	35	92	48	0	0	0	0	8.5
TCFW6-146	2011-F5-105-4	6254	121	41	95	51	0	0	0	0	8.2
TCFW6-147	2011-F5-106-1	5828	121	43	95	52	0	0	0	0	8.3
TCFW6-148	2011-F5-106-2	5613	122	43	93	49	0	0	0	0	8.8
TCFW6-149	2011-F5-107-2	5379	121	40	95	51	0	0	0	0	9.8
TCFW6-150	2011-F5-108-1	6696	120	42	97	51	0	0	0	0	8.6

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (0-9)	Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
TCFW6-151	2011-F5-109-1	6677	122	45	96	51	0	0	0	0	8.6
TCFW6-152	2011-F5-109-2	5451	123	40	95	49	0	0	0	0	8.3
TCFW6-153	2011-F5-109-3	5460	123	40	96	51	0	0	0	0	8.5
TCFW6-154	2011-F5-110-1	5345	120	42	96	51	0	0	0	0	8.9
TCFW6-155	2011-F5-112-1	5194	123	40	97	48	0	0	0	0	10.0
TCFW6-156	2011-F5-112-2	4258	123	39	94	48	0	0	0	0	7.8
TCFW6-157	2011-F5-112-3	4089	122	38	94	48	0	0	0	0	8.8
TCFW6-158	2011-F5-113-1	6235	122	40	94	48	0	0	0	0	7.9
TCFW6-159	2011-F5-113-2	5522	124	40	93	49	0	0	0	0	9.4
TCFW6-160	2011-F5-113-3	3858	124	37	95	48	0	0	0	0	8.6
TCFW6-161	2011-F5-115-1	4963	122	40	96	49	0	0	0	0	8.4
TCFW6-162	2011-F5-118-1	5707	122	41	96	51	0	0	1	0	9.0
TCFW6-163	2011-F5-119-1	7126	122	45	96	51	0	0	0	0	9.3
TCFW6-164	2011-F5-119-2	5864	121	41	95	50	0	0	0	0	9.1
TCFW6-165	2011-F5-120-1	6544	121	41	96	50	0	0	0	0	8.4
TCFW6-166	2011-F5-120-2	6843	120	41	94	50	0	0	1	0	8.9
TCFW6-167	2011-F5-120-3	6360	121	42	95	50	0	0	0	0	8.4
TCFW6-168	2011-F5-121-1	5615	121	40	96	50	0	0	0	0	8.6
TCFW6-169	2011-F5-121-2	6610	121	43	96	51	0	0	0	0	9.0
TCFW6-170	2011-F5-121-3	6322	120	41	97	51	0	0	0	0	8.9
TCFW6-171	2011-F5-121-4	6257	120	41	95	50	0	0	1	0	8.1
