

2015 MARITIME REGISTRATION AND RECOMMENDATION CEREAL VARIETY TRIALS

~~Spring & Winter Wheat, Oats and 2 ~~6~~ row Barley~~

Supported by Atlantic Grains Council - Atlantic Crop
Development Committee



AAC Scotia PBR plots - Ottawa

NOT FOR PUBLICATION

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MARITIME 6-ROW BARLEY REGISTRATION AND RECOMMENDATION TEST

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2015 PLOT DATA

<u>COOPERATOR</u>	<u>LOCATION</u>	<u>CODE NAMES</u>	<u>DATE SEEDING</u>	<u>ROWS HARVESTED #</u>	<u>ROW SPACING CM.</u>	<u>ROW LENGTH M.</u>	<u>AREA HARVESTED SQ. M.</u>	<u>REPS HARVESTED NO.</u>
<u>MARITIME SPRING WHEAT REGISTRATION - RECOMMENDATION TEST</u>								
CROPS & LIVESTOCK RESEARCH CENTRE	HARRINGTON	HARR	20-May	4	17.78	3.05	3.254	4
N.B. DEPT. AGRICULTURE & AQUACULTURE	HARTLAND	HART	21-May	6	15.25	7.00	7.000	3
NOVA SCOTIA AGRICULTURAL COLLEGE	CANNING	CANN	06-May	8	15.25	3.00	3.750	3
NOVA SCOTIA AGRICULTURAL COLLEGE	TRURO	TRUR	09-May	8	15.25	3.00	3.750	3
CÉRÉLA INC	SAINT ROSALIE	STRO	04-May	5	17.78	5.00	4.500	3
EASTERN CEREALS & OILSEEDS RES. CENTRE	OTTAWA	OTTA	04-May	6	21.60	4.20	6.300	4
<u>MARITIME WINTER WHEAT REGISTRATION - RECOMMENDATION TEST</u>								
CROPS & LIVESTOCK RESEARCH CENTRE	HARRINGTON	HARR	25-Sep	4	17.78	3.05	3.254	4
N.B. DEPT. AGRICULTURE & AQUACULTURE	HARTLAND	HART	26-Sep	8	15.25	10.00	12.500	3
NOVA SCOTIA AGRICULTURAL COLLEGE	CANNING	CANN	30-Sep	8	15.25	3.00	3.750	3
NOVA SCOTIA AGRICULTURAL COLLEGE	TRURO	TRUR	25-Sep	8	15.25	3.00	3.750	3
EASTERN CEREALS & OILSEEDS RES. CENTRE	OTTAWA	OTTA	01-Oct	6	20.00	4.00	4.800	4
<u>MARITIME OAT REGISTRATION - RECOMMENDATION TEST</u>								
CROPS & LIVESTOCK RESEARCH CENTRE	HARRINGTON	HARR	19-May	4	17.78	3.05	3.254	4
N.B. DEPT. AGRICULTURE & AQUACULTURE	HARTLAND	HART	21-May	6	15.25	7.00	7.000	3
NOVA SCOTIA AGRICULTURAL COLLEGE	TRURO	TRUR	09-May	8	15.25	3.00	3.750	3
<u>MARITIME 2-ROW & 6-ROW BARLEY REGISTRATION - RECOMMENDATION TEST</u>								
CROPS & LIVESTOCK RESEARCH CENTRE	HARRINGTON	HARR	21-May	5	15.60	4.00	3.920	4
N.B. DEPT. AGRICULTURE & AQUACULTURE	HARTLAND	HART	21-May	6	15.25	7.00	7.000	3
NOVA SCOTIA AGRICULTURAL COLLEGE	CANNING	CANN	06-May	8	15.25	3.00	3.750	3
NOVA SCOTIA AGRICULTURAL COLLEGE	TRURO	TRUR	08-May	8	15.25	3.00	3.750	3

