CANADA WESTERN RED SPRING WHEAT

As grain yields increase, protein content generally decreases. Some of the newer varieties have both higher protein and grain yield. To control true *loose smut* of wheat only a systemic fungicide will work as the pathogen is found inside the seed. To control the other types of smut (*covered* , *false loose* and *bunt*) a non-systemic fungicide seed treatment will work as the disease pathogen is on the outside of the seed.

CWRS Wheat — Yield as % of Katepwa

Variety	Dawson Creek 2003 Yield bus / acre		Dawson Creek 2003 Yield % of Check	Dawson Creek 1994-2003 Avg. (%)	Dawson Creek 1994-2003 Station Years	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of Check	Fort St. John 1994-2003 Avg. (%)	Fort St. John 1994-2003 Station Years	B.C. Peace 2003 Avg. (%)	B.C. Peace 1994-2003 Avg. (%)	B.C. Peace 1994-2003 Station Years
5500 HR	52	ab	110	104	[4]	75	efg	95	99	[5]	103	102	[9]
5601HR	48	a-d	101	95	[2]	76	d-g	95	98	[2]	98	96	[4]
AC Barrie	51	a-d	107	100	[7]	79	a-f	100	94	[10]	103	97	[17]
AC Inrepid	46	bcd	97	102	[5]	83	abc	104	103	[7]	100	103	[12]
AC Splendor	48	a-d	102	98	[6]	77	b-g	97	94	[8]	99	96	[14]
Alikat	47	bcd	99	98	[4]	75	efg	94	96	[5]	96	97	[9]
CDC Bounty	48	a-d	102	103	[4]	82	a-e	103	103	[5]	102	103	[9]
CDC Imagine	46	bcd	98	106	[3]	78	a-g	99	103	[3]	98	104	[6]
CDC Teal	44	d	93	101	[6]	75	efg	94	96	[9]	94	99	[15]
Harvest	45	cd	95	99	[3]	72	gh	90	97	[3]	93	98	[6]
Journey	46	bcd	98	104	[3]	74	fg	93	93	[3]	96	98	[6]
Kanata**	31	e	65	80	[3]	67	h	84	84	[4]	74	82	[7]
Katepwa	**47**	**a-d**	**100**	**100**	**[7]**	**79**	**a-f**	**100**	**100**	**[10]**	**100**	**100**	**[17]**
*Lillian (BW776)**	50	a-d	105	105	[1]	84	ab	106	106	[1]	105	105	[2]
McKenzie	51	abc	108	104	[4]	81	a-f	101	101	[6]	105	103	[10]
Prodigy	54	a	113	112	[4]	76	c-g	95	100	[6]	104	106	[10]
Roblin	45	cd	95	95	[6]	76	d-g	95	95	[9]	95	95	[15]
Snowbird**	48	a-d	101	103	[3]	79	a-g	99	97	[4]	100	100	[7]
Superb	53	ab	111	110	[3]	85	a	107	107	[3]	109	108	[6]
LSD (P=.05) =	6.80					7.21							
CV value (%) =	10.14					6.56							
Varieties not tested in 2003 (1989 - 2002)											Last Year Tested		
5600 HR				103	[3]				108	[4]	(2002)	106	[7]
AC Abey				104	[4]				110	[6]	(2002)	107	[10]
AC Cadillac				97	[4]				83	[6]	(2001)	90	[10]
AC Cora				100	[3]				102	[6]	(2000)	101	[9]
AC Domain				94	[4]				90	[7]	(2000)	92	[11]
AC Eatonia				99	[4]				99	[7]	(2000)	99	[11]
AC Elsa				110	[5]				107	[7]	(2002)	109	[12]
AC Majestic				109	[4]				102	[7]	(2001)	106	[11]
AC Michael				100	[4]				100	[7]	(2000)	100	[11]
AC Minto				103	[5]				103	[7]	(1995)	103	[12]
CDC Makwa				100	[6]				100	[7]	(1995)	100	[13]
Columus				97	[7]				99	[3]	(1992)	98	[10]
Laura				101	[4]				105	[7]	(2000)	103	[11]
*Lovitt**				106	[1]				111	[1]	(2002)	109	[2]
Neepawa				97	[9]				101	[8]	(1996)	99	[17]
Park				87	[7]				95	[5]	(1993)	91	[12]
Pasqua				99	[4]				93	[6]	(1995)	96	[10]

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

Katepwa - check variety

* first year tested, very limited data available

**HWSW Hard White Spring Wheat

CWRS Wheat

Variety Descriptions

	Variety	B.C.Peace Averages 1994-2003 Whole Head % Moist.	Whole Head +/- check***	Height cm	Bushel Weight lbs/bu	Protein % [st.yrs]		B.C. Peace 2001-02 0-9 scale (0=nil)** Septoria complex	Powdery Mildew	Lodging	Alberta Agdex 100/32 Resistance to Shatter	Root Rot	Loose Smut	Common Bunt	Sprouting	Distributor
■	5500 HR	27.3	2.0	88	65.4	13.9	[7]	3.8	1.8	0.0	G	F	F	F	G	Agricore United
□	5601HR	34.1	1.8	85	64.2	14.5	[4]	2.0								Agricore United
■	AC Barrie	24.6	3.0	91	62.8	14.3	[7]	3.7	2.8	0.0	G	F	G	G	F	SeCan
■	AC Inrepid	22.1	-1.2	92	63.0	13.6	[7]	3.8	1.2	0.5	G	F	F	G	P	Canterra
	AC Splendor	20.6	-1.9	91	62.0	14.4	[7]	3.8	1.4	0.9	G	F	P	F	F	SeCan
	Alikat	22.0	-3.3	87	63.9	14.2	[7]	5.5	2.6	0.9	G	F	G	G	F	Canterra
	CDC Bounty	26.1	0.8	92	65.4	13.7	[7]	3.7	1.3	2.6	G	F	G	G	F	Canterra
□	CDC Imagine	28.1	-1.0	88	63.3	14.0	[6]	3.6	1.0	0.0						Sask Wheat Pool
	CDC Teal	20.7	-0.7	78	63.3	14.7	[4]	2.3		G	G	F	F	F	F	Quality Assured Seeds
□	Harvest	26.9	-2.3	88	64.8	14.7	[6]	5.0	0.6	0.0						Quality Assured Seeds
■	Journey	33.3	4.1	86	64.3	15.3	[6]	3.3	2.0	0.0						Sask Wheat Pool
□	Kanata**	29.7	0.5	85	64.1	13.9	[7]	3.9	1.4	0.0						Quality Assured Seeds
	Katepwa	**21.6**	**0.0**	**93**	**61.9**	**13.7**	**[7]**	**4.0**	**1.4**	**1.2**	**G**	**F**	**G**	**G**	**F**	**SeCan**
□	*Lillian (BW776)**	26.9	-0.6	87	64.3	15.0	[2]									SeCan
	McKenzie	18.3	-2.3	90	63.2	13.4	[5]	3.9	2.3	0	G	F	P	G	EX	Agricore United
	Prodigy	26.1	1.6	92	64.9	14.0	[7]	2.6	3.3	0.0	G	F	F	F	F	Sask Wheat Pool
	Roblin	20.9	-0.5	73	62.8	15.1	[4]	4.2		VG	G	F	G	P	F	SeCan
□	Snowbird**	29.8	0.6	93	63.8	13.4	[7]	3.9	0.4	0.1						Quality Assured Seeds
□	Superb	32.9	3.7	86	64.0	13.6	[6]	4.2	0.4	0.0	G	F	F	G	G	SeCan
	Varieties not tested in 2003 (Averages 1989-2002)															
■	5600 HR	27.8	3.1	96	64.1	12.7	[5]	2.9	3.6	0.1	G	F	G	G	G	Agricore United
■	AC Abey	22.4	-0.1	84	62.7	12.6	[5]	3.7	0.6	0.1	G	F	G	G	P	Semiarid Prairie Ag
■	AC Cadillac	20.3		99	62.8	13.5	[3]	3.9	0.7	1.8	G	F	G	G	F	Quality Assured Seeds
	AC Cora	17.6		93	61.6	13.3				G	G	G	G	G	F	SeCan
	AC Domain	19.5		85	62.4	14.2				VG	G	F	G	G	F	SeCan
	AC Eatonia	23.1		92	61.1	12.9				F	G	F	F	G	F	Agricore United
■	AC Elsa	24.8	3.1	88	61.0	13.8	[5]	2.7	0.8	0.1	G	F	G	F	F	SeCan
	AC Majestic	23.2		96	61.8	12.7	[3]	2.2	2.3	0.6	G	F	F	G	F	SeCan
	AC Michael	18.5		93	60.6	12.8				G	G	F	G	G	F	SeCan
	AC Minto	14.6		94	62.5					G	G	F	G	G	F	SeCan
	CDC Makwa	14.9		89	61.9					G	G	P	G	F	P	SeCan
	Columus	25.5		88	63.2					G	G	F	F	G	F	SeCan
	Laura	24.1		92	61.1	13.0				G	G	F	F	P	F	SeCan
□	*Lovitt**	38.9	1.8	79	64.0	13.4	[2]	2.7								Canterra
	Neepawa	20.0		91	60.9					G	G	F	G	F	F	CRC
	Park	17.1		81	62.7					F	G	F	G	F	F	LRC
	Pasqua	15.8		87	61.8					G	G	P	P	F	P	SeCan

