

BARLEY

Hulless barley varieties have significantly less fibre and higher protein levels than conventional barley and therefore produce a higher level of digestible energy for monogastric animals. In hulless varieties approximately 12% of the lower yield can be attributed to the lack of a hull. Two row malting barleys are more susceptible to sprouting. Some malting varieties have interim registration and are only grown under contract for plant scale malting tests.

Six Row Barley		Yield as % of Harrington										
Variety	Type	Dawson Creek				Fort St. John				B.C. Peace		
		2001 Yield		1993-2001		2001 Yield		1993-2001		2001	1993-2001	
		bus / acre	% of check	Avg. Yrs.	Stn. Yrs.	bus / acre	% of check	Avg. (%) Yrs.	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.
AC HARPER	feed	122 bc	127	117	[4]	137 a	127	109	[6]	127	113	[10]
AC LACOMBE	feed	122 bc	126	121	[6]	122 bcd	114	109	[9]	120	115	[15]
AC RANGER *	forage	119 c	124	124	[1]	124 bcd	115	115	[1]	119	119	[2]
AC ROSSER	feed	117 cd	121	118	[4]	127 abc	119	114	[6]	120	116	[10]
EXCEL	malt (white)	115 cd	120	120	[1]	114 de	106	105	[2]	113	112	[3]
GAMINE *		116 cd	120	120	[1]	108 e	100	100	[1]	110	110	[2]
HARRINGTON	2R malt	97 e	100	100	[6]	107 e	100	100	[9]	100	100	[15]
KASOTA	feed(sd)	137 a	142	124	[6]	138 a	128	113	[9]	135	118	[15]
LEGACY *	malt (white)	106 de	110	110	[1]	114 de	106	106	[1]	108	108	[2]
MAHIGAN	feed(sd)	134 ab	139	126	[3]	136 a	127	112	[5]	133	119	[8]
NISKA	feed(sd)	133 ab	138	120	[2]	106 e	99	111	[3]	118	116	[5]
ROBUST *	malt (white)	104 de	108	108	[1]	93 f	86	86	[1]	97	97	[2]
TROCHU	feed	125 abc	130	130	[1]	117 cde	109	109	[2]	119	119	[3]
VIVAR	feed(sd)	137 a	142	142	[1]	130 ab	121	128	[2]	131	135	[3]
WESTFORD *	forage	81 f	84	84	[1]	84 f	79	79	[1]	81	81	[1]
LSD (P=.05) =		12.56				11.03						
CV value (%) =		7.47				6.59						
<u>Varieties not tested in 2001 (Averages 1989-2000)</u>												
<u>Last Year Tested</u>												
AC ALBRIGHT	feed			100	[5]			98	[8]	(2000)	99	[13]
AC STACEY	feed			116	[3]			98	[3]	(1996)	107	[6]
ARGYLE	malt			107	[8]			99	[3]	(1994)	103	[11]
B 1602	malt			104	[5]			93	[7]	(1999)	98	[12]
BT 435	malt			111	[1]			103	[2]	(2000)	107	[3]
BONANZA	malt			93	[6]			97	[1]	(1992)	95	[7]
BRIER	feed			117	[8]			114	[4]	(1995)	116	[12]
BRONCO	feed			103	[3]			105	[3]	(1998)	104	[6]
CDC EARL	feed(sd)			111	[5]			108	[7]	(1999)	109	[12]
CDC SISLER	malt			104	[3]			102	[5]	(2000)	103	[8]
CDC YORKTON	malt			113	[1]			106	[3]	(2000)	109	[4]
FOSTER	malt			104	[2]			96	[4]	(2000)	100	[6]
DUEL	malt			100	[6]			94	[3]	(1995)	97	[9]
DUKE	feed(sd)			101	[8]			118	[4]	(1995)	110	[12]
HEARTLAND	feed			104	[8]			96	[3]	(1994)	100	[11]
JACKSON	feed			92	[8]			94	[4]	(1995)	93	[12]
LEDUC	feed			108	[8]			109	[4]	(1995)	109	[12]
NOBLE	feed			110	[8]			96	[4]	(1995)	103	[12]
PROSPECT	malt			93	[2]			98	[2]	(1997)	95	[4]
STANDER	malt			102	[3]			99	[5]	(2000)	100	[8]
STETSON	feed(sd)			112	[4]			104	[7]	(2000)	108	[11]
TANKARD	malt			85	[3]			83	[3]	(1996)	84	[6]
TUKWA	feed(sd)			121	[5]			102	[7]	(1999)	111	[12]

Means followed by the same letter do not significantly differ (P=.05, LSD)

