

# Cereal and Flax Breeding Institutions and Seed Distributors

New for 2018 we are pleased offer readers a quick reference tool to look up cereal varieties by class, their breeding institutions and distributor information

## DISTRIBUTOR CONTACT INFORMATION

Alliance Seed.....	1-877-270-2890 / allianceseed.com
CANTERRA SEEDS .....	204-988-9750 / canterra.com
Crop Development Centre – University of Saskatchewan .....	306-966-5855 / agbio.usask.ca/research/centres-and-facilities/crop-development-centre.php
Field Crop Development Centre Lacombe .....	403-782-8033 / www1.agric.gov.ab.ca/\$department/deptdocs.nsf/all/fcd5615
FP Genetics .....	1-877-791-1045 / fpgenetics.ca
Haney Farms .....	403-738-4517 / haneyfarms.com
La Coop Federee.....	(514) 384-6450 / lacoop.coop
Lefsrud Seed .....	780-336-2500 / telusplanet.net/public/lefsrud/
Mastin Seeds.....	403-556-2609 / mastinseeds.com
Progressive Seeds Ltd. ....	403-347-4925
Proven Seed/CPS Canada Inc. ....	1-888-569-9444 / provenseed.ca
Richardson International .....	1-866-217-6211 / richardson.ca
SeCan .....	1-800-764-5487 / secan.com
Seed Depot .....	204-825-2000 / seeddepot.ca
SeedNet Inc.....	403-715-9771 / seednet.ca
Syngenta Canada .....	1-877-964-3682 / syngenta.ca

## BREEDING INSTITUTIONS AND SEED DISTRIBUTORS OF VARIETIES LISTED IN THIS PUBLICATION

Variety	Breeding Institution	Distributor
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### FEED and FOOD BARLEY

#### Two-Row

Altorado	Highland Specialty Grains	Proven Seed/CPS Canada Inc.
Brahma	Westbred, LLC.	Proven Seed/CPS Canada Inc.
Busby	FCDC (Lacombe)	Mastin Seeds
Canmore	FCDC (Lacombe)	CANTERRA SEEDS
CDC Austenson	U of S - CDC	SeCan Members
CDC Coalition	U of S - CDC	CANTERRA SEEDS
CDC Cowboy	U of S - CDC	SeCan Members
CDC Maverick	U of S - CDC	SeCan Members
CDC Trey	U of S - CDC	FP Genetics
Champion	Westbred, LLC.	Proven Seed/CPS Canada Inc.
Claymore	Highland Specialty Grains	Proven Seed/CPS Canada Inc.
CONLON	NDSU	Seed Depot
Gadsby	FCDC (Lacombe)	SeCan Members
Oreana	Highland Specialty Grains	Proven Seed/CPS Canada Inc.
Ponoka	FCDC (Lacombe)	SeCan Members
Seebe	FCDC (Lacombe)	SeCan Members
XENA	Westbred, LLC.	Proven Seed/CPS Canada Inc.

#### Six-Row

AC Harper	AAFC (Lethbridge)	SeCan Members
AC Ranger	AAFC (Brandon)	FP Genetics
AC Rosser	AAFC (Brandon)	SeCan Members
Amisk	FCDC (Lacombe)	SeCan Members
Chigwell	FCDC (Lacombe)	SeCan Members
Muskwa	FCDC (Lacombe)	SeedNet Inc.
Sundre	FCDC (Lacombe)	Mastin Seeds
Trochu	FCDC (Lacombe)	SeCan Members

### HULLESS - FOOD and FEED BARLEY

CDC Ascent	U of S - CDC	SeCan Members
CDC Carter	U of S - CDC	SeCan Members
CDC McGwire	U of S - CDC	SeCan Members

Falcon	FCDC (Lacombe)	Progressive Seeds Ltd
Tyto	FCDC (Lacombe)	Progressive Seeds Ltd