Katepwa - check variety

□ **Protection under Plant Breeders' Rights applied for**

■ **Protected by Plant Breeders' Rights**

EX = excellent, VG = very good, G = good

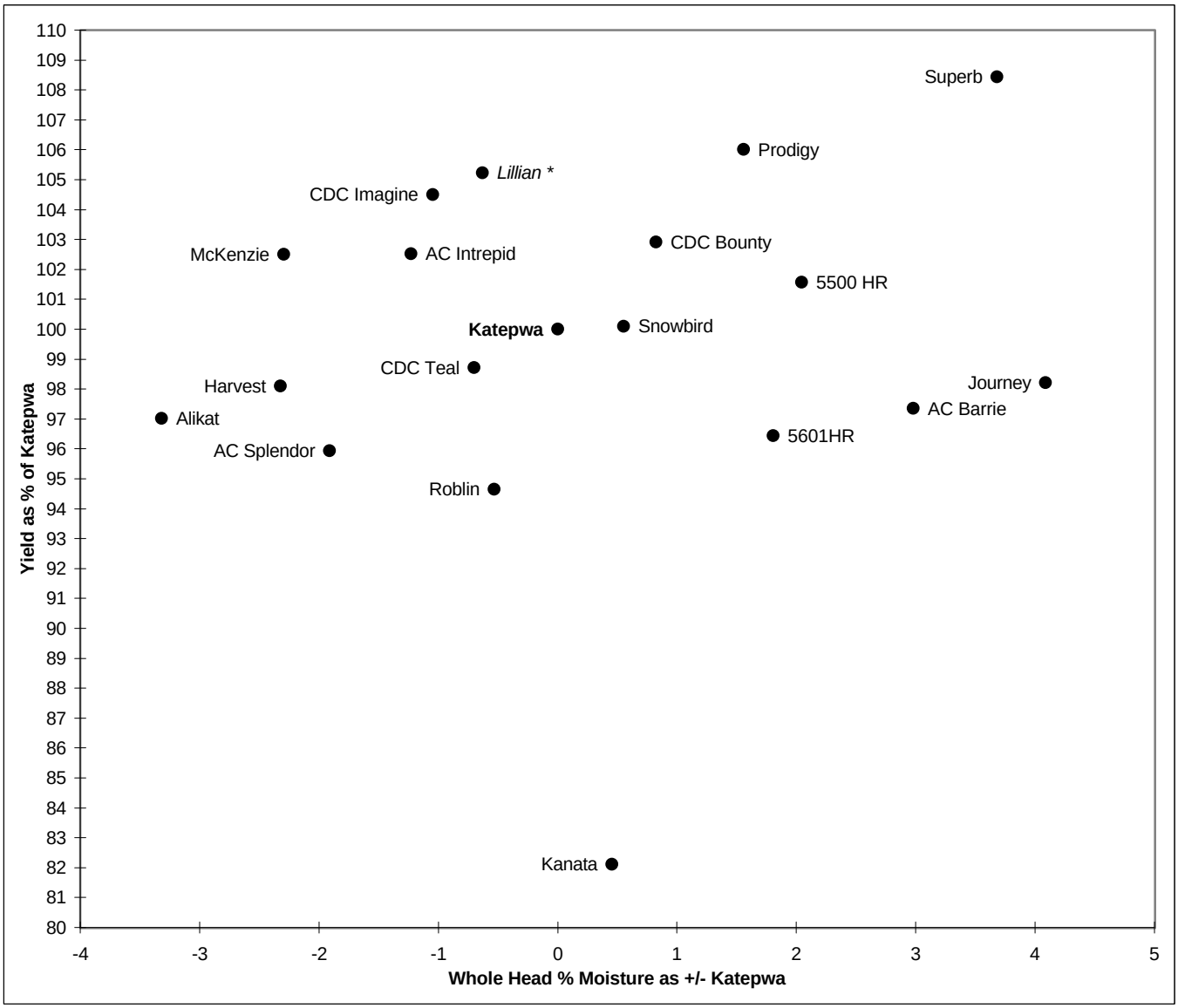
F = fair, P = poor (susceptible)

* first year tested, very limited data available

** 0 - 9 scale; 0 = none, 9 = 100% affected

Note: ***Whole Head %Moisture = To accommodate a more accurate system of comparing maturity *between years* , maturity data (given as whole head % moisture), is now compared as *relative to the check (+ / -)* in a similar fashion as yield data. Whole head % moisture is a tangible (quantitative) measurement, not an assigned relative value (qualitative), and thus a more accurate value. The values displayed here show how much "wetter" or "drier" a given variety is as compared to the check variety, at the time of head collection. Head collection occurs when the earliest lines are below 20% moisture.

CWRS Wheat — Regional Variety Performance 1994-2003



* first year tested, very limited data available

CANADA PRAIRIE SPRING WHEAT

CANADA WESTERN EXTRA STRONG WHEAT

All current Canada Prairie Spring varieties are awned and should be treated with a systemic fungicide seed treatment to control smut. Canada Western Extra Strong wheats have unique gluten properties. Avoid deep seeding CPS or CWES wheats. Seeding rates for these wheats should be increased 20 to 25% due to the larger kernel size. [The CPS and CWES wheats are traditionally grown together in the same trial]

CPS Wheat

Yield as % of AC Taber

		Dawson Creek				Fort St. John				B.C. Peace		
		2003 Yield		1993-2003		2003 Yield		1994-2003		2003	1993-2003	
Variety	Type	bus / acre	% of check	Avg. (%)	Stn. Yrs.	bus / acre	% of check	Avg. (%)	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.
5700PR	CPS red	46 d	89	100	[4]	85 ab	96	98	[5]	93	99	[9]
5701PR	CPS red	57 ab	110	115	[2]	82 b	92	91	[3]	101	103	[5]
AC Crystal	CPS red	59 a	113	105	[6]	86 ab	98	97	[8]	105	101	[14]
AC Foremost	CPS red	54 abc	104	99	[7]	91 a	103	100	[9]	103	99	[16]
AC Taber	**CPS red**	**52 c**	**100**	**100**	**[8]**	**88 a**	**100**	**100**	**[10]**	**100**	**100**	**[18]**
AC Barrie	CWRS	52 bc	100	88	[3]	71 c	80	74	[3]	90	81	[6]
Katepwa	CWRS	52 bc	101	88	[3]	72 c	82	76	[3]	91	82	[6]
LSD (P=.05) =		5.23				6.47						
CV value (%) =		6.73				5.55						
Varieties not tested in 2003 (Averages 1989-2002)									Last Year Tested			
AC2000**	CPS white			102	[3]			100	[4]	(2002)	101	[7]
AC Karma	CPS white			96	[5]			102	[7]	(2000)	99	[12]
AC Vista	CPS white			110	[4]			101	[6]	(2001)	105	[10]
Cutler	CPS red			90	[5]			89	[7]	(1999)	90	[12]

Means followed by the same letter (both charts as grown together) do not significantly differ (P=.05, LSD)

AC Taber - check variety

* first year tested, very limited data available

**AC 2000 - Restricted registration expires June 27, 2004

CPS & CWES grown together in same trial.