* first year tested, very limited data available

HARRINGTON - check variety

(sd) semi-dwarf variety

Two Row Barley

Yield as % of Harrington

Variety	Type	Dawson Creek				Fort St. John				B.C. Peace				
		2001 Yield		1993-2001		2001 Yield		1993-2001		2001	1993-2001			
		bus / acre	% of check	Avg. (%)	Stn. Yrs.	bus / acre	% of check	Avg. (%)	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.		
AC BOUNTIFUL	malt	121 bc	112	103	[3]	111 fg	100	107	[5]	106	105	[8]		
AC METCALFE	malt	113 cde	104	118	[6]	116 ef	105	109	[9]	105	114	[15]		
CDC BOLD	feed(sd)	132 a	122	113	[2]	133 bc	120	119	[3]	121	116	[5]		
CDC COPELAND	malt	112 de	104	93	[2]	117 ef	105	111	[3]	104	102	[5]		
CDC DOLLY	feed	115 cde	106	120	[6]	123 cde	111	113	[9]	109	117	[15]		
CDC HELGASON	feed	116 cde	107	107	[1]	119 def	108	114	[2]	108	111	[3]		
CDC KENDALL	malt	116 cde	107	102	[4]	104 gh	94	98	[8]	101	100	[12]		
CDC THOMPSON	malt(sd)	118 cd	109	91	[5]	139 b	125	106	[7]	117	98	[12]		
HARRINGTON	malt	108 ef	100	100	[6]	111 fg	100	100	[9]	100	100	[15]		
MERIT	malt	135 a	125	109	[2]	130 bcd	117	110	[4]	121	109	[6]		
<i>Robust</i> *	6R malt	102 f	94	94	[1]	99 h	89	89	[1]	92	92	[2]		
SEEBE	feed	121 bc	112	123	[6]	150 a	135	112	[9]	124	118	[15]		
TR 256 *	feed	111 de	103	103	[1]	112 fg	101	101	[1]	102	102	[2]		
TR 258 *	malt	115 cde	106	106	[1]	116 ef	104	104	[1]	105	105	[2]		
XENA	feed	127 ab	117	108	[2]	137 b	123	115	[3]	120	112	[5]		
LSD (P=.05) =		8.80				10.73								
CV value (%) =		5.24				6.20								
<u>Varieties not tested in 2001 (Averages 1989-2000)</u>												<u>Last Year Tested</u>		
AC OXBOW	malt			114	[4]			98	[5]	(1998)	106	[9]		
B1215	malt			102	[3]			105	[5]	(2000)	103	[8]		
CDC FLEET	feed			101	[3]			83	[4]	(1999)	92	[7]		
CDC GUARDIAN	feed			114	[5]			96	[5]	(1998)	105	[10]		
<i>CDC SELECT (TR 153) *</i>	malt							115	[1]	(2000)	115	[1]		
CDC STRATUS	malt			117	[5]			102	[8]	(2000)	110	[13]		
CDC UNITY	malt			109	[2]			111	[4]	(2000)	110	[6]		
MANLEY	malt			119	[5]			105	[5]	(1998)	112	[10]		
TR 145	malt			104	[2]			109	[3]	(1999)	107	[5]		

Means followed by the same letter do not significantly differ (P=.05, LSD)

HARRINGTON - check variety

(sd) semi-dwarf variety

* first year tested, very limited data available

Hulless Barley

Yield as % of Harrington

Variety	Type	Dawson Creek				Fort St. John				B.C. Peace				
		2001 Yield		1993-2001		2001 Yield		1994-2001		2001	1993-2001			
		bus / acre	% of check	Avg. (%)	Stn. Yrs.	bus / acre	% of check	Avg. (%)	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.		
AC BACON	6 row	94 ab	95	93	[2]	85 ab	93	96	[4]	94	94	[6]		
CDC FREEDOM	2 row	79 c	80	82	[2]	70 d	77	77	[4]	78	80	[6]		
CDC McGWIRE	2 row	98 a	99	99	[2]	89 ab	98	95	[3]	98	97	[5]		
CDC SILKY	6 row	87 bc	88	99	[5]	89 ab	97	90	[6]	92	94	[11]		
FALCON	6 row	96 ab	96	103	[6]	85 ab	93	89	[8]	95	96	[14]		
HARRINGTON	2R malt	99 a	100	100	[6]	92 a	100	100	[8]	100	100	[14]		
HB 805	2 row	103 a	104	88	[2]	81 bc	89	87	[3]	96	88	[5]		
PEREGRINE	6 row	89 b	90	82	[2]	75 cd	82	76	[3]	86	79	[5]		
LSD (P=.05) =		5.17				9.11								
CV value (%) =		3.62				7.45								
<u>Varieties not tested in 2001 (Averages 1989-2000)</u>												<u>Last Year Tested</u>		
AC HAWKEYE	6 Row			99	[3]			96	[3]	(1999)	98	[6]		
CDC DAWN	2 row			94	[3]			94	[5]	(2000)	94	[8]		
CDC GAINER	2 row			76	[2]			78	[4]	(2000)	77	[6]		
<i>CDC SPEEDY *</i>	2 row							92	[1]	(2000)	92	[1]		
CONDOR	2 Row			84	[5]			80	[5]	(1997)	82	[10]		
JAEGER	6 row			88	[2]			93	[4]	(2000)	90	[6]		
PHOENIX	2 Row			85	[5]			75	[5]	(1998)	80	[10]		
TERCEL	2 row			75	[2]			85	[4]	(2000)	80	[6]		