2015 Maritime Two-Row Barley Registration-Recommendation Test*

Code	Entry	Yr	Pedigree	Origin	Source
1	Island	c	TBR635-25/Symko		McCardle Brothers
2	Leader	c	AB163-4/DB200	Eastern Grains	Eastern Grains
3	AAC Purpose	c	Danuta/Chief	Bramhill Seeds	M2RBRT
4	AAC Starbuck	c	AC Alberta/CH9202-41	SeCan	M2RBRT
5	Bentley	c	Unknown	Semican	Semican
6	Cerveza	c	TR251/Newdale//TR253/Newdale	Eastern Grains	M2RBRT
7	Newdale	c	Unknown	Semican	Semican
8	Selena	c	Unknown	Co-op	Co-op Federee
9	AAC Synergy	2	TR002267/Newdale	Grand Falls Agromart	Grand Falls Agromart
10	Champion	1	Unknown	Semican	Semican
11	CH2714-4	1	Leader/Chief	CLRC	M2RBST
12	CH2720-1	1	Leader/Pasadena	CLRC	M2RBST
13	CH2720-5	1	Leader/Pasadena	CLRC	M2RBST

* Tested at Harrington, Truro, Canning, and Hartland.

** Varieties given in bold-face are the designated checks for registration purposes.

Table 39. Maritime 2-Row Barley Registration - Recommendation Test: Four Year Means Summary, 2012-2015

Cultivar	Status	Trials		Test		1000	Height	Lodg.	Head.	Matur.	Straw	Scald	Net	Mildew	Smut	FHB	DON
		(yld)	Rank	(t/ha)	(kg/hL)												
AAC Purpose	c	16	3	4.49	60.1	51.4	87	2.4	58	90	1.9	3.4	3.7	1.0	0.0	9.7	0.5
AAC Starbuck*	c	16	8	3.66	74.1	44.9	87	1.4	59	88	2.2	3.9	4.2	1.5	0.2	8.7	0.3
Bentley	c	16	5	4.42	60.0	43.7	80	2.9	61	90	2.3	3.4	2.4	1.5	0.0	11.7	0.3
Cerveza	c	16	2	4.49	60.1	41.5	74	1.9	62	89	1.9	2.4	2.1	1.2	0.0	11.3	0.4
Island	c	16	7	4.25	64.4	45.9	82	1.4	58	88	2.0	3.2	3.5	1.3	2.9	7.3	0.3
Leader	c	16	1	4.68	65.2	51.3	86	0.6	57	88	2.5	3.8	3.1	1.2	0.3	4.7	0.3
Newdale	c	16	4	4.42	61.2	41.1	74	1.7	62	89	1.9	2.5	2.3	1.3	0.0	11.3	0.3
Selena	c	16	6	4.36	64.7	45.6	71	1.6	61	88	1.7	3.9	3.8	1.5	0.0	5.0	0.3
Grand mean				4.34	63.7	45.7	80	1.7	60	89	2.1	3.3	3.1	1.3	0.4	8.7	0.3
SEM				0.09	0.31	0.47	0.9	0.28	0.5	0.6	0.14	0.23	0.24	0.1	0.41	*	0.07
LSD				0.268	0.92	1.4	2.7	0.83	1.4	1.9	0.41	0.69	0.73	0.3	1.23	*	0.2
Site Years				16	16	16	16	16	16	9	6	12	12	7	10	1	4

* Hulless Barley

Table 40. Maritime 2-Row Barley Registration - Recommendation Test: Four Year Yield Summary, 2012-2015

Cultivar	Station Yields				Yield Rankings					
	Hart	Cann	Trur	Harr	Test	Hart	Cann	Trur	Harr	Test
CHECKS										
AAC Purpose	3.41	4.79	5.59	4.08	4.47	2	7	5	2	3
AAC Starbuck*	2.67	4.18	4.57	3.19	3.65	8	8	8	8	8
Bentley	3.16	5.41	5.43	3.70	4.43	5	2	6	4	4
Cerveza	3.00	5.45	5.79	3.77	4.50	6	1	3	3	2
Island	3.29	4.87	5.28	3.58	4.26	3	6	7	7	7
Leader	3.53	4.99	5.81	4.32	4.66	1	4	2	1	1
Newdale	2.88	5.13	6.00	3.70	4.43	7	3	1	4	4
Selena	3.20	4.90	5.70	3.67	4.37	4	5	4	6	6
Mean	3.14	4.97	5.52	3.75	4.35					