CWES Wheat

Yield as % of AC Taber

		Dawson Creek				Fort St. John				B.C. Peace		
		2003 Yield		1993-2003		2003 Yield		1994-2003		2003	1993-2003	
Variety	Type	bus / acre	% of check	Avg. (%)	Stn. Yrs.	bus / acre	% of check	Avg. (%)	Stn. Yrs.	Avg. (%)	Avg. (%)	Stn. Yrs.
AC Taber	**CPS red**	**52 c**	**100**	**100**	**[8]**	**88 a**	**100**	**100**	**[10]**	**100**	**100**	**[18]**
Amazon	CWES	53 bc	102	97	[4]	70 c	80	83	[6]	91	90	[10]
Glenavon	CWES	53 bc	102	101	[3]	74 c	83	87	[4]	93	94	[7]
AC Barrie	CWRS	52 bc	100	88	[3]	71 c	80	74	[3]	90	81	[6]
Katepwa	CWRS	52 bc	101	88	[3]	72 c	82	76	[3]	91	82	[6]
LSD (P=.05) =		5.23				6.47						
CV value (%) =		6.73				5.55						
Varieties not tested in 2003 (Averages 1989-2002)									Last Year Tested			
AC Corrine	CWES			102	[1]			95	[3]	(2000)	99	[4]
Bluesky	CWES			93	[5]			90	[7]	(2000)	92	[12]
CDC Rama	CWES			105	[2]			81	[2]	(2002)	93	[4]
Glenlea	CWES			97	[5]			93	[7]	(2000)	95	[12]
Laser	CWES			87	[2]			83	[4]	(2000)	85	[6]
Wildcat	CWES			78	[5]			79	[7]	(1999)	79	[12]

CPS / CWES Wheat — Variety Descriptions

	Variety	Type	B.C.Peace Averages 1994-2003 ***Whole Head % Moist.	+/- check***	Height cm	Bushel Weight lbs/bu	Protein % [st.yrs]	B.C. Peace 2001-02 0-9 scale (0=nil)** Septoria complex	Powdery Mildew	Lodging	data Alberta Agdex 100/32 Resistance to Shatter	Root Rot	Loose Smut	Common Bunt	Sprouting	Distributor
■	5700PR	CPS red	28.8	-0.4	74	69	11.6 [6]	3.65	0.88	0	G	F	P	G	P	Agricore United
□	5701PR	CPS red	36.3	-0.2	73	62	12.4 [4]	3.33			G		F	P	P	Agricore United
■	AC Crystal	CPS red	27.4	0.4	79	67	11.7 [6]	2.35	1.76	0.63	G	P	F	G	P	SeCan
	AC Foremost	CPS red	21.2	-1.4	70	62	12.0 [4]	3			G	F	G	G	F	SeCan
	AC Taber	**CPS red**	**24.8**	**0.0**	**80**	**65**	**11.6 [6]**	**2.43**	**1.44**	**0.32**	**G**	**F**	**P**	**G**	**P**	**SeCan**
□	Amazon	CWES	31.7	0.7	98	66	13.0 [6]	3.36	1.25	2.63	G	F	G	F	P	U of Manitoba
■	Glenavon	CWES	35.1	-0.3	101	70	12.7 [6]	3.06	1.07	2.88	G	F	G	F		SeCan
■	AC Barrie	CWRS	31.1	-1.1	88	65	14.2 [6]	4.58	3.07	0	G	F	G	G	G	SeCan
	Katepwa	CWRS	26.6	-2.6	93	62	13.3 [7]	4.03	1.44	1.19	G	F	G	G	F	SeCan
	Varieties not tested in 2003 (Averages 1989-2002)															
	AC2000	CPS white	30.4	0.4	78	69	11.3 [4]	3.28	2.19	0.19	G	F	F	G	F	SeCan
	AC Corrine	CWES	27.4		91	61				G	G	F	G	G	F	CRC
	AC Karma	CPS white	15.8		83	62				G	G	F	G	G	P	SeCan
■	AC Vista	CPS white	18.9		88	68	10.1 [2]	2.94	2.63	0.38	G	F	F	G	P	Quality Assured
	Bluesky	CWES	17.8		99	61				F	G	G	G	F	F	SeCan
	CDC Rama	CWES	38.2	-0.1	98	80	13.7 [4]	2.9	0.94	1.75						U of S
	Cutler	CPS red	13.9		77	62				G	G	F	P	P	F	UofA
	Glenea	CWES	24.6		102	61				G	G	G	G	F	G	U of M
	Laser	CWES	18.1		90	61				EX	G	F	G	P	G	U of A
	Wildcat	CWES	16.0		89	59				F	G	F	G	P	F	SeCan

AC Taber - check variety

□ Protection under Plant Breeders' Rights applied for

■ Protected by Plant Breeders' Rights

EX = excellent, VG = very good, G = good

F = fair, P = poor (susceptible)

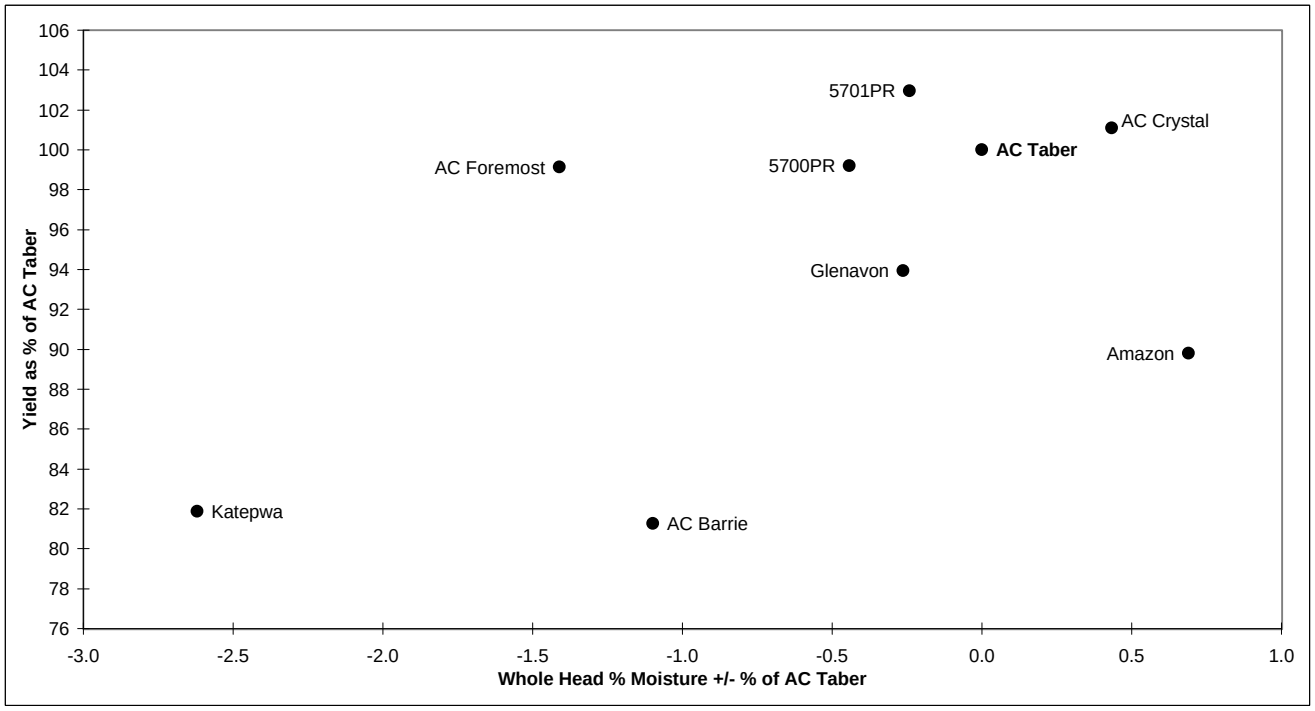
* first year tested, very limited data available

** 0 - 9 scale; 0 = none, 9 = 100% affected

(no lodging or Powdery Mildew occurred in 2002 to record)