### MALTING BARLEY

#### Two-Row

AAC Connect	AAFC (Brandon)	CANTERRA SEEDS
AAC Synergy	AAFC (Brandon)	Syngenta Canada
AC Metcalfe	AAFC (Brandon)	SeCan Members
Bentley	FCDC (Lacombe)	CANTERRA SEEDS
CDC Bow	U of S - CDC	SeCan Members
CDC Clear (hullless)	U of S - CDC	SeCan Members
CDC Copeland	U of S - CDC	SeCan Members
CDC Fraser	U of S - CDC	SeCan Members
CDC Kindersley	U of S - CDC	SeCan Members
CDC Meredith	U of S - CDC	SeCan Members
CDC PlatinumStar	U of S - CDC/Sapporo/PML	CANTERRA SEEDS
CDC PolarStar	U of S - CDC/Sapporo/PML	CANTERRA SEEDS
Cerveza	AAFC (Brandon)	Mastin Seeds
Harrington	U of S - CDC	SeCan Members
Low	FCDC (Lacombe)	SeCan Members
Major	AAFC (Brandon)	Alliance Seed
Merit 57	Busch Ag Res. Inc.	CANTERRA SEEDS
Newdale	AAFC (Brandon)	FP Genetics
Sirish	Syngenta AG	Syngenta Canada
TR13606	FCDC (Lacombe)	FCDC (Lacombe)

#### Six-Row

Legacy	Busch Ag Res. Inc.	Proven Seed/FP Genetics
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### OAT

#### Milling

AAC Justice	AAFC (Winnipeg)	FP Genetics
AC Juniper	AAFC (Lacombe)	Mastin Seeds
AC Morgan	AAFC (Lacombe)	SeCan Members
Akina	Lantmannen SW Seed	La Coop Fédérée
Bradley	AAFC - ECORC	SeCan Members

CDC Boyer	U of S - CDC	SeCan Members
CDC Dancer	U of S - CDC	FP Genetics/Cargill
CDC Minstrel	U of S - CDC	FP Genetics
CDC Norseman	U of S - CDC	SeCan Members
CDC Orrin	U of S - CDC	FP Genetics/Cargill
CDC Ruffian	U of S - CDC	FP Genetics
CDC Seabiscuit	U of S - CDC	CANTERRA SEEDS
CDC Weaver	U of S - CDC	FP Genetics
CS Camden	Lantmannen SW Seed	CANTERRA SEEDS
Derby	U of S - CDC	Proven Seed/Mastin Seeds
Jordan	AAFC - ECORC	SeCan Members
Kara	Lantmannen SW Seed	La Coop Fédérée
Kyron	Lantmannen SW Seed	La Coop Fédérée
Pomona	University of Minnesota	La Coop Fédérée
Souris	NDSU	Seed Depot
Stride	AAFC (Winnipeg)	SeCan Members
Triactor	Lantmannen SW Seed	CANTERRA SEEDS

### Feed

AC Mustang	AAFC (Lacombe)	Mastin Seeds
CDC Nasser	U of S - CDC	T & L Seeds
Lu	AAFC (Lacombe)	SeCan Members

### Forage

CDC Baler	U of S - CDC	FP Genetics
CDC Haymaker	U of S - CDC	SeCan Members
Murphy	AAFC (Lacombe)	SeCan Members

### FALL RYE

Bono	KWS Lochow GMBH	FP Genetics
Brasetto	KWS Lochow GMBH	FP Genetics
Daniello	KWS Lochow GMBH	SeedNet Inc.
Gatano	KWS Lochow GMBH	FP Genetics
Guttino	KWS Lochow GMBH	SeedNet Inc.
Hazlet	AAFC (Swift Current)	SeCan Members
Prima	AAFC (Swift Current)	SeCan Members

### TRITICALE

AAC Delight	AAFC (Lethbridge)	Fabian Seeds Ltd.
AC Ultima	AAFC (Swift Current)	FP Genetics
Bumper	AAFC (Swift Current)	SeCan Members
Bunker	FCDC (Lacombe)	FP Genetics
Pronghorn	FCDC (Lacombe)	Progressive Seeds
Sunray	AAFC (Lethbridge)	SeedNet Inc.
Taza	FCDC (Lacombe)	Solick Seeds
Tyndal	FCDC (Lacombe)	SeCan Members

### FLAX

AAC Bravo	AAFC (Morden)	FP Genetics
CDC Bethune	U of S - CDC	SeCan Members
CDC Glas	U of S - CDC	SeCan Members
CDC Neela	U of S - CDC	CANTERRA SEEDS
CDC Plava	U of S - CDC	SeCan Members
CDC Sanctuary	U of S - CDC	SeCan Members
CDC Sorrel	U of S - CDC	SeCan Members
Hanley	AAFC (Morden)	SeCan Members
Prairie Grande	AAFC (Morden)	SeCan Members
Prairie Sapphire	AAFC (Morden)	Alliance Seed
Prairie Thunder	AAFC (Morden)	CANTERRA SEEDS
Taurus	Limagrain Netherlands	FP Genetics
Topaz	CPS Canada Inc.	Alliance Seed
VT50	CPS Canada Inc.	Proven Seed/CPS Canada Inc.
WestLin 60	CPS Canada Inc.	Proven Seed/CPS Canada Inc.
WestLin 61	CPS Canada Inc.	Proven Seed/CPS Canada Inc.
WestLin 71	CPS Canada Inc.	Proven Seed/CPS Canada Inc.
WestLin 72	CPS Canada Inc.	Proven Seed/CPS Canada Inc.