* Hulless Barley

Table 41. Maritime 2-Row Barley Registration - Recommendation Test: Three Year Means Summary, 2013-2015

Cultivar	Status	Trials		Test 1000		Height	Lodg.	Head.	Matur.	Straw	Scald	Net	Mildew	Smut	FHB	DON	
		(yld)	Rank	Yields	Weight												Weight
				(t/ha)	(kg/hl)	(gm)	(cm)	(0-9)	(days)	(days)	(t/ha)	(0-9)	blotch	(0-9)	(no.)	((0-100) (ppm)	index
AAC Purpose	c	12	3	4.18	59.0	49.8	87	3.1	58	89	1.8	3.9	4.0	1.0	0.0	9.7	0.6
AAC Starbuck*	c	12	8	3.28	72.9	43.5	84	1.7	59	87	1.8	4.3	4.6	1.5	0.2	8.7	0.3
Bentley	c	12	5	4.14	58.9	42.4	78	3.9	61	89	1.8	4.0	2.5	1.5	0.0	11.7	0.4
Cerveza	c	12	2	4.24	59.1	40.8	72	2.4	62	88	1.6	2.7	2.2	1.2	0.0	11.3	0.4
Island	c	12	7	4.00	63.5	44.9	80	1.9	58	86	1.7	3.6	3.6	1.3	4.3	7.3	0.3
Leader	c	12	1	4.44	64.5	50.7	85	0.8	57	86	2.1	4.1	3.2	1.2	0.0	4.7	0.4
Newdale	c	12	4	4.17	60.4	39.9	73	2.2	62	89	1.6	2.6	2.3	1.3	0.0	11.3	0.4
Selena	c	12	6	4.02	63.7	43.9	70	2.3	62	86	1.5	4.3	4.1	1.5	0.0	5.0	0.3
Grand mean				4.06	62.7	44.5	79	2.3	60	88	1.7	3.7	3.3	1.3	0.6	8.7	0.4
SEM				0.105	0.38	0.48	0.9	0.35	0.5	0.8	0.06	0.28	0.3	0.12	0.53	*	0.09
LSD				0.316	1.14	1.44	2.8	1.06	1.5	2.4	0.19	0.85	0.88	0.36	1.58	*	0.26
Site Years				12	12	12	12	12	12	6	5	9	9	5	7	1	3

* Hulless Barley

Table 42. Maritime 2-Row Barley Registration - Recommendation Test: Three Year Yield Summary, 2013-2015

Cultivar	Station Yields (tonnes/Ha)			Yield Rankings						
	Hart	Cann	Trur	Harr	Test	Hart	Cann	Trur	Harr	Test
CHECKS										
AAC Purpose	3.07	4.41	5.59	3.57	4.16	2	7	4	2	4
AAC Starbuck*	2.34	3.59	4.43	2.67	3.26	8	8	8	8	8
Bentley	3.07	4.93	5.45	3.16	4.15	2	2	6	7	5
Cerveza	2.74	5.18	5.85	3.26	4.26	6	1	2	3	2
Island	3.06	4.51	5.20	3.22	4.00	4	5	7	4	7
Leader	3.43	4.67	5.71	3.87	4.42	1	4	3	1	1
Newdale	2.70	4.86	6.02	3.17	4.19	7	3	1	6	3
Selena	2.91	4.43	5.58	3.19	4.03	5	6	5	5	6
Mean	2.92	4.57	5.48	3.26	4.06					