Feed Barley

Variety Descriptions

Variety	Type	1993-2001 B.C.Peace Averages				2001 Average 0-9 scale (0=nil)**				Resistance to					Distributor
		Whole Head %Moist.	Height cm	Bushel Weight lbs/bu	Protein % [st.yrs]	Scald	Net Blotch	Lodging	Root Rot	Scald	Loose Smut	False Smut			
		Eligible for General Purpose Grades Only													
■ AC HARPER	6 row	21.8	84	50	13.1 [2]	2.8	2.2	0.3	F	F	P	F	SeCan		
■ AC LACOMBE	6 row	18.9	88	50	12.3 [2]	2.1	2.6	0.6	P	F	P	G	SeCan		
■ AC ROSSER	6 row	27.5	86	50	11.8 [2]	3.9	2.6	2.4	F	P	P	G	SeCan		
GAMINE *	6 row	26.4	97	49	11.9 [2]	6.0	3.1	0.0					ProMark Seed		
CDC DOLLY	2 row	25.1	77	55	12.1 [2]	3.1	3.2	0.1	F	F	P	G	SeCan		
SEEBE	2 row	32.1	89	54	13.6 [2]	1.6	3.3	0.8	P	G	P	G	SeCan		
TR 256 *	2 row	14.8	101	54	12.2 [2]	4.1	2.6	0.0							
□ XENA	2 row	19.3	80	55	11.8 [2]	3.5	3.1	0.0	G	P	P	P	Agricore United		
□ CDC HELGASON *	2 row	18.3	96	56	12.0 [2]	2.8	3.0	0.1	F	P	G	G	SeCan		
□ TROCHU	6 row	22.8	95	52	11.3 [2]	3.0	1.9	0.3	G	F	P	G	SeCan		
Semi-dwarf varieties															
CDC BOLD	2 row	24.0	75	56	12.45 [2]	1.3	3.3	0.0	F	F	P	G	Canterra		
■ KASOTA	6 row	20.3	73	52	12.3 [2]	1.6	3.4	0.0	F	G	P	G	SeCan		
■ MAHIGAN	6 row	15.8	72	52	12.5 [2]	2.2	3.4	0.0	F	G	P	G	SeCan		
□ NISKA	6 row	29.7	76	53	11.65 [2]	1.6	2.4	0.8	P	G	P	G	Canterra		
□ VIVAR	6 row	28.4	91	53	11.45 [2]	2.3	2.5	0.1	G	F	F	G	SeCan		
Forage varieties															
AC RANGER *	6 row	27.4	108	50	11.55 [2]	3.5	2.6	1.7							
WESTFORD *	6 row	21.4	112	47	11.25 [2]	3.4	2.4	0.3			P		Agricore United		
Varieties not tested in 2001 (Averages 1989-2000)															
		<u>Days to Maturity</u>													
AC ALBRIGHT	6 row	95	88	52.3					P	P	P	P	SeCan		
AC STACEY	6 row	93	65	51.8					P	G	P	G	SeCan		
BRIDGE	2 row	99	70	54.6					F	P	P	F	SeCan		
BRIER	6 row	99	80	50.4					P	F	P	G	SeCan		
BRONCO	6 row	102	90	53.5					F	F	P	F	Value Added		
CDC EARL	6 row(sd)	101	69	50.2					F	G	P	G	SeCan		
CDC FLEET	2 row	97	77	55.3					P	G	P	P	Value Added		
CDC GUARDIAN	2 row	101	79	52.4					F	G	P	G	SeCan		
DUKE	6 row(sd)	98	72	51.2					F	G	P	F	SeCan		
HEARTLAND	6 row	98	70	50.2					F	P	P	F	SeCan		
JACKSON	6 row	92	66	52.3					P	P	P	P	SeCan		
JOHNSTON	6 row	102	77	51.5					P	G	P	P	SeCan		
LEDUC	6 row	97	77	50.0					F	G	F	G	SeCan		
NOBLE	6 row	99	78	50.4					P	P	P	G	SeCan		
OTAL	6 row	88	66	52.4					P	P	P	F	public		
STETSON	6 row(sd)	102	53	50.9					F	G	P	G	Agricore United		
■ STANDER	6 row	103	77	53.1					F	P	P	F	Agricore United		
TUKWA	6 row(sd)	100	73	51.2					F	F	P	G	SeCan		
WINTHROP	2 row	100	75	55.2					P	P	P	G	Agricore United		

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 (sd) semi-dwarf variety

EX = excellent, VG = very good, G = good
 F = fair, P = poor (susceptible)
 * first year tested, very limited data available
 ** 0 - 9 scale; 0 = none, 9 = 100% affected