TCFW6-172	2011-F5-121-5	5692	119	41	96	49	0	0	0	0	8.8
TCFW6-173	2011-F5-122-1	6811	121	41	96	49	0	0	1	0	8.6
TCFW6-174	2011-F5-123-1	5716	121	41	96	50	0	0	0	0	7.8
TCFW6-175	2011-F5-124-1	5613	122	40	96	50	0	0	0	0	9.4
TCFW6-176	2011-F5-126-1	4443	120	40	92	48	0	0	0	0	8.6
TCFW6-177	2011-F5-126-2	4349	121	38	94	49	0	0	0	0	7.9
TCFW6-178	2011-F5-129-1	4618	120	37	88	49	0	0	0	0	8.2
TCFW6-179	2011-F5-131-1	6940	117	41	97	50	0	0	0	0	8.9
TCFW6-180	2011-F5-132-1	5529	119	42	95	50	0	0	0	0	8.6
TCFW6-181	2011-F5-134-1	4626	122	40	94	49	0	0	0	0	9.2
TCFW6-182	2011-F5-134-2	4694	121	39	95	48	0	0	0	0	8.6
TCFW6-183	2011-F5-134-3	5589	121	43	96	50	0	0	0	0	9.6
TCFW6-184	2011-F5-135-1	6500	123	44	99	50	0	0	0	0	8.9
TCFW6-185	2011-F5-135-2	5900	121	42	96	50	0	0	0	0	9.9
TCFW6-186	2011-F5-135-3	4530	125	41	96	50	0	0	0	0	8.9
TCFW6-187	2011-F5-135-4	6080	122	41	96	50	0	0	0	0	8.9
TCFW6-188	2011-F5-136-1	5763	119	43	96	50	0	0	0	0	8.7
TCFW6-189	2011-F5-140-1	6938	115	35	93	49	0	0	0	0	8.7
TCFW6-190	2011-F5-140-2	6386	117	34	94	46	0	0	0	0	8.7
TCFW6-191	2011-F5-141-1	6116	117	35	95	49	0	0	0	0	8.6
TCFW6-192	2011-F5-141-3	5846	117	35	94	49	0	0	1	0	8.3
TCFW6-193	2011-F5-141-5	6775	118	36	97	50	0	0	0	0	9.1
TCFW6-194	06OR-9	5071	120	44	96	50	0	0	1	0	8.7
TCFW6-195	06OR-10	5973	119	46	95	49	0	0	0	0	8.6
TCFW6-196	06OR-20	5399	117	43	90	48	0	0	0	0	8.7
TCFW6-197	06OR-22	4332	115	43	95	49	0	0	0	0	8.8
TCFW6-198	06OR-37	5031	117	41	93	49	5	0	0	0	8.9
TCFW6-199	06OR-38	4485	112	49	97	50	5	0	3	5	10.9
TCFW6-200	06OR-40	4561	118	48	92	51	5	0	0	0	8.7