* Hulless Barley

Table 43. Maritime 2-Row Barley Registration - Recommendation Test: Two Year Means Summary, 2014-2015

Cultivar	Status	Test										DON			
		Trial	Yield	Weight	1000	Height	Lodg.	Head.	Matur.	Straw	Scald		Net	Smut	
		(yld)	Rank (t/ha)	(kg/hl)	(gm)	(cm)	(0-9)	(days)	(days)	(t/ha)	(0-9)	(0-9)	(no.)	(ppm)	
AAC Purpose	c	8	3	4.28	59.6	51.6	84	2.1	57	91	1.4	3.8	4.4	0.1	0.8
AAC Starbuck*	c	8	9	3.22	73.8	44.8	82	0.6	58	88	1.3	4.0	4.9	0.1	0.4
Bentley	c	8	6	4.04	59.4	43.6	75	3.7	61	91	1.3	3.3	2.8	0.1	0.5
Cerveza	c	8	4	4.18	59.9	42.0	70	2.1	62	89	1.2	2.5	2.4	0.0	0.5
Island	c	8	8	3.97	64.0	46.0	77	0.6	57	86	1.2	3.4	4.2	5.4	0.4
Leader	c	8	2	4.37	64.6	51.9	83	0.1	56	85	1.6	3.9	3.4	0.0	0.5
Newdale	c	8	7	4.01	60.6	40.8	71	1.4	62	90	1.2	2.2	2.7	0.0	0.5
Selena	c	8	5	4.10	64.4	45.5	68	1.5	61	88	1.1	4.2	4.4	0.0	0.5
AAC Synergy	2	8	1	4.50	60.6	44.7	71	2.8	59	88	1.3	3.2	2.4	0.0	0.4
Grand mean				4.08	63.0	45.6	76	1.7	59	88	1.3	3.4	3.5	0.6	0.5
SEM				0.123	0.44	0.54	1.2	0.59	0.6	1	0.06	0.29	0.25	0.51	0.13
LSD				0.369	1.32	1.61	3.7	1.78	1.8	3	0.18	0.88	0.76	1.54	0.38
Site Years				8	8	8	8	8	8	4	4	6	6	6	2

* Hulless Barley

Table 44. Maritime 2-Row Barley Registration - Recommendation Test: Two Year Yield Summary, 2014-2015

Cultivar	Station Yields				Yield Rankings					
	Hart	Cann	Trur	Harr	Test	Hart	Cann	Trur	Harr	Test
CHECKS										
AAC Purpose	3.42	4.71	5.65	3.36	4.28	3	6	1	3	3
AAC Starbuck*	2.45	3.72	4.19	2.47	3.21	9	9	9	9	9
Bentley	3.21	5.04	4.97	2.98	4.05	5	3	7	7	6
Cerveza	2.94	5.49	5.20	3.15	4.19	7	2	6	5	4
Island	3.23	4.63	4.89	3.12	3.97	4	7	8	6	8
Leader	3.55	4.75	5.31	3.77	4.35	1	5	5	1	2
Newdale	2.82	4.95	5.38	2.93	4.02	8	4	4	8	7
Selena	3.01	4.59	5.43	3.34	4.09	6	8	3	4	5
SECOND YEAR CULTIVARS										
AAC Synergy	3.46	5.65	5.59	3.38	4.52	2	1	2	2	1
Mean	3.12	4.84	5.18	3.17	4.08					

* Hulless Barley

Table 45. Maritime 2-Row Barley Registration - Recommendation Test: One Year Means Summary, 2015