Malt Barley		all below are eligible for Malting Grades								Variety Descriptions					
Variety	Type	1994-2001			2001 Average					Resistance to					Distributor
		B.C.Peace Averages			0-9 scale (0=nil)**										
		Whole		Bushel	Protein	Scald	Net	Blotch	Lodging	Root Rot	Scald	Loose Smut	False Smut		
		Head	Height	Weight											
%Moist.	cm	lbs/bu	% [st.yrs]												
AC BOUNTIFUL	2 row	20.0	85	54.8	12.5 [2]	4.0	2.6	0.3	F	P	G	G	Quality Assured		
■ AC METCALFE	2 row	21.5	85	54.6	12.1 [2]	3.1	2.5	0.5	F	P	G	F	SeCan		
□ CDC COPELAND	2 row	16.0	85	54.4	11.6 [2]	4.9	2.6	0.3	F	P	P	G	SeCan		
■ CDC KENDALL	2 row	14.8	81	54.6	12.5 [2]	3.1	2.7	0.3	F	P	P	P	Agricore United		
CDC THOMPSON	2 row(sd)	22.1	59	55.4	12.4 [2]	1.8	3.7	0.0	F	F	P	G	Quality Assured		
EXCEL	6 row	29.5	94	51.8	12.0 [2]	3.4	2.3	0.7	F	P	P	G	Proven Seed		
HARRINGTON	2 row	18.5	79	54.2	12.2 [2]	5.8	3.3	0.8	F	P	P	P	SeCan		
LEGACY *	6 row	23.9	104	51.5	12.9 [2]	4.1	2.8	1.2					Agricore United		
■ MERIT	2 row	33.9	78	54.8	11.4 [2]	3.1	2.9	0.0	F	P	P	G	Agricore United/BARI		
ROBUST *	6 row	25.6	108	53.6	13.2 [2]	3.4	2.8	1.1					Cargill		
TR 258 *	2 row	20.5	96	54.7	12.9 [2]	4.1	2.3	0.0							
		Days to													
		Maturity			Varieties not tested in 2001 (Averages 1989-2000)										
AC OXBOW	2 row	100	87	53.7					VG	F	P	G	F	SeCan	
ARGYLE	6 row	96	93	50.8					G	F	P	P	P	SeCan	
B1215	2 row	103	75	54.2					VG	F	P	P	F	Agricore	
B1602	6 row	100	87	53.1					G	F	P	P	F	Agricore	
BONANZA	6 row	95	77	50.2					P	F	P	P	P	public	
BT 435	6 row	100	81	53.7										Proven Seed	
CDC SELECT(TR 153) *	2 row		90	54.8										Agricore United	
■ CDC SISLER	6 row	101	94	51.6					G	F	F	P	P	Proven Seed	
CDC STRATUS	2 row	101	74	54.1					G	F	P	F	F	Performance	
CDC UNITY	2 row	102	77	53.9					G	F	P	P	F	SeCan	
□ CDC YORKTON	6 row	103	71	52.4					G	G	P	P	G	Proven Seed	
DUEL	6 row	98	89	50.3					G	F	P	P	F	Agricore	
■ FOSTER	6 row	101	79	50.5					G		P	P		Proven Seed	
MANLEY	2 row	104	78	53.4					G	F	P	P	F	SeCan	
PROSPECT	6 row	98	97	49.7										Agricore	
STEIN	2 row	99	70	54.8					F	F	P	P	F	Proven Seed	
TANKARD	6 row	103	80	63.4					G	F	P	P	P	SeCan	
TR 145	2 row	99	70	54.4					G	F	P	F	F	Agricore	

Hulless Barley		all below are eligible for Malting Grades								Variety Descriptions					
Variety	Type	1994-2001			2001 Average					Resistance to					Distributor
		B.C.Peace Averages			0-9 scale (0=nil)**										
		Whole		Bushel	Protein	Scald	Net	Blotch	Lodging	Root Rot	Scald	Loose Smut	False Smut		
		Head	Height	Weight											
%Moist.	cm	lbs/bu	% [st.yrs]												
□ AC BACON	6 row	31.1	84	60		2.8	1.7	0.0	F	F	P	G	SeCan		
CDC FREEDOM	2 row	30.6	90	63		4.1	2.5	0.0	F	P	P	G	SeCan		
□ CDC McGWIRE	2 row	34.2	84	63		1.4	2.2	0.0	G	F	P	G	SeCan		
CDC SILKY	6 row	31.0	79	59		1.8	1.6	0.0	F	G	F	F	Value Added		
■ FALCON	6 row	32.6	68	62		1.9	2.1	0.0	F	F	P	G	Progres./SeCan		
HB 805	2 row	17.4	77	61		3.7	2.6	0.4					Agricore United		
□ PEREGRINE	6 row	26.4	62	62		3.4	2.5	0.0	F	F	P	F	Progressive		
		Days to													
		Maturity			Varieties not tested in 2001 (Averages 1989-2000)										
AC HAWKEYE	6 row	102	100	61.9						F	F	P	P	Agricore United	
CDC DAWN	2 row	101	81	62.3						F	G	P	P	SeCan	
CDC GAINER	2 row	97	81	62.4						F	F	P	F	Value Added	
CDC SPEEDY *	2 row		82	63.7										Value Added	
■ JAEGER	2 row	103	65	60.2						P	F	P	P	Progressive	
■ PHOENIX	2 row	101	83	62.3						F	P	P	F	Progres./SeCan	
■ TERCEL	6 row	99	76	61.7						F	P	P	F	Progressive	