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (0-9)	Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
TCFW6-201	06OR-41	4385	113	45	98	49	0	0	3	0	10.5
TCFW6-202	06OR-42	4418	115	47	97	49	0	0	1	0	8.7
TCFW6-203	06OR-43	3162	125	44	97	52	0	0	0	0	12.3
TCFW6-204	06OR-44	4979	122	40	94	49	0	0	0	0	7.2
TCFW6-205	06OR-45	5060	119	46	92	51	10	0	1	0	9.3
TCFW6-206	06OR-46	4936	115	43	74	50	5	0	7	0	8.2
TCFW6-207	06OR-47	7396	109	46	93	52	5	0	0	0	7.8
TCFW6-208	06OR-51	4205	112	42	97	52	0	0	0	0	10.5
TCFW6-209	06OR-52	4824	105	43	89	52	0	0	0	0	9.9
TCFW6-210	06OR-57	5307	115	46	98	51	0	0	0	0	9.9
TCFW6-211	06OR-58	4769	96	43	94	51	5	0	1	0	8.6
TCFW6-212	06OR-59	4073	95	42	95	54	0	0	6	0	8.7
TCFW6-213	06OR-62	4359	119	46	96	52	0	0	0	15	10.2
TCFW6-214	06OR-75	4247	99	44	87	49	5	0	0	5	8.5
TCFW6-215	06OR-76	5156	117	46	95	52	15	0	0	5	9.9
TCFW6-216	06OR-78	6385	95	50	88	51	5	0	2	5	9.0
TCFW6-217	06OR-79	4730	117	42	95	50	0	0	7	0	9.5
TCFW6-218	06OR-87	4211	112	40	85	50	0	0	1	0	9.7
TCFW6-219	06OR-91	5371	103	45	86	49	10	0	0	10	9.4
DICKTOO	06OR-95	5632	118	43	93	50	0	0	0	0	8.3
TCFW6-221	07OR-3	4378	108	33	91	48	0	0	2	0	9.1
TCFW6-222	07OR-4	4761	118	38	96	48	0	0	2	0	8.7
TCFW6-223	07OR-5	4812	117	39	94	48	0	0	6	0	8.6
TCFW6-224	07OR-6	5120	115	40	91	49	0	0	8	0	8.9
TCFW6-225	07OR-7	4740	118	38	94	48	0	0	4	0	9.4
TCFW6-226	07OR-8	4941	118	37	95	49	5	0	7	0	8.2
TCFW6-227	07OR-9	4568	116	37	95	48	0	0	5	0	8.7
TCFW6-228	07OR-21	4674	117	43	91	50	5	0	0	0	8.4
TCFW6-229	07OR-55	5766	118	42	92	49	5	0	1	0	7.9
TCFW6-230	07OR-57	7362	119	43	94	51	0	0	1	0	8.2
TCFW6-231	07OR-58	5842	120	42	96	50	0	0	1	0	8.2
TCFW6-232	07OR-59	6054	119	42	92	52	5	0	0	0	7.9
TCFW6-233	07OR-62	4688	116	43	82	51	5	0	4	0	8.9
TCFW6-234	07OR-63	5948	120	47	95	51	0	0	1	0	9.2
TCFW6-235	07OR-64	5896	114	34	77	50	0	0	1	0	8.8
TCFW6-236	07OR-65	5113	120	46	93	51	0	0	1	0	8.2
TCFW6-237	08OR-30	7165	109	49	97	51	5	0	0	5	8.7
TCFW6-238	08OR-40	3618	126	44	95	50	0	0	0	0	10.4
TCFW6-239	08OR-41	5939	115	50	98	51	0	0	0	0	9.5
TCFW6-240	08OR-44	5560	119	39	96	48	0	0	0	0	8.9
TCFW6-241	08OR-45	5358	117	42	99	51	0	0	0	0	8.4
TCFW6-242	08OR-46	5973	121	42	95	47	0	0	0	0	8.4
TCFW6-243	08OR-47	6183	117	46	94	49	0	0	0	0	8.5
TCFW6-244	08OR-48	6576	116	39	98	50	0	0	0	0	9.2
TCFW6-245	08OR-49	5818	116	40	97	50	0	0	1	0	8.2
TCFW6-246	08OR-50	5987	118	41	98	50	0	0	0	0	9.4
TCFW6-247	08OR-52	5450	117	40	98	52	0	0	6	0	9.5
TCFW6-248	08OR-53	6913	119	39	96	49	0	0	0	0	9.1
TCFW6-249	08OR-54	6366	118	42	98	49	0	0	0	0	9.5
TCFW6-250	08OR-56	4580	109	47	99	51	0	0	0	0	10.7