Cultivar	Status	Test		1000 Weight (gm)	Height (cm)	Lodg. (0-9)	Head. (days)	Matur. (days)	Yield (t/ha)	Straw (t/ha)	Net blotch (0-9)	Smut (no.)	DON (ppm)
		Trials (yld)	Yields Rank (t/ha)										
AAC Purpose	C	4	7	61.4	87	4.8	59	91	1.2	4.0	3.8	0.1	0.4
AAC Starbuck*	C	4	13	75.7	85	1.0	59	87	1.2	4.4	3.8	0.1	0.3
Bentley	C	4	10	61.6	80	8.0	62	91	1.1	3.1	2.1	0.1	0.4
Cerveza	C	4	8	62.3	73	5.0	62	88	1.0	2.8	1.9	0.0	0.5
Island	C	4	11	66.1	80	0.5	58	87	1.1	3.6	3.3	7.1	0.4
Leader	C	4	6	65.9	85	0.0	57	86	1.6	4.4	2.6	0.0	0.4
Newdale	C	4	12	62.8	74	3.2	64	91	1.0	2.4	1.7	0.0	0.6
Selena	C	4	9	66.5	71	3.5	61	89	1.0	4.5	3.4	0.0	0.3
AAC Synergy	2	4	3	61.8	74	6.8	61	87	1.2	3.6	1.6	0.0	0.3
CH2714-4	1	4	2	64.2	85	0.5	60	90	1.6	4.1	3.0	0.0	0.2
CH2720-1	1	4	4	65.7	83	0.2	56	87	1.3	4.2	3.1	0.4	0.3
CH2720-5	1	4	1	62.7	81	0.0	61	89	1.5	3.3	2.7	0.6	0.4
Champion	1	4	5	64.4	76	5.8	59	88	1.3	3.9	1.8	0.5	0.5
Grand mean				4.22	49.5	79	60	89	1.2	3.7	2.7	0.7	0.4
SEM				0.153	0.62	2	0.8	1	0.1	0.41	0.31	0.39	*
LSD				0.459	1.85	6.1	2.4	2.9	0.31	1.22	0.93	1.16	*
Site Years				4	4	4	4	3	2	3	3	3	1

* Hulless Barley

Table 46. Maritime 2-Row Barley Registration - Recommendation Test: One Year Yield Summary, 2015

Cultivar	Station Yields				Yield Rankings					
	Hart	Cann	Trur	Harr	Test	Hart	Cann	Trur	Harr	Test
CHECKS										
AAC Purpose	3.53	4.02	4.46	5.17	4.30	4	10	4	8	6
AAC Starbuck*	2.49	3.39	3.45	3.93	3.31	13	13	13	13	13
Bentley	3.28	4.38	3.94	4.95	4.14	9	6	9	10	9
Cerveza	2.97	4.85	3.66	5.30	4.19	11	2	12	7	8
Island	3.45	3.92	3.67	4.67	3.93	6	11	11	11	11
Leader	3.51	4.17	4.04	5.50	4.30	5	8	7	5	6
Newdale	2.67	4.03	3.93	4.62	3.81	12	9	10	12	12
Selena	3.02	3.88	4.55	5.12	4.14	10	12	3	9	9
SECOND YEAR CULTIVARS										
AAC Synergy	3.44	4.98	4.13	5.77	4.58	7	1	6	2	2
FIRST YEAR CULTIVARS										
CH2714-4	3.31	4.41	4.39	6.17	4.57	8	5	5	1	3
CH2720-1	3.55	4.27	4.74	5.65	4.55	3	7	1	3	4
CH2720-5	3.72	4.63	4.68	5.55	4.65	2	3	2	4	1
Champion	3.76	4.42	3.96	5.40	4.39	1	4	8	6	5
Mean	3.28	4.26	4.12	5.22	4.22					

* Hulless Barley

Table 47 2015 Maritime 2-Row Barley Registration - Recommendation Test - Harrington