### CANADA WESTERN AMBER DURUM

AAC Cabri	AAFC (Swift Current)	SeCan Members
AAC Congress	AAFC (Swift Current)	CANTERRA SEEDS
AAC Current	AAFC (Swift Current)	Alliance Seed.

AAC Durafield	AAFC (Swift Current)	SeCan Members
AAC Marchwell VB	AAFC (Swift Current)	SeCan Members
AAC Raymore	AAFC (Swift Current)	SeCan Members
AAC Spitfire	AAFC (Swift Current)	SeCan Members
AAC Navigator	AAFC (Swift Current)	Proven Seed/CPS Canada Inc.
Brigade	AAFC (Swift Current)	Proven Seed/CPS Canada Inc.
CDC Alloy	U of S - CDC	FP Genetics
CDC Carbide VB	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Desire	U of S - CDC	Syngenta Canada
CDC Dynamic	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Fortitude	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Verona	U of S - CDC	Alliance Seed.
CDC Vivid	U of S - CDC	Proven Seed/CPS Canada Inc.
Enterprise	AAFC (Swift Current)	CANTERRA SEEDS
Strongfield	AAFC (Swift Current)	SeCan Members
Transcend	AAFC (Swift Current)	FP Genetics

### CANADA WESTERN RED SPRING

5604HR CL	Syngenta Seeds Canada Inc.	Proven Seed/CPS Canada Inc.
5605HR CL	Syngenta Seeds Canada Inc.	Proven Seed/CPS Canada Inc.
AAC Bailey	AAFC (Swift Current)	CANTERRA SEEDS
AAC Brandon	AAFC (Swift Current)	SeCan Members
AAC Cameron VB	AAFC (Brandon)	CANTERRA SEEDS
AAC Connery	AAFC (Swift Current)	CANTERRA SEEDS
AAC Elie	AAFC (Swift Current)	Alliance Seed
AAC Pervail VB	AAFC (Winnipeg)	Alliance Seed
AAC Redberry	AAFC (Swift Current)	Alliance Seed
AAC Redwater	AAFC (Winnipeg)	SeCan Members
AAC Tisdale	AAFC (Swift Current)	SeCan Members
AAC Viewfield	AAFC (Swift Current)	FP Genetics
AC Barrie	AAFC (Swift Current)	SeCan Members
AC Intrepid	AAFC (Swift Current)	CANTERRA SEEDS
AC Splendor	AAFC (Winnipeg)	SeCan Members
Carberry	AAFC (Swift Current)	SeCan Members
Cardale	AAFC (Winnipeg)	Seed Depot
Coleman	U of Alberta	Lefsrud Seed
CDC Adamant VB	U of S - CDC	FP Genetics
CDC Abound	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Bradwell	U of S - CDC	SeCan Members
CDC Go	U of S - CDC	Public release U of S - CDC
CDC Hughes VB	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Landmark VB	U of S - CDC	FP Genetics
CDC Plentiful	U of S - CDC	FP Genetics
CDC Stanley	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Titanium VB	U of S - CDC	Proven Seed/CPS Canada Inc.
CDC Utmost VB	U of S - CDC	FP Genetics
CDC VR Morris	U of S - CDC	Proven Seed/CPS Canada Inc.
Glenn	NDSU	CANTERRA SEEDS
Go Early	U of Alberta	Mastin Seeds
Goodeve VB	AAFC (Swift Current)	Alliance Seed
Muchmore	AAFC (Swift Current)	FP Genetics
Peace	AAFC (Winnipeg)	CANTERRA SEEDS
Shaw VB	AAFC (Winnipeg)	SeCan Members
Stettler	AAFC (Swift Current)	SeCan Members
Superb	AAFC (Winnipeg)	SeCan Members
SY433	Syngenta Seeds Canada Inc.	Syngenta Canada
SY479 VB	Syngenta Seeds Canada Inc.	Alliance Seed
SY Slate	Syngenta Seeds Canada Inc.	Syngenta Canada
SY Sovite	Syngenta Seeds Canada Inc.	Syngenta Canada
Thorsby	U of Alberta	CANTERRA SEEDS
Vesper VB	AAFC (Winnipeg)	SeCan Members
WR859CL	Syngenta Seeds Canada Inc.	Richardson Intl