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield (lbs/A)	Heading	Plant	Plump	Test	Straw	Stripe	Scald (0-9)	Lodging (%)	Protein (%)
			Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
TCFW6-251	08OR-58	4182	119	40	98	52	0	0	0	0	10.5
TCFW6-252	08OR-69	5390	105	40	92	50	0	0	0	0	10.1
TCFW6-253	08OR-73	4518	115	42	96	50	10	0	6	0	9.4
TCFW6-254	08OR-79	3806	107	39	95	52	5	0	1	0	10.4
TCFW6-255	08OR-80	4149	108	34	93	50	5	0	6	0	9.4
TCFW6-256	08OR-81	4232	117	41	96	50	0	0	0	0	8.1
TCFW6-257	08OR-96	3854	100	38	43	59	0	0	6	0	9.4
TCFW6-258	2011-Short-8	4874	107	24	81	49	0	0	6	0	10.1
TCFW6-259	2011-Short-9	4685	108	26	68	48	0	0	9	0	9.8
TCFW6-260	2011-Short-11	3908	108	25	84	48	0	1	8	0	9.5
TCFW6-261	2011-Short-12	4509	108	31	85	50	0	0	8	0	9.4
TCFW6-262	2011-Short-13	4973	110	30	83	52	0	0	6	0	9.0
TCFW6-263	2011-Short-14	3951	110	26	86	50	0	0	4	0	9.0
TCFW6-264	2011-Short-15	3644	112	28	80	53	5	0	9	0	9.7
TCFW6-265	2011-Short-16	3826	107	24	81	51	0	0	3	0	8.9
TCFW6-266	MW10S4116-001	2860	91	39	90	49	15	2	9	0	10.3
TCFW6-267	MW10S4116-002	2536	91	35	93	48	35	20	8	0	10.3
TCFW6-268	MW10S4116-003	3976	94	38	93	50	15	2	8	0	10.4
TCFW6-269	MW10S4116-004	4361	92	38	91	52	10	2	9	0	9.5
TCFW6-270	MW10S4116-005	2429	90	38	95	50	15	10	7	5	11.2
TCFW6-271	MW10S4118-001	2412	91	34	92	49	35	30	7	0	11.4
TCFW6-272	MW10S4118-002	2950	107	47	96	54	10	0	7	0	11.2
TCFW6-273	MW10S4118-003	1868	91	35	76	50	45	5	8	0	10.9
TCFW6-274	MW10S4118-004	3733	91	39	89	49	15	60	3	0	9.9
TCFW6-275	MW10S4118-005	2920	101	39	85	51	20	15	8	10	10.2
TCFW6-276	MW10S4118-006	3500	99	42	96	53	5	15	8	0	10.3
TCFW6-277	MW10S4120-001	3310	90	38	78	49	20	30	7	15	10.0
TCFW6-278	MW10S4120-002	2905	91	43	79	49	15	35	6	0	9.2
TCFW6-279	MW10S4120-003	2444	91	34	87	52	75	10	8	0	10.3
TCFW6-280	MW10S4120-004	2673	90	36	85	50	40	25	7	5	10.2
TCFW6-281	MW10S4120-005	2816	92	37	67	49	70	15	8	5	9.6
TCFW6-282	MW10S4120-006	2320	96	35	88	51	35	2	8	0	11.7
TCFW6-283	MW10S4120-007	2975	92	41	76	50	10	30	7	0	10.6
TCFW6-284	MW10S4120-008	2026	90	37	76	52	30	40	7	5	10.8
TCFW6-285	MW10S4122-001	1906	90	32	83	50	55	10	9	0	11.7
TCFW6-286	MW10S4122-002	2642	94	40	89	52	30	3	9	15	11.1
TCFW6-287	MW10S4122-003	3068	91	37	87	50	40	10	9	0	10.1
TCFW6-288	MW10S4122-004	2532	91	34	82	50	0	10	9	0	11.2
TCFW6-289	MW10S4122-005	2690	90	33	84	49	30	15	9	0	10.8
TCFW6-290	MW10S4122-006	2757	93	38	87	49	25	40	6	0	10.2
TCFW6-291	MW10S4122-007	3864	94	43	93	50	5	15	8	0	9.7
TCFW6-292	MW10S4122-008	2621	93	43	91	50	5	5	9	0	9.8
TCFW6-293	MW09S4076-001	3842	90	48	81	46	5	60	3	0	9.6
TCFW6-294	MW09S4076-002	3684	111	47	97	50	0	0	2	0	11.9
TCFW6-295	MW09S4078-001	3785	108	45	92	50	5	25	7	5	10.1
TCFW6-296	MW09S4078-002	4320	105	40	93	50	5	5	9	0	10.7
TCFW6-297	MW09S4080-001	2989	96	38	70	50	20	10	9	0	9.6
TCFW6-298	MW09S4082-001	5519	107	51	95	51	5	0	1	0	8.9
TCFW6-299	MW09S4085-001	3891	104	47	97	50	0	0	1	0	10.6
TCFW6-300	MW09S4086-001	5231	106	48	87	51	5	1	2	0	10.0