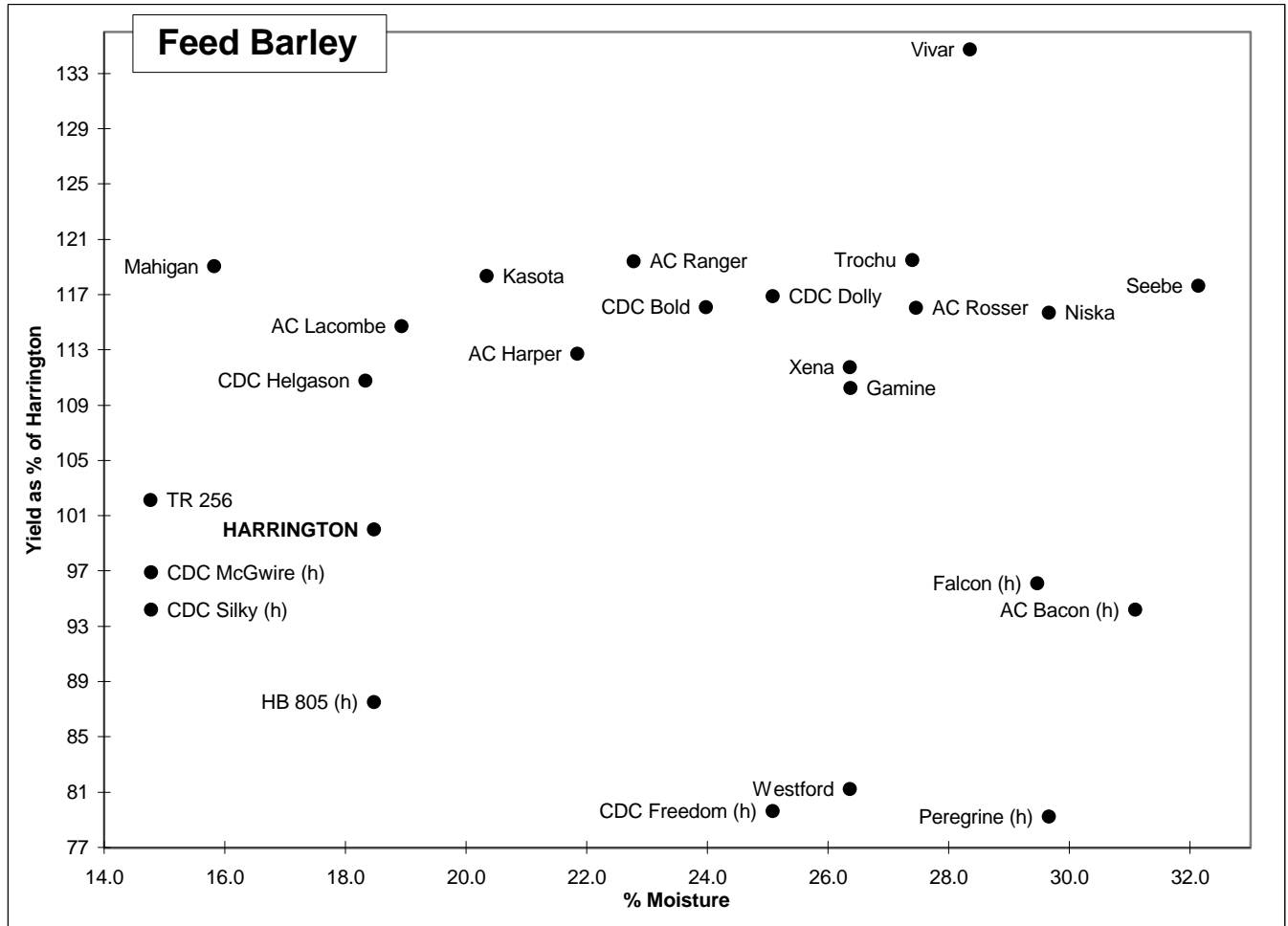
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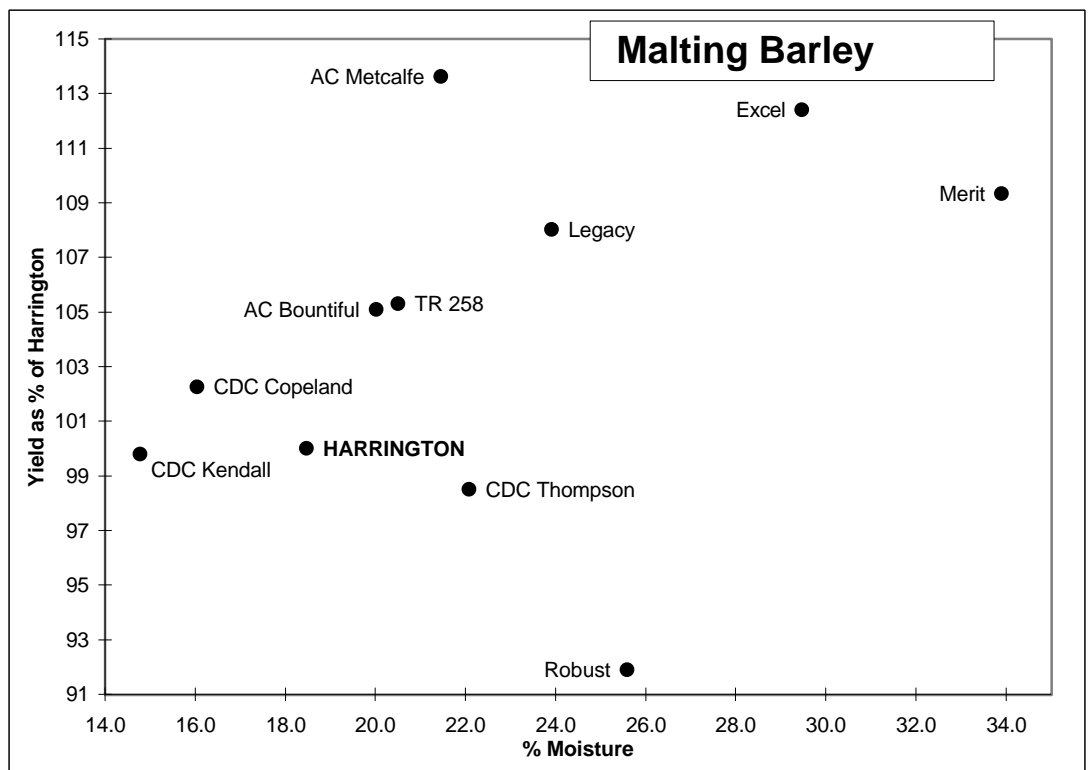
(sd) semi-dwarf variety