Cultivar	Status	Rank	Yield (t/ha)	Test weight (kg/hl)	1000 kwt (gm)	Height (cm)	Iodg. (0-9)	Head. (days)	Scald (0-9)	Net (0-9)	Smut (no/m2)	DON
AAC Purpose	c	8	5.18	64.0	58.3	98	4.8	57	4.5	2.5	0.1	0.4
AAC Starbuck*	c	13	3.93	77.7	53.0	101	1.0	58	3.8	2.8	0.0	0.3
Bentley	c	10	4.95	63.3	49.4	97	8.0	61	4.0	1.2	0.0	0.4
Cerveza	c	7	5.30	64.6	48.5	91	5.0	60	2.8	1.5	0.0	0.5
Island	c	11	4.67	68.8	54.3	90	0.5	56	4.5	1.5	6.7	0.4
Leader	c	5	5.50	69.3	58.8	95	0.0	53	5.0	1.5	0.0	0.4
Newdale	c	12	4.62	65.6	48.7	95	3.2	62	2.5	1.0	0.0	0.5
Selena	c	9	5.12	69.4	52.2	82	3.5	59	4.5	1.8	0.0	0.3
AAC Synergy	2	2	5.77	65.5	50.5	88	6.8	59	3.2	0.7	0.0	0.3
CH2714-4	1	1	6.17	67.7	54.4	99	0.5	56	4.2	1.8	0.0	0.2
CH2720-1	1	3	5.65	68.1	58.0	92	0.2	54	4.0	1.2	0.0	0.3
CH2720-5	1	4	5.55	65.8	57.8	96	0.0	57	3.0	1.5	0.0	0.4
Champion	1	6	5.40	66.3	53.0	94	5.8	56	4.2	0.7	0.0	0.5
Grand mean			5.22	67.4	53.6	94	3.0	58	3.9	1.5	0.5	0.4
SEM			0.174	*	*	1.9	0.91	0.4	0.32	0.39	0.1	0.09
LSD			0.522	*	*	5.7	2.74	1.2	0.97	1.16	0.3	0.26
CV			6.832	*	*	4	60.53	1.4	16.66	51.14	38.04	45.41
Reps			4	1	1	4	4	4	4	4	4	4

* Hulless Barley

Table 48 2015 Maritime 2-Row Barley Registration - Recommendation Test - Hartland

Cultivar	Status	Rank	Yield (t/ha)	Test weight (kg/hl)	1000 kwt (gm)	Height (cm)	Head. (days)	Mature (days)
AAC Purpose	C	4	3.53	59.3	56.0	82	56	86
AAC Starbuck*	C	13	2.49	74.2	45.2	77	54	82
Bentley	C	9	3.28	58.2	46.8	70	62	87
Cerveza	C	11	2.97	59.0	42.4	62	62	84
Island	C	6	3.45	64.4	49.2	72	54	81
Leader	C	5	3.51	64.3	52.8	75	54	81
Newdale	C	12	2.67	59.0	39.2	66	64	88
Selena	C	10	3.02	64.0	47.2	64	63	83
AAC Synergy	2	7	3.44	61.0	46.4	65	60	82
CH2714-4	1	8	3.31	61.7	48.8	78	59	85
CH2720-1	1	3	3.55	64.5	53.6	75	51	82
CH2720-5	1	2	3.72	59.2	51.6	74	61	83
Champion	1	1	3.76	63.8	49.2	69	58	83
Grand mean			3.28	62.5	48.3	71	58	84
SEM			0.225	*	*	2.1	1.6	0.9
LSD			0.674	*	*	6.4	4.8	2.8
CV			11.209	*	*	5.2	4.7	1.9
Reps			3	1	1	3	3	3