### CANADA WESTERN HARD WHITE SPRING

AAC Iceberg	AAFC (Winnipeg)	Alliance Seed
CDC Whitewood	U of S - CDC	SeCan Members
Snowbird	AAFC (Winnipeg)	FP Genetics
Snowstar	AAFC (Winnipeg)	SeCan Members
Whitehawk	AAFC (Winnipeg)	SeCan Members

### CANADA PRAIRIE SPRING RED

5700PR	Syngenta Seeds Canada Inc.	Proven Seed/CPS Canada Inc.
AAC Crossfield	AAFC (Winnipeg)	CANTERRA SEEDS
AAC Crusader	AAFC (Winnipeg)	CANTERRA SEEDS
AAC Entice	AAFC (Winnipeg)	Proven Seed/CPS Canada Inc.
AAC Foray VB	AAFC (Winnipeg)	SeCan Members
AAC Goodwin	AAFC (Swift Current)	SeCan Members
AAC Penhold	AAFC (Swift Current)	SeCan Members
AAC Ryley	AAFC (Swift Current)	SeCan Members
AAC Tenacious VB	AAFC (Winnipeg)	Alliance Seed
AC Crystal	AAFC (Swift Current)	SeCan Members
CDC Terrain	U of S - CDC	FP Genetics
SY985	Syngenta Seeds Canada Inc.	Proven Seed / Richardson Intl
SY995	Syngenta Seeds Canada Inc.	Syngenta Seeds Canada Inc.
SY Rowyn	Syngenta Seeds Canada Inc.	Alliance Seed

### CANADA WESTERN SPECIAL PURPOSE

AAC Awesome VB	AAFC (Lethbridge)	SeCan Members
AAC Innova	AAFC (Lethbridge)	Alliance Seed
AAC NRG097	AAFC (Swift Current)	CANTERRA SEEDS
Alderon	KWS-UK	SeCan Members
CDC NRG003	U of S - CDC	CANTERRA SEEDS
Charing VB	KWS-UK	SeCan Members
Pasteur	Wiersum Plant Breeding	SeCan Members
Sparrow VB	KWS-UK	SeCan Members
SY087	Syngenta Seeds Canada Inc.	Syngenta Canada

### CANADA WESTERN SOFT WHITE SPRING

AAC Chiffon VB	AAFC (Lethbridge)	SeedNet Inc.
AAC Indus VB	AAFC (Lethbridge)	SeCan Members
AC Andrew	AAFC (Lethbridge)	SeCan Members
AC Meena	AAFC (Lethbridge)	Haney Farms
Sadash VB	AAFC (Lethbridge)	SeCan Members

### CANADA NORTHERN HARD RED

AAC Concord	AAFC (Swift Current)	CANTERRA SEEDS
AC Foremost	AAFC (Swift Current)	SeCan Members
Conquer VB	AAFC (Winnipeg)	CANTERRA SEEDS
Elgin ND	NDSU	FP Genetics
Harvest	AAFC (Winnipeg)	FP Genetics
Lillian	AAFC (Swift Current)	SeCan Members
Unity VB	AAFC (Winnipeg)	SeCan Members

### CANADA WESTERN RED WINTER

AAC Elevate	AAFC (Lethbridge)	SeCan Members
AAC Gateway	AAFC (Lethbridge)	Seed Depot
AAC Goldrush	AAFC (Lethbridge)	FP Genetics
AAC Wildfire	AAFC (Lethbridge)	SeCan Members
AC Tempest	AAFC (Lethbridge)	SeCan Members
CDC Buteo	U of S - CDC	SeCan Members
CDC Chase	U of S - CDC	CANTERRA SEEDS
Emerson	AAFC (Lethbridge)	CANTERRA SEEDS
Flourish	AAFC (Lethbridge)	SeCan Members
Moats	U of S - CDC	SeCan Members