Table 20. TCAP NUE Low for Corvallis, OR in 2012-13

(2012-13 TCAP Nitrogen Use Efficiency - Low Nitrogen)

Entry	Name	Yield	Heading	Plant	Plump	Test	Straw	Stripe	Scald	Lodging	Protein
		(lbs/A)	Julian (days from Jan 1)	Height (in)	(on 6/64) (%)	Weight (lbs/bu)	Breakage (%)	Rust (%)			
Trial Mean		5284	114	40	93	50	3	2	2	0	9.1
Std. Error		406	1	1	1	1	2	-	0.3	-	0.4
Replications		1	1	1	1	1	1	1	1	1	1.0

Table 21. Summary of fertilizer/pesticide/herbicides applied

(2012-13 Corvallis field locations only)

Hyslop 1-16 Barley HRs: TCAP-LTT, GS Single Rows, DH single Rows, Malt DH HRBIN, O2MPYT, Isolines, Food HRs
YT: OFOOD, ONUDFOOD, OCOLOR, Misc. Food YT, Food DS

Nitrogen fertility	season	available N	applied	product	date	Notes
	Fall	68 lbs/a "	32 lbs/a (N)	ESN*	7/20/2012 10/10/2012?	
Pass 1-98 & 103-111 Pass 99-102 & 112-147	Spring	27lbs/a "	- 60 lbs/a (N) 60 lbs/a (N)	- ammonium sulfate ammonium sulfate	1/22/2013 3/13/2013 3/14/2013	Drop spreader broke on 3/13, finished on 3/14
Herbicide:	Fall	-	1 oz./acre	Aim	11/28/2012	
Fungicide: Pass 1-51 (TCAP LTT)	Spring	-	14 oz/a (?)	Quilt	4/12/2013	

Hyslop 3-8 Barley TCAP NUE-low, TCAP NUE-high, WMBT, OBWFSW, O2Malt, Drill Strips

Nitrogen fertility	season	available N	applied	product	date	Notes
	Fall	37 lbs/a "	63 lbs/a (N)	ESN*	7/20/2012 10/10/2012	
Pass 1-63 (NUE Low) Pass 64-185 (NUE High, YTs, & DS)	Spring	17lbs/a " "	- 5 lbs/a (N) 50 lbs/a (N)	- ammonium sulfate ammonium sulfate	1/22/2013 3/14/2013 3/14/2013	
Herbicide:	Fall	-	1/2 Rate 1.5 oz./acre 1 oz./acre	Diuron Aim Aim	10/24/2012 11/16/2012 11/28/2012	NUE & YTs NUE & YTs DS
	Spring	-				
Fungicide:	Spring	-	7 oz/a	Stratego	3/15/2013	

Hyslop 2-16 TCAP LTT, Winter Core, Kurtford Conversion, Madre Selva/Butta-12,
ARS BSR Mapping pop., Malt DH single rows, Oregon Promise pop, UBWHN,
BSR Hull-less YT, Malt DH resurrected, BCD47 black, OrNe BSR
Full Pint Pur. HRs & Malt DH single rows

Nitrogen fertility	season	available N	applied	product	date	Notes
	Fall	81 lbs/a "	none	-	8/30/2012	
	Spring	19lbs/a "	- 89 lbs/a (N)	- ammonium sulfate	1/22/2013 3/12/2013	
Herbicide:	Fall	-	1.5 qt/a 0.6 oz./a	Roundup Harmony	11/15/2012 11/15/2012	

Spring - 15 oz/a Huskie 4/25/2013 Activator 90

Fungicide: None

LB Farm

Nitrogen fertility	season	available N	applied	product	date
	Fall	40 lb/a (N) "			9/5/2012
	Spring	"	- 50 lb/a (N)	- Nutri-Rich	6/7/2013

Herbicide: Fall -
Spring -

Fungicide: None

*ESN - Environ. Sensitive N - poly coated urea