Barley

Regional Variety Performance 1993-2001



(h) Hulless



OATS

Oats are usually a feed crop but some varieties are also suitable for higher value feed and food markets. The milling industry prefers higher protein varieties with plump kernels and lower hull content, while the horse industry prefers white hulled varieties. Hulless oat varieties have excellent feed and food value but need to be stored drier than normal varieties (<12% moisture) and do not flow as well in the bin due to their pubescence (hairs), which seem to "lock together". Yield values for hulless oat varieties are expressed after hull removal, which reduces the seed weight by 20-25% compared to the normal varieties. Keep this in mind while comparing yields of hulless oats to hulled varieties.

Oats		Yield as % of Cascade											
Variety	Colour	Dawson Creek					Fort St. John				B.C. Peace		
		2001 Yield		1993-2001			2001 Yield		1994-2001		2001		1993-2001
		bus / acre	% of check	Avg. (%)	Stn. Yrs.	bus / acre	% of check	Avg. (%)	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.	
AC ASSINIBOIA	tan	164 gh	78	87	[3]	184 h	84	88	[7]	81	87	[10]	
AC GWEN (OT 297) (h)	white	94 hi	71	71	[1]	103 ij	74	78	[2]	73	74	[3]	
AC JUNIPER	white	211 bcd	100	112	[4]	219 cd	100	102	[8]	100	107	[12]	
AC KAUFMAN (OT 797)	yellow	189 ef	90	90	[1]	200 fg	91	89	[2]	91	89	[3]	
AC MORGAN	white	226 ab	108	117	[2]	225 bc	102	107	[3]	105	112	[5]	
AC MUSTANG	white	218 abc	104	108	[5]	236 a	108	106	[9]	106	107	[14]	
AC PINNACLE	yellow	197 de	94	107	[2]	210 def	96	100	[3]	95	103	[5]	
AC REBEL	yellow	194 ef	92	104	[2]	196 g	89	93	[3]	90	99	[5]	
AC RONALD *	yellow	197 de	94	94	[1]	214 cde	98	98	[1]	96	96	[2]	
BULLION (h)	white	86 i	65	73	[2]	96.4 j	70	70	[3]	67	72	[5]	
CASCADE	yellow	210 cd	100	100	[5]	220 cd	100	100	[9]	100	100	[14]	
CDC BOYER	yellow	178 fg	84	103	[5]	205 efg	93	98	[8]	89	100	[13]	
CDC DANCER	yellow	196 de	93	93	[1]	214 de	98	97	[2]	95	95	[3]	
OT 7001 *	yellow	199 de	94	94	[1]	218 cd	99	99	[1]	97	97	[2]	
AC BOUDRIAS (OT 799) (h)*	white	99 h	75	75	[1]	109 i	79	79	[1]	77	77	[2]	
SW EXACTOR	white	231 a	110	118	[2]	234 ab	107	105	[4]	108	112	[6]	
	LSD (P=.05) =	15.84				10.36							
	CV value (%) =	5.81				3.55							
<u>Varieties not tested in 2001 (Averages 1989-2000)</u>					<u>Last Year Tested</u>								
AC ANTOINE				117	[1]			96	[2]	(2000)	107	[3]	
AC BELMONT (h)				75	[4]			78	[8]	(2000)	76	[12]	
AC ERNIE (h)				71	[1]			65	[2]	(1999)	68	[3]	
AC HILL (h)				53	[3]			56	[4]	(1995)	55	[7]	
AC MARIE				100	[3]			97	[5]	(1995)	99	[8]	
AC MEDALLION				116	[2]			94	[5]	(2000)	105	[7]	
AC PREAKNESS				113	[4]			102	[8]	(2000)	108	[12]	
ATHABASCA				88	[4]			92	[2]	(1992)	90	[6]	
CALIBRE				97	[6]			105	[5]	(1995)	101	[11]	
CDC PACER				103	[2]			100	[5]	(2000)	101	[7]	
ELVY								102	[2]	(1997)	102	[2]	
DERBY				101	[4]			97	[8]	(2000)	99	[12]	
FOOTHILL				90	[4]			91	[2]	(1992)	91	[6]	
GRIZZLY				90	[4]			87	[2]	(1992)	89	[6]	
JASPER				105	[4]			96	[8]	(2000)	101	[12]	
ROBERT				95	[6]			95	[4]	(1994)	95	[10]	
TERRA (h)				67	[6]			68	[5]	(1995)	68	[11]	
TRIPLE CROWN				110	[2]			100	[3]	(2000)	105	[5]	
WALDERN				108	[5]			109	[5]	(1995)	109	[10]	