### CANADA WESTERN EXPERIMENTAL WINTER WHEAT

AAC Icefield	AAFC (Lethbridge)	FP Genetics
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### CANADA WESTERN SPECIAL PURPOSE WINTER WHEAT

Pintail	FCDC (Lacombe)	Mastin Seeds
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# FEED AND FOOD BARLEY

Variety	2 or 6 row	Awn Type	Overall Station Years of Testing	Overall Yield	Yield Category (% AC Metcalfe):				Agronomic Characteristics:					Disease Tolerance:						
					Low < 75 (bu/ac)	Medium 75 - 100 (bu/ac)	High 100 - 125 (bu/ac)	V. High > 125 (bu/ac)	Mat. Rating	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resis. to Ldg	Loose Smut	Other Smuts	Root Rot	Scald	Net Blotch:		
					Spot form	Net form	FHB													

**GENERAL PURPOSE**

Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)

AC Metcalfe (bu/ac)	100	59	88	110	137															
<b>AC Metcalfe</b>	<b>2</b>	<b>R</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>52</b>	<b>46</b>	<b>79</b>	<b>F</b>	<b>R</b>	<b>I</b>	<b>I</b>	<b>S</b>	<b>I</b>	<b>S</b>	<b>I</b>
Altorado ☺	2	R	39	112+	XX	117	109+	114+	M	52	48	74	G	MR	MR	MR	S	MR	S	I
CDC Austenson ☺	2	R	77	112+	110	112+	110+	115+	L	53	47	78	G	S	R	I	S	R	MS	I
Champion ☺	2	R	178	112+	120+	111+	111+	111+	M	53	49	76	G	S	R	MR	S	I	S	I
Claymore ☺	2	R	54	113+	106	113+	110+	118+	L	51	47	77	G	S	R	I	S	I	S	I
Oreana ☺	2	R	54	111+	105	108+	115+	114+	L	53	50	66	VG	S	R	I	S	MR	S	S

Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)

Brahma ☺	2	R	87	111+	112+	109+	113+	111+	M	53	47	74	G	MS	R	MR	S	I	I	I
Busby ☺	2	R	45	104+	107	103	106	103	M	53	49	78	G	S	MR	S	I	MR	MS	I
CDC Coalition ☺	2	R	57	110+	107	112+	108+	109+	L	53	47	74	G	R	R	I	S	MR	S	I
CDC Cowboy ☺	2	R	75	95-	107	94-	93-	96-	L	52	55	103	F	MS	MR	I	MS	MR	I	MR
CDC Maverick ☺	2	S	43	95-	XX	90-	97	96	M	54	55	98	F	S	R	I	MS	MR	I	MR
CDC Trey	2	R	106	103+	101	105+	101	105+	M	52	50	80	G	MS	R	MR	MS	R	I	I
Canmore ☺	2	R	40	107+	XX	104	111+	108+	M	52	49	73	G	R	R	I	MR	MR	MS	I
CONLON ☺	2	S	63	94-	97	93-	93-	96-	VE	52	52	80	G	I	I	MR	S	MR	I	MR
Gadsby ☺	2	R	45	112+	XX	114+	114+	108+	M	53	51	83	F	R	R	I	R	MR	MS	I
Ponoka † ☺	2	R	120	108+	101	107+	110+	109+	L	51	46	80	G	R	R	I	MR	MR	MS	I
Seebe †	2	R	229	101	97	100	102	100	VL	52	50	86	G	S	R	I	MR	MS	S	MR
XENA †	2	R	271	112+	111+	109+	114+	112+	M	52	49	77	G	MS	MS	MR	S	I	S	MR
AC Harper †	6	SS	166	103+	95	96-	102	111+	M	48	40	80	G	MS	I	I	I	I	I	MS
AC Ranger	6	S	48	107+	101	99	118+	107+	L	49	43	74	F	MS	I	MR	MS	MR	I	S
AC Rosser †	6	S	166	108+	101	102	109+	113+	M	48	41	82	G	MS	R	MR	S	MR	I	S
Amisk ☺	6	SS	40	105+	XX	105	104	108+	M	49	46	69	VG	S	MS	MS	I	MR	I	S
Chigwell ☺	6	S	43	104	XX	98	106	111+	M	49	41	76	G	MS	MR	MS	MR	MR	I	S
Muskwa † ☺	6	S	44	105+	XX	103	105	110+	M	50	42	73	G	MS	R	MS	MR	MR	MS	S
Sundre ☺	6	S	72	110+	100	105	112+	117+	L	51	43	86	G	MS	R	MS	R	I	MS	S
Trochu ☺	6	S	136	107+	101	102	109+	112+	M	49	41	78	G	MS	MR	MR	I	MR	S	I
Vivar ☺	6	R	175	109+	97	105+	109+	115+	M	49	44	73	VG	I	R	MR	I	MR	R	S