*** Whole Head %Moisture = see note bottom of page 8

CPS / CWES Wheat — Regional Variety Performance 1994-2003



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. Note that some new lines of hulless are actually surpassing the traditional 2-row barley Harrington in yield. Hulless bushels displayed already adjusted. 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 2003 Yield bus / acre		Dawson Creek 2003 Yield % of check	Dawson Creek 1993-2003 Avg.	Dawson Creek 1993-2003 Stn. Yrs.	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of check	Fort St. John 1993-2003 Avg. (%)	Fort St. John 1993-2003 Stn. Yrs.	B.C. Peace 2003 Avg. (%)	B.C. Peace 1993-2003 Avg. (%)	B.C. Peace 1993-2003 Stn. Yrs.
AC Albright	feed	75	ghi	89	99	[7]	125	hij	100	98	[10]	95	98	[17]
AC Harper	feed	85	b-g	102	112	[6]	143	a-e	115	109	[8]	108	111	[14]
AC Lacombe	feed	88	b-e	105	118	[8]	143	a-d	115	110	[11]	110	114	[19]
AC Ranger	forage	88	b-e	105	119	[3]	137	c-g	110	122	[3]	108	120	[6]
AC Rosser	feed	84	b-g	101	114	[6]	137	c-g	111	116	[8]	106	115	[14]
B1602	malt(white)	77	fgh	92	101	[7]	121	jk	97	94	[9]	95	98	[16]
BT954	malt(white)	81	d-g	97	95	[2]	127	g-j	102	105	[2]	100	100	[4]
CDC Battleford	malt	94	ab	113	115	[2]	149	ab	120	121	[2]	116	118	[4]
CDC Sisler	malt(white)	79	d-g	95	103	[5]	138	c-g	111	106	[7]	103	104	[12]
CDC Springside	malt(white)	86	b-f	103	110	[2]	136	c-h	109	114	[2]	106	112	[4]
CDC Tisdale	malt	83	c-g	99	108	[2]	134	d-i	108	121	[2]	104	114	[4]
Harrington	**2R malt**	**84**	**b-g**	**100**	**100**	**[8]**	**124**	**ij**	**100**	**100**	**[11]**	**100**	**100**	**[19]**
Kasota	feed(sd)	83	c-g	100	119	[8]	132	e-j	106	111	[11]	103	115	[19]
*Lacey (BT965)**	malt(white)	75	gh	90	90	[1]	130	f-j	105	105	[1]	97	97	[2]
LEGACY	malt (white)	84	b-g	101	106	[3]	126	hij	101	107	[3]	101	106	[6]
Mahigan	feed(sd)	87	b-f	104	117	[5]	143	a-d	115	111	[7]	109	114	[12]
*Manny (BT562)**	feed	104	a	125	125	[1]	147	abc	118	118	[1]	121	121	[2]
Robust	malt (white)	81	d-g	96	99	[3]	124	ij	100	98	[3]	98	99	[6]
Trochu	feed	89	bcd	106	114	[3]	141	b-f	113	111	[4]	110	112	[7]
Vivar	feed(sd)	93	bc	112	123	[3]	152	a	122	123	[4]	117	123	[7]
LSD (P=.05) =		10.81					10.97							
CV value (%) =		9.21					5.85							

Varieties not tested in 2003 (Averages 1989-2002)

Variety	Type	1993-2003 Avg.	1993-2003 Stn. Yrs.	Last Year Tested	Avg. (%)	Stn. Yrs.
AC Stacey	feed	116	[3]	(1996)	107	[6]
Argyle	malt	107	[8]	(1994)	103	[11]
Bonanza	malt	93	[6]	(1992)	95	[7]
Brier	feed	117	[8]	(1995)	116	[12]
Bronco	feed	103	[3]	(1998)	104	[6]
CDC EARL	feed(sd)	111	[5]	(1999)	109	[12]
CDC YORKTON	malt	113	[1]	(2000)	109	[4]
Deul	malt	100	[6]	(1995)	97	[9]
Duke	feed(sd)	101	[8]	(1995)	110	[12]
Excel	malt (white)	113	[2]	(2002)	111	[5]
Foster	malt	104	[2]	(2000)	100	[6]
*GAMINE **		120	[1]	(2001)	110	[2]
Jackson	feed	92	[8]	(1995)	93	[12]
Leduc	feed	108	[8]	(1995)	109	[12]
Niska	feed(sd)	120	[3]	(2002)	118	[7]
Stander	malt	102	[3]	(2000)	100	[8]
Stetson	feed(sd)	112	[4]	(2000)	108	[11]
Tankard	malt	85	[3]	(1996)	84	[6]
Tukwa	feed(sd)	121	[5]	(1999)	111	[12]
Westford	forage	84	[1]	(2001)	81	[1]

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

Harrington - check variety

***** first year tested, very limited data available

(sd) semi-dwarf variety

Two Row Barley — Yield as % of Harrington

Variety	Type	Dawson Creek 2003 Yield bus / acre		Dawson Creek 2003 Yield % of check	Dawson Creek 1993-2003 Avg. (%)	Dawson Creek 1993-2003 Stn. Yrs.	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of check	Fort St. John 1993-2003 Avg. (%)	Fort St. John 1993-2003 Stn. Yrs.	B.C. Peace 2003 Avg. (%)	B.C. Peace 1993-2003 Avg. (%)	B.C. Peace 1993-2003 Stn. Yrs.
AC Metcalfe	malt	82	c-g	101	113	[8]	141	b-e	113	108	[11]	107	111	[19]
CDC Bold	feed(sd)	87	bcd	107	110	[4]	146	abc	116	116	[5]	112	113	[9]
CDC Copeland	malt	80	d-h	99	100	[4]	126	g-j	100	108	[5]	100	104	[9]
CDC Dolly	feed	85	b-e	104	116	[8]	143	bcd	114	112	[11]	109	114	[19]
CDC Helgason	feed	82	c-h	101	106	[3]	135	d-g	108	109	[4]	104	108	[7]
CDC Kendall	malt	77	f-i	95	101	[6]	124	ij	99	98	[10]	97	99	[16]
CDC Select	malt	75	hi	92	101	[2]	135	d-h	108	107	[3]	100	104	[5]
CDC THOMPSON	malt(sd)	70	i	87	90	[6]	129	f-j	103	105	[8]	95	98	[14]
Harrington	**malt**	**81**	**c-h**	**100**	**100**	**[8]**	**125**	**hij**	**100**	**100**	**[11]**	**100**	**100**	**[19]**
Merit	malt	92	b	113	114	[4]	149	ab	119	113	[6]	116	114	[10]
Newdale	malt	79	e-h	98	106	[3]	133	e-i	106	103	[3]	102	105	[6]
Niobe	feed	81	c-h	100	105	[2]	143	bcd	114	102	[2]	107	104	[4]
*Ponoka (TR01656)**	feed	100	a	123	123	[1]	153	a	122	122	[1]	123	123	[2]
Rivers (TR256)	feed	83	c-f	103	103	[3]	129	f-j	103	102	[3]	103	103	[6]
Robust (6R check)	6R malt	75	ghi	93	93	[3]	120	j	95	93	[3]	94	93	[6]
Seebe	feed	88	bc	109	118	[8]	148	ab	118	112	[11]	113	115	[19]
XENA	feed	83	c-f	103	110	[4]	150	ab	120	113	[5]	111	111	[9]
LSD (P=.05) =		7.16					9.73							
CV value (%) =		6.14					4.98							
Varieties not tested in 2003 (Averages 1989-2002)												Last Year Tested		
AC Bountiful	malt				103	[3]				107	[5]	(2001)	105	[8]
AC Oxbow	malt				114	[4]				98	[5]	(1998)	106	[9]
B1215	malt				102	[3]				105	[5]	(2000)	103	[8]
*Calder **	malt				114	[1]				101	[1]	(2002)	108	[2]
CDC Fleet	feed				101	[3]				83	[4]	(1999)	92	[7]
CDC STRATUS	malt				117	[5]				102	[8]	(2000)	110	[13]
*CDC Trey (TR359)**	feed				105	[1]				95	[1]	(2002)	100	[2]
Manley	malt				119	[5]				105	[5]	(1998)	112	[10]