Means followed by the same letter do not significantly differ (P=.05, LSD)

* first year tested, very limited data available

CASCADE - check variety

(h) hulless variety

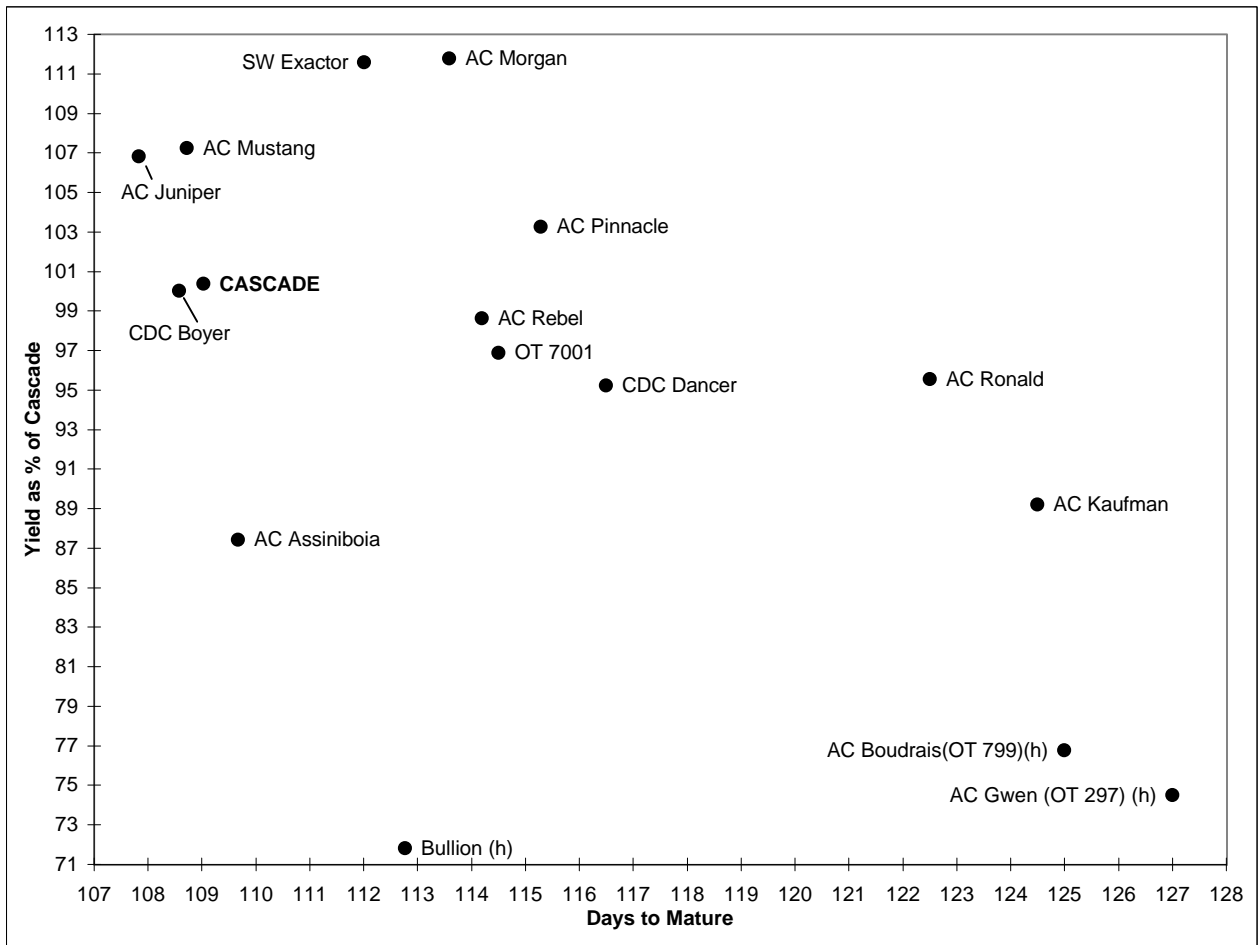
Oats		Variety Descriptions						
Variety	Type	BC Peace Avg. (94-2001)		2001 Avg.	Resistance to		Distributor	
		Days to Maturity	Height cm	Bushel Weight lbs/bu	Lodging 0-9 scale (0=nil)**	Shatter S		Smuts S
■ AC ASSINIBOIA	milling	110	100	40	0.8	G	F	Proven Seed
AC GWEN (OT 297)	hulless	127	120	46	0.1			SeCan
■ AC JUNIPER	milling	108	101	42	0.3	G	F	Agricore United
AC KAUFMAN (OT 797)		125	124	43	0.8			SeCan
□ AC MORGAN	milling	114	100	42	0		F	SeCan
AC MUSTANG	feed / silage	109	109	42	0.8	G	F	Agricore United
□ AC PINNACLE	milling	115	101	41	2.8		G	Quality Assured
□ AC REBEL	milling	114	95	42	0.2		G	Canterra Seeds
□ AC RONALD *		123	106	45	0.3			SeCan
BULLION	hulless	113	90	51	0		P	Agricore United
CASCADE	feed	109	108	40	1.4	G	P	SeCan
CDC BOYER	milling	109	106	40	0.8	G	P	SeCan
□ CDC DANCER	milling	117	118	44	1.8		G	Cargill
OT 7001 *		115	122	46	0.1			Kibite
AC BOUDRIAS (OT 799)*		125	125	44	0.3			Quality / Kibite
□ SW EXACTOR	milling	112	100	40	0.3		F	Quality Assured
<u>Varieties not tested in 2001 (Averages 1989-2000)</u>								
AC ANTOINE	milling	106	85	39.2	G		F	Quaker Oats
■ AC BELMONT	hulless	109	94	41.1	G	G	G	SeCan
□ AC ERNIE	hulless	108	85	42.4	F		G	
AC HILL	hulless	106	106	44.7	G	G	G	SeCan
AC MARIE	gen.purpose	109	100	38.6	G	G	G	SeCan
■ AC MEDALLION	milling	109	97	39.7	F		VG	Cargill
■ AC PREAKNESS	milling	108	101	39.9	F	G	G	Proven Seed
ATHABASCA	feed	103	87	40.3	G	G	P	SeCan
CALIBRE	milling	109	100	42.0	F	G	P	SeCan
CDC PACER	milling	108	93	41.5	F	G	F	Value Added
□ ELVY	gen.purpose	109	104	42.5	G		P	Proven Seed
DERBY	milling	107	104	41.5	G	G	P	Proven Seed
FOOTHILL	forage	105	99	39.0	F	G	P	SeCan