**HULLESS**

Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)

CDC Ascent ▲	2	R	27	95-	XX	102	92	94-	M	60	44	81	G	MR	MR	I	MS	MR	S	MR
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Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)

CDC Carter †	2	R	45	97-	97	99	94-	XX	M	62	39	77	VG	R	R	S	MS	MR	I	I
CDC McGwire † ☺	2	R	107	93-	88-	93-	99	XX	M	61	39	80	VG	MS	MR	MR	I	MR	I	MR
Falcon	6	S	181	83-	72-	83-	91-	89	E	58	35	68	VG	MS	MR	I	I	I	I	S
Tyto †	6	S	72	81-	79-	84-	96	96	M	55	40	73	VG	S	R	I	MS	I	S	MS

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. The long-term average maturity for AC Metcalfe is 95 days and is rated as Medium (M). Varieties rated Intermediate (I) to Susceptible (S) for smuts should be treated with a systemic seed treatment to reduce the potential for infection. Hullless varieties leave the hull in the field and thus grain yields comparable to hulled varieties are 9-12% lower. Handling of hullless varieties should be minimized to avoid seed damage. CDC Carter, CDC McGwire, Falcon and Tyto are normal starch barleys suitable for food use. New registrations: CDC Ascent (HB13324). † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☺ = Protected by the 1978 Act of the UPOV Convention. ☹ = Protected by the 1991 Act of the UPOV Convention.

# MALTING BARLEY

Variety	2 or 6 row	Awn Type	Overall Station Years of Testing	Overall Yield	Yield Category (% AC Metcalfe):				Agronomic Characteristics:				
					Low < 75 (bu/ac)	Medium 75 - 100 (bu/ac)	High 100 - 125 (bu/ac)	V. High > 125 (bu/ac)	Maturity Rating	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)</b>													
<b>AC Metcalfe (bu/ac)</b>				<b>100</b>	<b>59</b>	<b>88</b>	<b>110</b>	<b>137</b>					
<b>AC Metcalfe</b>	<b>2</b>	<b>R</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>52</b>	<b>46</b>	<b>79</b>	<b>F</b>
AAC Connect ▲	2	R	27	103+	XX	XX	106	104+	M	50	49	77	G
AAC Synergy ☉	2	R	54	114+	121+	112+	114+	113+	M	51	48	76	F
CDC Fraser▲	2	R	39	109+	XX	114	110+	108+	M	51	49	76	G
Lowe ▲	2	R	27	110+	XX	XX	115+	105+	L	51	48	84	F
Sirish ▲	2	R	27	111+	XX	XX	108	114+	M	51	48	67	G
TR13606 ▲	2	R	27	109+	XX	XX	107	109+	M	51	46	79	G

<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)</b>													
Bentley ☉	2	R	77	105+	109	102	105+	106+	M	52	47	81	G
CDC Bow	2	R	42	104+	XX	106	105	104	M	51	48	77	VG
CDC Clear (hullless) ☉	2	R	43	95-	XX	92-	100	XX	L	62	47	85	G
CDC Copeland ☉	2	R	137	103+	96	101	106+	104+	M	51	47	81	F
CDC Kindersley ☉	2	R	47	104+	XX	102	104	104+	E	53	43	78	G
CDC Meredith ☉	2	R	65	107+	102	108+	108+	107+	L	51	46	76	F
CDC PlatinumStar ▲	2	R	42	106+	XX	108	107+	102	M	53	49	82	F
CDC PolarStar ☉	2	R	43	101	XX	103	105+	97	M	52	44	79	G
Cerveza ☉	2	R	49	109+	XX	109+	108+	109+	M	51	46	74	F
Harrington †	2	R	284	93-	96-	94-	93-	91-	M	51	44	78	F
Major ☉	2	R	72	107+	104	108+	107+	106+	M	51	45	73	G
Merit 57 † ☉	2	R	87	109+	110+	108+	109+	111+	VL	51	44	79	F
Newdale	2	R	94	105+	106	104+	105+	106+	M	52	46	73	F
LEGACY	6	SS	122	99	93	95-	102	103	M	49	39	82	G
Tradition † ☉	6	SS	121	98	90-	95-	101	103	E	50	40	81	G