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 2003 Yield bus / acre		Dawson Creek 2003 Yield % of check	Dawson Creek 1993-2003 Avg. (%)	Dawson Creek 1993-2003 Stn. Yrs.	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of check	Fort St. John 1994-2003 Avg. (%)	Fort St. John 1994-2003 Stn. Yrs.	B.C. Peace 2003 Avg. (%)	B.C. Peace 1993-2003 Avg. (%)	B.C. Peace 1993-2003 Stn. Yrs.
CDC McGwire	2 row	62	efg	90	99	[3]	104	f-j	104	97	[4]	97	98	[7]
Falcon	6 row	53	hi	77	99	[7]	88	kl	89	89	[9]	83	94	[16]
*Tyto**	6 row	51	i	74	81	[1]	83	l	83	86	[1]	79	84	[2]
Harrington	**2R malt**	**67**	**b-g**	**100**	**100**	**[7]**	**99**	**ij**	**100**	**100**	**[9]**	**100**	**100**	**[16]**
LSD (P=.05) =		8.65					8.87							
CV value (%) =		9.21					5.85							
Varieties not tested in 2003 (Averages 1989-2002)												Last Year Tested		
AC Bacon	6 row				99	[3]				96	[5]	(2002)	98	[8]
AC Hawkeye	6 Row				99	[3]				96	[3]	(1999)	98	[6]
CDC Dawn	2 row				94	[3]				94	[5]	(2000)	94	[8]
CDC Freedom	2 row				86	[3]				79	[5]	(2002)	82	[8]
CDC Gainer	2 row				76	[2]				78	[4]	(2000)	77	[6]
CDC Silky	6 row				96	[6]				89	[7]	(2002)	93	[13]
*CDC Speedy**	2 row									92	[1]	(2000)	92	[1]
HB805	2 row				88	[2]				87	[3]	(2001)	88	[5]
Jaeger	6 row				88	[2]				93	[4]	(2000)	90	[6]
Peregrine	6 row				77	[3]				76	[4]	(2002)	76	[7]
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	B.C. Peace Averages 2001-03 ***Whole Head %Moist	2002-03 Days to Maturity	1993-2003 Height cm	Bushel Weight lbs/bu	Protein % [st.yrs]	B.C. 2001-2003 0-9 scale (0=nil)** Scald	Net Blotch	Lodging	Alberta Agdex 100/32 Resistance to Root Rot	Loose Smut	False Smut	Distributor
	Eligible for General Purpose Grades Only													
	AC Albright	6 row	-11.2	87	85	52	12.6 [4]	1.8	1.7		P	P	P	SeCan
■	AC Harper	6 row	2.9	96	78	49	12.6 [6]	2.1	2.0	0.3	F	P	F	SeCan
■	AC Lacombe	6 row	0.0	94	83	50	11.6 [6]	1.7	1.5	0.6	P	P	G	SeCan
■	AC Rosser	6 row	7.1	97	80	50	11.6 [6]	2.9	1.7	2.4	F	P	G	SeCan
	CDC Dolly	2 row	3.8	97	73	55	13.1 [6]	2.0	2.4	0.1	F	P	G	SeCan
■	CDC Helgason	2 row	-0.2	96	77	55	13.0 [6]	2.3	2.3	0.1	F	G	G	SeCan
□	Niobe	2 row	0.6	96	64	54	13.4 [4]	0.6	1.5					SeCan
□	*Ponoka (TR01656)**	2 row	10.5	104	68	53	12.7 [2]	1.1						SeCan
□	Rivers (TR 256)	2 row	-2.8	95	75	53	12.6 [6]	3.2	1.7	0.0	P	G	G	Quality Assured
	Seebe	2 row	13.4	103	86	54	14.2 [6]	0.7	2.2	0.8	P	P	G	SeCan
□	Trochu	6 row	0.8	94	78	52	11.5 [6]	2.1	1.2	0.3	G	P	G	SeCan
■	XENA	2 row	2.1	98	72	55	12.7 [6]	2.4	2.2	0.0	G	P	P	Agricore United
	Semi-dwarf varieties													
	CDC Bold	2 row	1.4	96	67	55	13.0 [6]	0.9	2.4	0.0	F	P	G	Canterra
■	Kasota	6 row	-4.1	89	69	52	12.3 [6]	1.7	3.4	0.0	F	P	G	SeCan
	Mahigan	6 row	-2.0	93	67	52	12.6 [6]	1.8	3.6	0.0	F	P	G	SeCan
□	*Manny (BT562)**	6 row	2.5	99	67	51	11.3 [2]	0.8						SeCan
■	Vivar	6 row	6.0	96	71	52	11.5 [6]	2.2	1.9	0.1	G	F	G	SeCan
	Forage varieties													
	AC Ranger	6 row	6.1	97	77	51	11.4 [6]	2.8	1.5	1.7				Brandon Res. Center
	Varieties not tested in 2003 (Averages 1989-2002)													
	AC Stacey	6 row		93	65	52					P	P	G	SeCan
	Brier	6 row		99	80	50					P	P	G	SeCan
	Bronco	6 row		102	90	54					F	P	F	Value Added
	CDC EARL	6 row(sd)		101	69	50					F	P	G	SeCan
	CDC Fleet	2 row		97	77	55					P	P	P	Quality Assured
□	*CDC Trey (TR359)**	2 row	-5.0	89	59	55	13.6 [2]	2.7	1.8					SeCan
	Duke	6 row(sd)		98	72	51					F	P	F	SeCan
	*GAMINE **	6 row		106	97	49	11.9 [2]	6.0	3.1	0.0				ProMark Seed
	Jackson	6 row		92	66	52					P	P	P	SeCan
	Leduc	6 row		97	77	50					F	F	G	SeCan
■	Niska	6 row	9.0	102	70	53	11.3 [4]	1.2	1.4	0.8	P	P	G	Canterra
■	Stander	6 row		103	77	53					F	P	F	Agricore United
	Stetson	6 row(sd)		102	53	51					F	P	G	Agricore United
	Tukwa	6 row(sd)		100	73	51					F	P	G	SeCan
	*Westford **	6 row		102	112	47	11.3 [2]	3.4	2.4	0.3		P		Agricore United

□ Protection under Plant Breeders' Rights applied for

■ Protected by Plant Breeders' Rights

(sd) semi-dwarf variety

** 0 - 9 scale; 0 = none, 9 = 100% affected

EX = excellent, VG = very good, G = good

F = fair, P = poor (susceptible)

* first year tested, very limited data available

(no lodging present to record in 2002 & 2003)

Note: ***Whole Head %Moisture = To accommodate a more accurate system of comparing maturity *between years* , maturity data (given as whole head % moisture), is now compared as *relative to the check (+ / -)* in a similar fashion as yield data. Whole head % moisture is a tangible (quantitative) measurement, not an assigned relative value (qualitative), and thus a more accurate value. The values displayed here show how much "wetter" or "drier" a given variety is as compared to the check variety, at the time of head collection. Head collection occurs when the earliest lines are below 20% moisture.

Malt Barley

Variety Descriptions

	Variety	Type	B.C. Peace Averages 2001-2003 ***% Moist. +/- of Check	2002-03 Days to Maturity	1994-2003 Height cm	Bushel Weight lbs/bu	Protein % [st.yrs]	2001-03 B.C. Avr. 0-9 scale (0=nil)** Scald	Net Blotch	Lodging	Alberta Agdex 100/32 Resistance to Root Rot	Loose Smut	False Smut	Distributor
■	AC Metcalfe	2 row	1.7	97	80	54	13.0 [6]	2.2	2.1	0.5	F	G	F	SeCan
■	CDC Copeland	2 row	1.8	99	79	53	12.5 [6]	3.4	2.1	0.3	F	P	G	SeCan
■	CDC Kendall	2 row	-3.1	95	76	54	13.3 [6]	2.3	2.3	0.3	F	P	P	Agricore United
■	CDC Select	2 row	5.1	99	68	53	13.0 [4]	2.1	1.2		F	G	G	Agricore United
	CDC THOMPSON	2 row	-1.8	95	57	55	13.2 [4]	1.5	3.7	0.0	F	P	G	Quality Assured
	Harrington	**2 row**	**0.0**	**95**	**72**	**54**	**12.8 [12]**	**3.8**	**2.8**	**0.8**	**F**	**P**	**P**	**SeCan**
■	Merit	2 row	11.5	101	73	54	12.3 [6]	2.5	2.2	0.0	F	P	G	Agricore United
□	Newdale	2 row	1.4	97	73	53	13.2 [6]	2.7	1.9	0.0	G	P	G	Quality Assured
	B1602	6 row	-3.9	92	83	53	11.5 [4]	2.3	1.4	G	F	P	F	Agricore United
	BT954	6 row	-4.1	92	70	52	12.4 [4]	3.0	1.0					Busch Ag
■	CDC Battleford	6 row	2.0	96	71	52	11.6 [4]	1.9	1.0					Quality Assured
■	CDC Sisler	6 row	1.6	95	89	52	12.0 [4]	2.4	1.0	G	F	P	P	Agricore United
■	CDC Springside	6 row	-2.4	96	75	52	11.5 [4]	2.3	1.4					Agricore United
■	CDC Tisdale	6 row	2.0	96	74	50	11.6 [4]	2.1	0.8					Quality Assured
□	*Lacey (BT965)**	6 row	-5.7	95	67	52	12.7 [2]	3.0						Newfield Seeds
■	LEGACY	6 row	1.0	93	80	52	12.4 [6]	2.9	2.0	1.2	G	F	G	Agricore United
	Robust	6 row	1.0	95	78	53	13.3 [10]	2.5	1.9	1.1	F	F	F	Cargill
	Varieties not tested in 2003 (Averages 1989-2002)													
	AC Bountiful	2 row		102	85	55	12.5 [2]	4.0	2.6	0.3	F	G	G	Quality Assured
	AC Oxbow	2 row		100	87	54				VG	F	G	F	SeCan
	Argyle	6 row		96	93	51				G	F	P	P	SeCan
	B1215	2 row		103	75	54				VG	F	P	F	Agricore United
	Bonanza	6 row		95	77	50				P	F	P	P	public
□	*Calder**	2 row	-1.2	90	59	54	13.1 [2]	1.7	1.4					SeCan
	CDC STRATUS	2 row		101	74	54				G	F	F	F	Quality Assured
■	CDC YORKTON	6 row		103	71	52				G	G	P	G	Agricore United
	Duel	6 row		98	89	50				G	F	P	F	Agricore United
	Excel	6 row	4.9	99	81	52	11.7 [4]	2.4	1.6	0.7	F	P	G	Agricore United
■	Foster	6 row		101	79	50				G		P		Agricore United
	Manley	2 row		104	78	53				G	F	P	F	SeCan
	Tankard	6 row		103	80	63				G	F	P	P	SeCan