GRIZZLY	feed / forage	107	90	40.5	F	G	P	public
JASPER	milling	105	104	41.8	F	G	P	SeCan
ROBERT		106	93	39.8	G	G	G	SeCan
TERRA	hulless	108	97	42.6	G	G	P	
■ TRIPLE CROWN	milling	108	92	38.5	VG		G	Canterra
WALDERN	feed	107	106	39.7	G	G	P	SeCan

CASCADE - check variety

* first year tested, very limited data available

■ Protected by Plant Breeders' Rights

□ Protection under Plant Breeders' Rights applied for



Oats are often sown to provide fodder in the form of silage or greenfeed. Oats will yield more silage or greenfeed per unit area than any other cereal crop. If managed properly, it can provide 3-4.5 tons of dry matter per acre, or more, of high quality feed containing up to 10 per cent protein. Many years of comparing yields of oats with barley have shown oats to be superior in the Black and Grey Wooded soil zones. Although the per cent protein level in barley is higher than in oats, the total amount of protein produced on a given area is higher with oats than with barley. Oats have about 22-26 per cent hull whereas barley averages about 12-14 per cent hull on a weight basis. When choosing a variety, the seed yield as well as the forage yield should be considered, thereby keeping one's options open to harvest as forage or grain. It is believed by some farmers that one variety might be better than another because it appears leafier; however, tests on a number of varieties have shown very little variation in leafiness.

On heavier soils and in the more moist areas, lodging resistance should be considered. The variation in straw feed quality between oat varieties is insignificant and should not be used as a variety selection criterion. The average feed values are: protein - 4 per cent, fibre - 49 per cent, calcium - 0.27 per cent, and phosphorus - 0.08 per cent.

Source: Alberta Agriculture, Food, and Rural Development website www.agric.gov.ab.ca