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. The long-term average maturity for AC Metcalfe is 95 days and is rated as Medium (M). Varieties rated Intermediate (I) to Susceptible (S) for smuts should be treated with a systemic seed treatment to reduce the potential for infection. The Canadian Malting Barley Technical Centre (CMBTC) evaluates and recommends malting barley varieties for industry acceptance. Please refer to the 2017-2018 CMBTC Recommended Malt Barley Variety List for more information. CDC Clear is a hullless malting variety. New registrations: AAC Connect (TR12225), CDC GoldStar (TR13812), Lowe (TR13609), Sirish (TR14928). † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention.

# MALTING BARLEY — CONT.

Variety	Disease Tolerance:						
	Loose Smut	Other Smuts	Root Rot	Scald	Net Blotch:		Fusarium Head Blight
					Spot form	Net form	
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)</b>							
<b>AC Metcalfe (bu/ac)</b>							
<b>AC Metcalfe</b>	<b>R</b>	<b>I</b>	<b>I</b>	<b>S</b>	<b>I</b>	<b>S</b>	<b>I</b>
AAC Connect ▲	S	R	MS	S	MR	I	MR
AAC Synergy ☼	S	I	I	S	R	MR	MS
CDC Fraser ▲	R	MR	MS	MS	MR	MR	MR
Lowe ▲	R	R	XX	MR	MR	I	MR
Sirish ▲	S	R	XX	MR	MS	MS	MS
TR13606 ▲	R	R	XX	MS	MR	I	I
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Metcalfe)</b>							
Bentley ☼	MS	MR	MR	S	R	MS	MS
CDC Bow	S	I	MS	MS	MR	S	MS
CDC Clear (hullless) ☼	R	R	I	S	R	MS	MR
CDC Copeland ☼	MS	I	I	S	I	I	I
CDC Kindersley ☼	S	R	I	S	MR	MS	I
CDC Meredith ☼	R	MR	MR	S	R	S	I
CDC PlatinumStar ▲	R	R	S	S	MR	I	MR
CDC PolarStar ☼	S	R	MS	S	MR	S	MR
Cerveza ☼	R	R	I	S	MR	MS	I
Harrington †	MS	MS	I	S	MS	S	MR
Major ☼	R	MR	I	MS	MR	I	I
Merit 57 † ☼	MS	S	I	MS	MR	MS	MS
Newdale	S	MR	MR	MS	MR	I	I
LEGACY	I	MR	MR	S	MR	S	MS
Tradition † ☼	S	MR	MR	S	I	S	S

## Alberta and British Columbia Pedigreed Seed Growers Directory of Varieties Produced in 2017

Grower listings were prepared by the Canadian Seed Growers' Association for varieties eligible for sale in Canada and crops issued certificates at the time of publication. Breeding institution and distributor listings were prepared by the publisher. PBR status is noted following the variety. CSGA assumes no responsibility for errors or omissions in any listings. Pedigreed class code is listed after the grower's phone number. S=Select; F=Foundation; R=Registered; C=Certified. BI=Breeding Institution; Dist.=Canadian Distributor(s). Varieties with a star after the pedigreed class code are carryover seed.