Hulless Barley

Variety Descriptions

	Variety	Type	B.C. Peace Averages 2001-2003 ***%Moist. +/- of Check	2002-03 Days to Maturity	1994-2003 Height cm	Bushel Weight lbs/bu	2003 Protein %	2001-2003 Average 0-9 scale (0=nil)** Scald	Net Blotch	Resistance to Root Rot	Loose Smut	False Smut	Distributor
■	CDC McGwire	2 row	7.2	98	76	64	12.7	0.8	2.2	G	P	G	SeCan
■	Falcon	6 row	3.5	95	65	62	14.8	1.5	2.1	F	P	G	Progres./SeCan
□	*Tyto**	6 row	-1.8	97	60	61	13.3	1.6					Progressive
	Varieties not tested in 2003 (Averages 1989-2002)												
	AC Bacon	6 row	0.5	99	81	61		2	1.5	F	P	G	SeCan
■	AC Hawkeye	6 row		102	100	62				F	P	P	Agricore United
	CDC Dawn	2 row		101	81	62				F	P	P	SeCan
	CDC Freedom	2 row	-1.5	98	86	63		3.7	2.5	F	P	G	SeCan
	CDC Gainer	2 row		97	81	62				F	P	F	Quality Assured
	CDC Silky	6 row	5.5	102	76	60		1.3	1.3	F	F	F	Value Added
	*CDC Speedy**	2 row			82	64							Value Added
	HB805	2 row		100	77	61		3.7	2.6				Agricore United
	Jaeger	2 row		103	65	60				P	P	P	Progressive
■	Peregrine	6 row	-2.7	97	58	62		2.2	2.3	F	P	F	Progressive
	Phoenix	2 row		101	83	62				F	P	F	Progres./SeCan
	Tercel	6 row		99	76	62				F	P	F	Progressive

□ Protection under Plant Breeders' Rights applied for

■ Protected by Plant Breeders' Rights

(sd) semi-dwarf variety

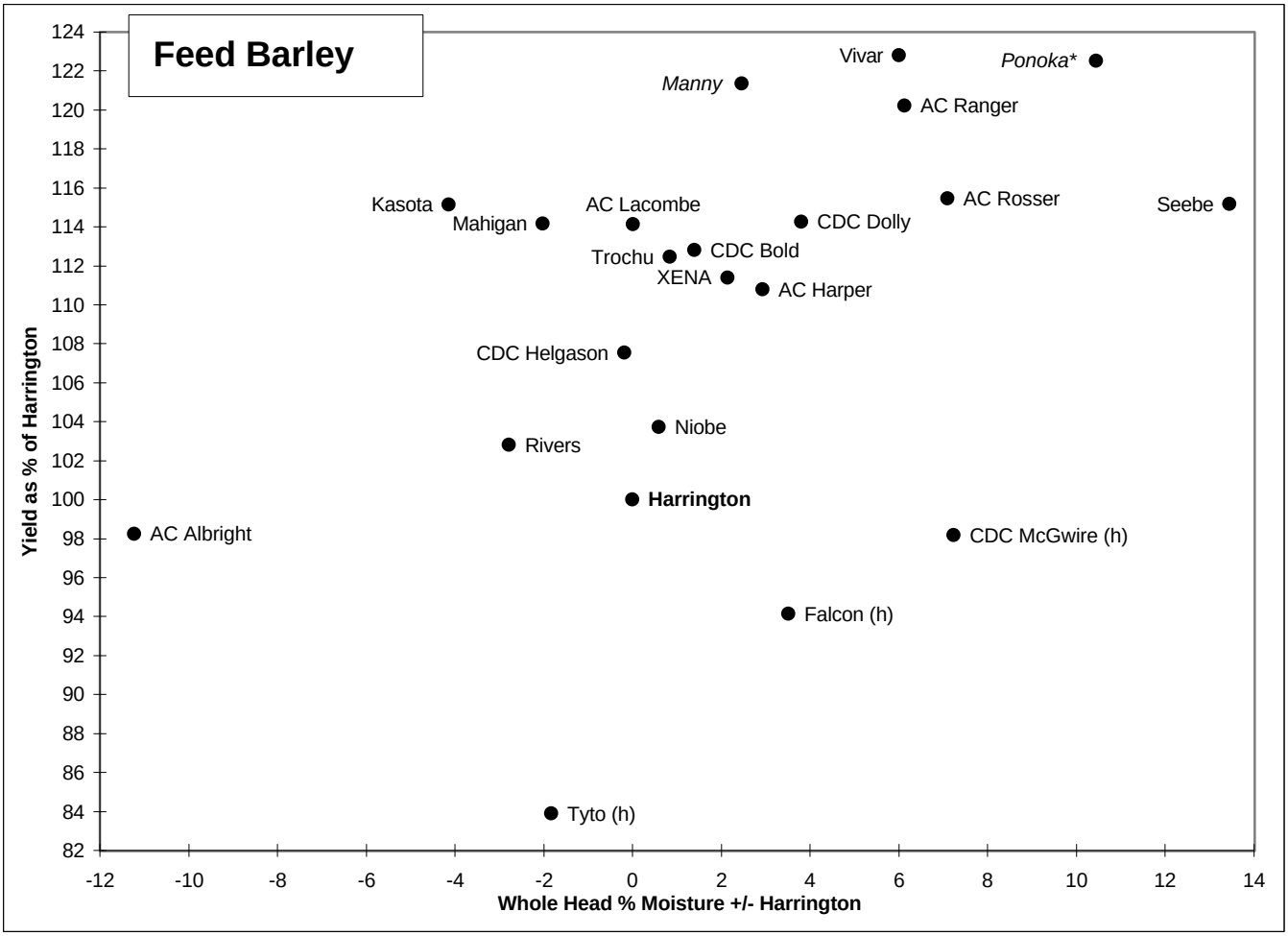
*** Whole Head %Moisture = see note bottom of page 14

EX = excellent, VG = very good, G = good

F = fair, P = poor (susceptible)

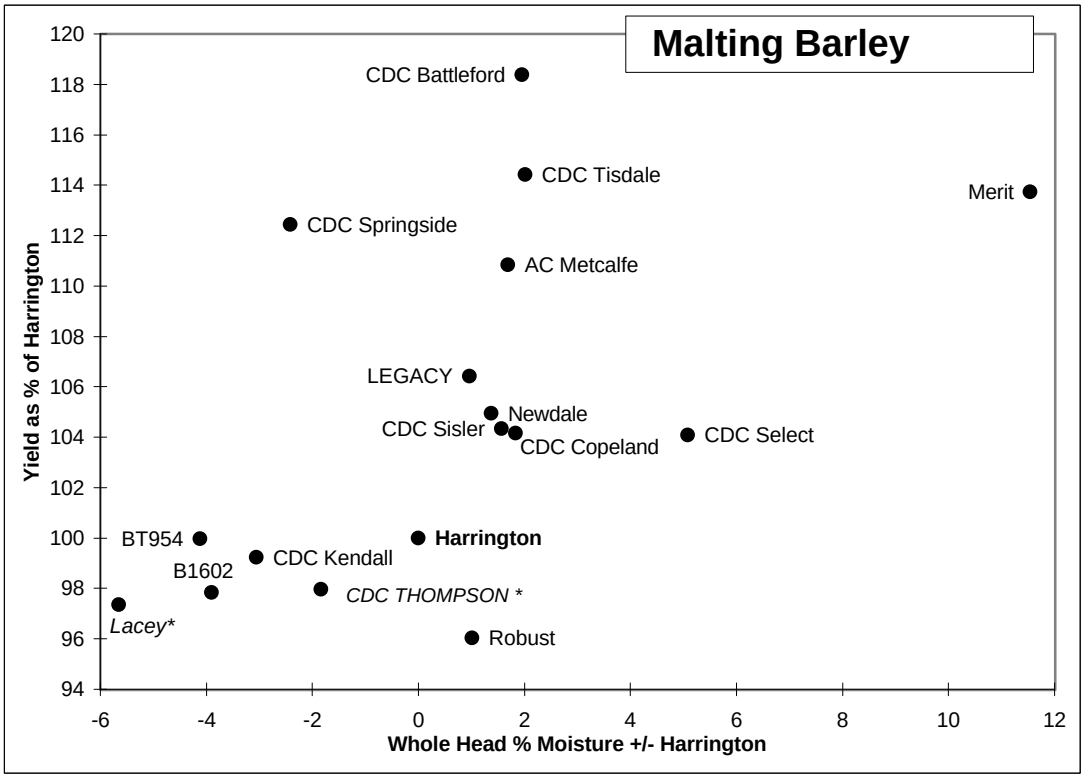
* first year tested, very limited data available

** 0 - 9 scale; 0 = none, 9 = 100% affected



(h) Hulless

* first year tested very limited data available.