* Hulless Barley

Table 49 2015 Maritime 2-Row Barley Registration - Recommendation Test - Canning

Cultivar	Status	Rank	Yield (t/ha)	Test weight (kg/hl)	1000 grain weight (gm)	Height (cm)	Head. (days)	Mature (days)	Straw yield (t/ha)	Scald (0-9)	Net Blotch (0-9)	Smut (no/m ²)
AAC Purpose	C	10	4.02	60.6	51.5	81	60	92	1.2	2.3	3.7	0.0
AAC Starbuck*	C	13	3.39	73.5	44.0	77	60	93	1.3	3.7	3.3	0.2
Bentley	C	6	4.38	62.7	41.5	75	62	94	1.2	1.7	1.3	0.3
Cerveza	C	2	4.85	63.0	42.0	70	62	89	1.0	2.0	1.3	0.0
Island	C	11	3.92	65.0	46.5	75	58	89	1.2	3.0	4.0	9.4
Leader	C	8	4.17	63.1	51.0	82	58	89	1.7	3.0	1.7	0.0
Newdale	C	9	4.03	63.9	40.0	67	64	93	1.1	2.0	1.3	0.0
Selena	C	12	3.88	65.5	47.5	66	60	94	1.1	3.0	3.0	0.0
AAC Synergy	2	1	4.98	59.4	43.0	77	60	93	1.4	3.3	1.3	0.0
CH2714-4	1	5	4.41	63.4	48.5	76	61	93	1.7	4.0	3.3	0.0
CH2720-1	1	7	4.27	65.4	51.0	80	57	90	1.3	4.3	3.3	0.3
CH2720-5	1	3	4.63	63.3	51.0	77	62	93	1.6	3.3	2.3	0.7
Champion	1	4	4.42	62.6	45.5	70	60	94	1.7	3.7	1.7	0.0
Grand mean			4.26	64.0	46.4	75	60	92	1.4	3.0	2.4	0.8
SEM			0.195	*	*	1.9	0.4	*	0.11	0.73	0.62	0.2
LSD			0.585	*	*	5.8	1.3	*	0.32	2.18	1.85	0.61
CV			7.757	*	*	4.5	1.3	*	13.61	41.59	43.89	42.05
Reps			3	1	1	3	3	1	3	3	3	3

* Hulless Barley

Table 50 2015 Maritime 2-Row Barley Registration - Recommendation Test - Truro

Cultivar	Status	Rank	Yield (t/ha)	Test weight (kg/hl)	1000 grain weight (gm)	Height (cm)	Head. (days)	Mature (days)	Straw yield (t/ha)	Scald (0-9)	Net Blotch (0-9)	Smut (no/m2)
AAC Purpose	C	4	4.46	61.9	56.0	84	64	104	1.2	5.0	5.7	0.2
AAC Starbuck*	C	13	3.45	77.4	49.0	79	64	99	1.2	6.0	5.7	0.2
Bentley	C	9	3.94	62.2	47.5	71	65	101	0.9	3.3	4.0	0.0
Cerveza	C	12	3.66	62.5	44.0	64	65	101	0.9	3.7	3.0	0.0
Island	C	11	3.67	66.4	48.5	79	63	100	1.0	3.0	5.0	5.2
Leader	C	7	4.03	67.1	55.5	86	63	97	1.5	5.0	5.0	0.0
Newdale	C	10	3.93	62.6	42.0	59	65	97	0.9	2.7	3.0	0.0
Selena	C	3	4.55	67.0	48.0	70	64	99	1.0	6.0	6.0	0.0
AAC Synergy	2	6	4.13	61.5	45.5	62	65	97	0.9	4.3	3.0	0.1
CH2714-4	1	5	4.39	64.2	54.0	81	64	102	1.6	4.0	4.3	0.0
CH2720-1	1	1	4.74	64.8	55.5	80	63	100	1.3	4.3	5.3	0.9
CH2720-5	1	2	4.68	62.6	52.5	72	64	102	1.4	3.7	4.7	1.2
Champion	1	8	3.96	64.8	49.0	64	64	97	1.0	3.8	3.5	1.7
Grand mean			4.12	65.0	49.8	73	64	100	1.1	4.2	4.5	0.7
SEM			0.262	*	*	3.5	0.3	*	0.1	0.65	0.7	0.4
LSD			0.786	*	*	10.4	0.9	*	0.3	1.95	2.1	1.2
CV			10.039	*	*	8.2	0.8	*	15.13	26.82	27.08	96.12
Reps			3	1	1	3	3	1	3	3	3	3

* Hulless Barley