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 2003 Yield bus / acre		Dawson Creek 2003 Yield % of check	Dawson Creek 1993-2003 Avg. (%)	Dawson Creek 1993-2003 Stn. Yrs.	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of check	Fort St. John 1994-2003 Avg. (%)	Fort St. John 1994-2003 Stn. Yrs.	B.C. Peace 2003 Avg. (%)	B.C. Peace 1993-2003 Avg. (%)	B.C. Peace 1993-2003 Stn. Yrs.
AC Juniper	white	134	b	99	105	[6]	172	cde	104	102	[10]	101	103	[16]
AC Morgan	white	144	ab	107	110	[4]	186	ab	113	109	[5]	110	110	[9]
AC Mustang	white	154	a	114	108	[7]	182	ab	111	107	[11]	112	107	[18]
Cascade	**yellow**	**135**	**b**	**100**	**100**	**[7]**	**165**	**e**	**100**	**100**	**[11]**	**100**	**100**	**[18]**
*CDC Baler **		145	ab	107	107	[1]	178	bc	108	108	[1]	107	107	[2]
CDC Dancer	yellow	135	b	99	93	[3]	167	de	102	97	[4]	101	95	[7]
CDC Orrin	white	156	a	115	110	[2]	190	a	115	110	[2]	115	110	[4]
Derby	white	153	a	113	100	[6]	169	de	102	98	[10]	108	99	[16]
Ronald (AC Ronald)	yellow	133	b	98	95	[3]	170	cde	103	98	[3]	101	97	[6]
LSD (P=.05) =		12.98					8.69							
CV value (%) =		6.46					3.48							

Varieties not tested in 2003 (Averages 1989-2002)	Colour	Avg. (%)	Stn. Yrs.	Last Year Tested	Avg. (%)	Stn. Yrs.
AC Assiniboia	tan	86	[4]	88 [8] (2002)	87	[12]
AC Gwen (h)	white	75	[2]	81 [3] (2002)	78	[5]
AC Belmont (h)		75	[4]	78 [8] (2000)	76	[12]
AC Ernie (h)		71	[1]	65 [2] (1999)	68	[3]
AC Medallion		116	[2]	94 [5] (2000)	105	[7]
AC Preakness		113	[4]	102 [8] (2000)	108	[12]
AC Rebel	yellow	104	[2]	93 [3] (2001)	99	[5]
Athabasca		88	[4]	92 [2] (1992)	90	[6]
Boudrais (h)	white	84	[2]	85 [2] (2002)	85	[4]
Bullion (h)	white	73	[2]	70 [3] (2001)	72	[5]
Calibre		97	[6]	105 [5] (1995)	101	[11]
CDC Boyer	yellow	100	[6]	97 [9] (2002)	98	[15]
CDC Pacer		103	[2]	100 [5] (2000)	101	[7]
Foothill		90	[4]	91 [2] (1992)	91	[6]
Grizzly		90	[4]	87 [2] (1992)	89	[6]
Jasper		105	[4]	96 [8] (2000)	101	[12]
Kaufmann	yellow	88	[2]	90 [3] (2002)	89	[5]
Pinnacle	yellow	105	[3]	99 [4] (2002)	102	[7]
Robert		95	[6]	95 [4] (1994)	95	[10]
SW EXACTOR	white	109	[3]	103 [5] (2002)	106	[8]
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. (1994-2003) Days to Maturity	***2002&03 Whole Head +/-%moist	Height cm	Bushel Weight lbs/bu	Resistance to Lodging	Shatter	Smuts	Distributor
AC Juniper	milling	107	-0.6	95	42	VG	G	I	Agricore United
AC Morgan	milling	111	3.9	92	42	VG		I	SeCan
AC Mustang	feed / forage	109	5.5	104	43	G	G	I	Agricore United
Cascade	**feed**	108	0.0	104	41	**G**	**G**	**S**	**SeCan**
*CDC Baler **	forage	109	11.5	98	41				Quality Assured
■ CDC Dancer	milling	110	-1.0	96	43	G		R	Cargill
□ CDC Orrin	milling	108	5.4	83	43				Quality Assured
Derby	milling	108	5.5	100	42	G	G	S	Agricore United
■ Ronald (AC Ronald)	milling	112	5.2	86	44	VG		R	SeCan
Varieties not tested in 2003 (Averages 1989-2002)									
■ AC Assiniboia	milling	110	4.0	97	40	G	G	F	SeCan
AC Gwen (OT 297)	hulless	123	11.6	106	47	VG		G	SeCan
AC Belmont	hulless	109		94	41	G	G	G	SeCan
AC Ernie	hulless	108		85	42	F		G	C&M Seed Sales
AC Medallion	milling	109		97	40	F		VG	Cargill
AC Preakness	milling	108		101	40	F	G	G	Agricore United
AC Rebel	milling	114		95	42	G		G	Canterra Seeds
Athabasca	feed	103		87	40	G	G	P	SeCan
■ Boudrais (OT 799)	hulless	119	11.9	104	45	VG			Quality Assured
□ Bullion	hulless	113		90	51	VG		P	Agricore United
Calibre	milling	109		100	42	F	G	P	SeCan
CDC Boyer	milling	109	4.9	103	40	G	G	P	SeCan
CDC Pacer	milling	108		93	42	F	G	F	Quality Assured
Foothill	forage	105		99	39	F	G	P	SeCan
Grizzly	feed / forage	107		90	41	F	G	P	public
Jasper	milling	105		104	42	F	G	P	SeCan
■ Kaufmann (OT 797)	milling	120	8.0	109	42	G			SeCan
■ Pinnacle	milling	115	7.7	94	41	F		G	Quality Assured
Robert		106		93	40	G	G	G	SeCan
■ SW EXACTOR	milling	112	4.2	95	40	VG		F	Quality Assured
■ Triple Crown	milling	108		92	38	VG		G	Canterra
Waldern	feed	107		106	40	G	G	P	SeCan

Cascade - check variety

EX = excellent, VG = very good, G = good, F = fair, P = poor (susceptible)

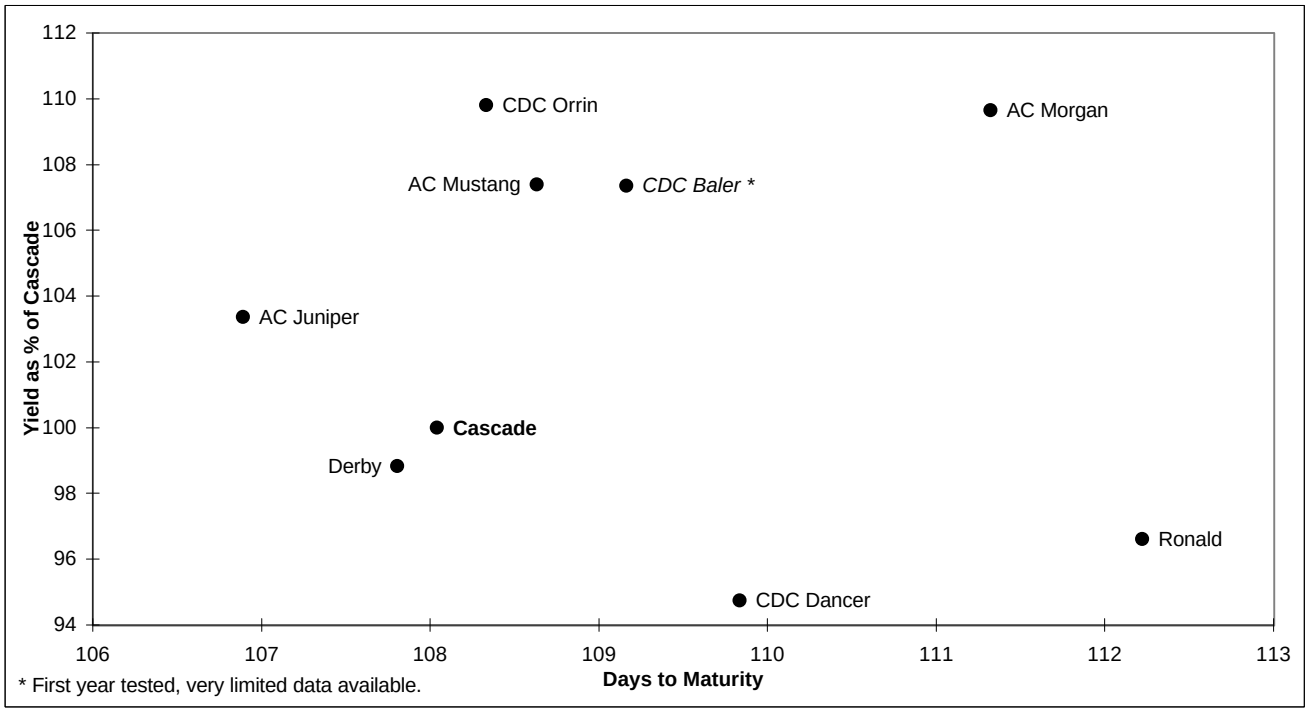
■ Protected by Plant Breeders' Rights

S = Susceptable I = Intermediate R = Resistant

□ Protection under Plant Breeders' Rights applied for

* first year tested, very limited data available

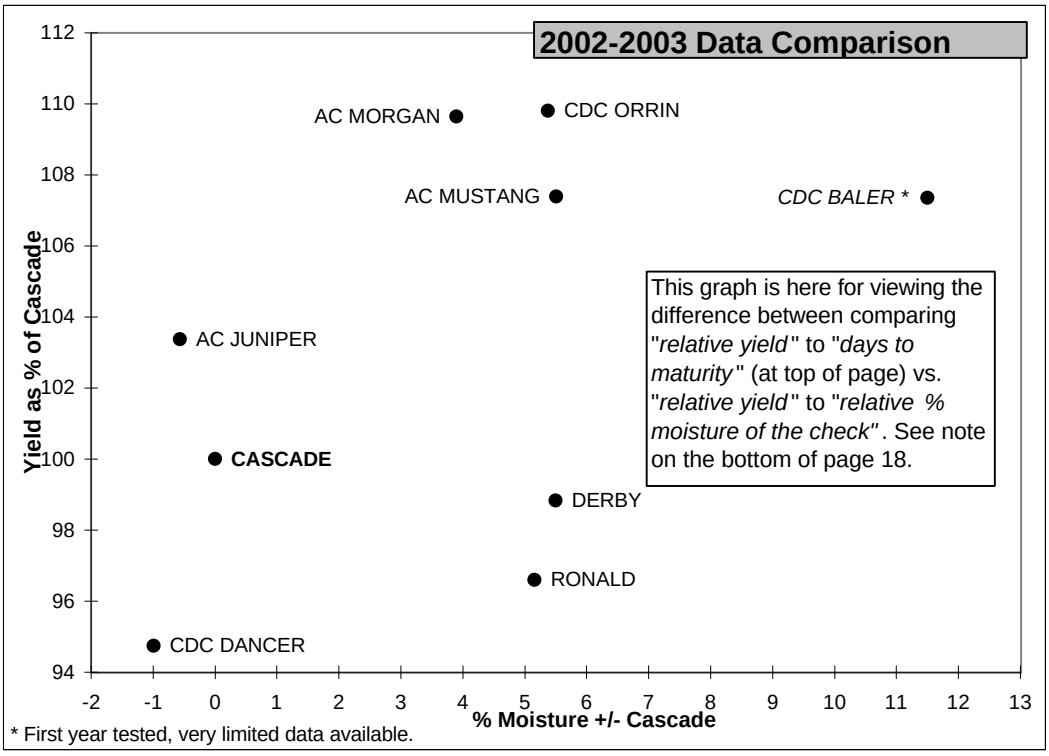
Note: ***Whole Head +/- % Moisture: These values display how much "wetter" or "drier" a given variety is as compared to the check variety at the time of head collection. Head collection occurs when the earliest lines are below 20% moisture. This was developed to accommodate a more accurate system of comparing maturity *between years*, using oat panicums (heads) in a similar fashion as they are used for barley and wheat heads (see pages 8 & 11 for wheat). The difference is oat "heads", or rather oat panicums, have a larger tissue to seed ratio than barley or wheat. This data displays comparisons as *relative to the check (+ / -)* in a similar fashion as yield data. The assumption is that everyone knows the abilities and or inabilities of the check variety for our area, and thus can derive how much later or earlier maturing a given variety is based on whole head % moisture. *Whole head % moisture* is a tangible (quantitative) measurement, not an assigned relative value (qualitative), and thus should be more accurate than maturity estimates based on visual assessments. However, according to two years worth of data collected from two stations as displayed above, the relationship between "days to" and "whole head + / - % moisture" does not necessarily co-relate, thus it is best to rely on "*days to maturity*" column for now until this is investigated further. This new column and corresponding graph are still inconclusive, **and are displayed here in this report for *interest only* at this time**.



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 percent 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 percent 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 percent 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%, fibre 49%, calcium 0.27%, and phosphorus 0.08%.

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



SPRING TRITICALE

Triticale is a genetic cross (not a hybrid) developed by crossing wheat (Triticum turgidum or Triticum aestivum) with rye (Secale cereal). All varieties of spring triticale currently available are approximately 10 days later maturing than CWRS wheats, and as such they should not be grown in the B.C. Peace River region for grain production. All three varieties entered here in this trial are earlier than other traditional spring triticale varieties, and perhaps as breeding continues earlier lines may come along that we can grow for grain here. Their grain yields are "attention grabbers", and so it is worth watching their development. Drought tolerance is the primary advantage that spring triticales have over other spring cereal crops. Spring triticales are also a valuable alternative to barley & oats forage and feed. It is for these reasons that data is included.

Spring Triticale — Yield as % of Pronghorn

Variety	Dawson Creek 2003 Yield bus / acre		Dawson Creek 2003 Yield % of check	Dawson Creek 2001-2003 Avg. (%)	Dawson Creek 2001-2003 Stn. Yrs.	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of check	Fort St. John 2001-2003 Avg. (%)	Fort St. John 2001-2003 Stn. Yrs.	B.C. Peace 2003 Avg. (%)	B.C. Peace 2001-2003 Avg. (%)	B.C. Peace 2001-2003 Stn. Yrs.
AC Alata	79	a	114	106	[2]	131	a	103	103	[2]	109	104	[4]
AC Certa	61	c	88	88	[2]	111	b	87	89	[2]	88	88	[4]
AC Ultima	67	bc	97	101	[3]	108	b	84	94	[3]	91	97	[6]
Pronghorn	**69**	**b**	**100**	**100**	**[3]**	**128**	**a**	**100**	**100**	**[3]**	**100**	**100**	**[6]**
LSD (P=.05) =	7.61					7.69							
CV value (%) =	8.24					4.36							
Varieties not tested in 2003 (Averages 2001)											Last Year Tested		
SANDRO				104	[1]				97	[1]	100 (2001)		[2]

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

* first year tested, very limited data available

Pronghorn - check variety

Spring Triticale — Variety Descriptions

Variety	Maturity (days to)	Whole Head % Moist.	Height (cm)	Bushel Weight (lbs/bus)	TKW (g / 1000)	0 - 9 scale; 0=nil Septoria complex	Ergot	Distributor
AC Alata	123	8.8	87	54	55	3.0		Progressive
AC Certa	118	1.2	98	60	45	2.3		Progressive
AC Ultima	123	-5.5	103	59	50	3.2	0.6	Quality Assured
Pronghorn	**126**	**0.0**	**106.8**	**57**	**47**	**3.1**	**0.3**	**Progressive**
Varieties not tested in 2003 (Averages 2001)								
SANDRO	148		117	58	50	1.5	3.1	Promark Seed

SOFT WHITE SPRING WHEAT

Soft White Spring Wheat — Yield as % of AC Reed and Variety Descriptions

Variety	Dawson Creek 2003 Yield bus / acre		Dawson Creek 2002** % of check	Fort St. John 2003 Yield bus / acre		Fort St. John 2003 Yield % of check	Fort St. John 2002-2003 Avg. (%)	Fort St. John 2002-2003 Stn. Yrs.	B.C. Peace 2002-2003 Averages Stn. Yrs.	Yield Avg %	Bushel Weight Days to Maturity	Bushel Weight lb/bu	Height (cm)	Distributor
AC Andrew	70.1	a	115	111	a	111	115	[2]	[3]	115	114	63	75	SeCan
AC Meena	68.3	a	115	111	a	110	115	[2]	[3]	115	115	64	75	Haney Farms
AC Rreed	**44.7**	**b**	**100**	**101**	**b**	**100**	**100**	**[2]**	**[3]**	**100**	**116**	**63**	**69**	**SeCan**
*Bhishaj (SWS-285)**	67	a		109	a	109	109	[1]	[1]	109	118	65	88	Tony Crooymans
LSD (P=.05) =	4.94			5.26										
CV value (%) =	4.94			4.83										
Varieties not tested in 2003 (Averages 2002)														
AC Nanda*			106			105			[2]	106	112	62	70	Quality Assured
AC Phil*			108			100			[2]	104	104	62	63	Proven Seeds

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

* first year tested, very limited data available

**DC yield data is not included in long term average due to poor germination of check variety

AC Reed - check variety