# OAT

Variety	Overall Station Years of Testing	Yield Category (% CDC Dancer):					Agronomic Characteristics:					
		Overall Yield	Low < 70 (bu/ac)	Medium 70 - 100 (bu/ac)	High 100 - 130 (bu/ac)	V. High > 130 (bu/ac)	Mat. Rating	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Tolerance to Smuts
<b>MILLING</b>												
Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to CDC Dancer)												
<b>CDC Dancer (bu/ac)</b>	<b>96</b>	<b>49</b>	<b>84</b>	<b>111</b>	<b>148</b>							
<b>CDC Dancer ☼</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>E</b>	<b>41</b>	<b>37</b>	<b>95</b>	<b>G</b>	<b>R</b>	
AC Morgan	73	113+	113+	110+	114+	115+	M	40	41	91	VG	I
Akina ☼	30	109+	XX	103	114+	111+	M	40	39	90	VG	R
CDC Ruffian ☼	38	110+	108	109	116+	108	M	40	39	93	G	R
Kara ☼	20	108	XX	101	112	110	M	41	41	95	VG	MR
Kyron ▲	20	115+	XX	108	121+	117+	M	41	40	98	VG	XX
Pomona ▲	20	104	XX	101	103	107	M	42	39	104	G	XX
Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to CDC Dancer)												
AAC Justice ☼	28	104	XX	99	109+	XX	M	42	36	91	G	R
AC Juniper	80	104+	102	104	106+	105+	E	41	38	94	VG	I
Bradley † ☼	31	104+	XX	103	108	106	M	39	39	92	VG	R
CDC Boyer †	89	102	103	102	100	105	M	39	42	101	G	MS
CDC Minstrel ☼	61	104+	103	103	105	105+	M	39	38	88	VG	R
CDC Norseman ☼	27	101	XX	100	101	XX	E	41	38	94	G	MS
CDC Orrin ☼	52	109+	113+	107+	107+	XX	M	41	40	84	G	R
CDC Seabiscuit ☼	30	111+	124	106	108	108	M	39	41	101	G	MR
CDC Weaver †	44	104	108+	103	100	100	M	40	43	91	F	R
CS Camden ☼	27	109+	XX	109+	106	XX	L	41	39	90	G	I
Derby	79	101	103	102	96-	105	L	41	39	103	G	MS
Jordan † ☼	36	112+	112+	109+	117+	XX	VL	38	44	87	G	R
Souris † ☼	28	110+	120+	103	111	XX	M	41	34	91	VG	R
Stride ☼	30	104+	101	102	107	106	M	42	35	104	G	R
Triactor ☼	47	110+	109	108+	114+	110+	M	38	38	89	G	R
<b>FEED</b>												
Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to CDC Dancer)												
AC Mustang *	108	114+	118+	112+	110+	116+	L	42	37	103	G	I
CDC Nasser	31	116+	132	107	115+	110	L	39	36	98	G	MR
Lu *†	58	100	99	98	99	108	VE	41	39	85	G	R
<b>FORAGE</b>												
Previously tested varieties (Yield and agronomic data only directly comparable to CDC Dancer)												
CDC Baler *	42	99	96	106	96	XX	L	40	43	99	XX	S
CDC Haymaker	28	104	XX	103	105	XX	L	39	40	100	F	MR
Murphy ☼ *	51	95-	93	96	97	94	M	39	36	108	XX	S

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. The long-term average maturity for CDC Dancer is 98 days and rated as Early (E). Varieties rated Intermediate (I) to Susceptible (S) for the smuts should be treated with a systemic seed treatment to reduce the potential for infection. New registrations: Kara (CFA1102), Kyron (CFA1207), ORe3541M (OT6008), ORe3542M (OT6009), OT3085 and Pomona (CFA1220). Insufficient data to describe: ORe3541M (OT6008), ORe3542M (OT6009) and OT3085. \* Yield figures based on direct and indirect comparisons with CDC Dancer. † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☼ = Protected by the 1978 Act of the UPOV Convention. ☼ = Protected by the 1991 Act of the UPOV Convention.

# SPRING TRITICALE

Variety	Overall Station Years of Testing	Yield Category (% AC Ultima)					Agronomic Characteristics:							Disease Tolerance:			
		Overall Yield	Low < 70 (bu/ac)	Medium 70 - 100 (bu/ac)	High 100-130 (bu/ac)	V. High > 130 (bu/ac)	Maturity Rating	Test Weight (lb/bu)	TSW <sup>4</sup> (g)	Height (cm)	Resistance to:			Ergot	Stripe Rust	Bunt	FHB
											Lodging	Shat-tering	Sprout-ing				
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to Brevis)</b>																	
<b>Brevis (bu/ac)</b>		<b>102</b>	<b>61</b>	<b>90</b>	<b>124</b>	<b>158</b>											
<b>Brevis</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>60</b>	<b>46</b>	<b>92</b>	<b>G</b>	<b>G</b>	<b>F</b>	<b>MR</b>	<b>MR</b>	<b>R</b>	<b>I</b>
AAC Delight ▲	21	95-	XX	XX	98	94	M	57	55	96	G	G	XX	MR	R	R	I
<b>Previously tested varieties: 2011 - 2013 (Yield and agronomic data only directly comparable to Brevis)</b>																	
Sunray	35	90-	93-	91-	XX	91-	M	57	45	94	VG	G	F	MR	MR	R	MS
Taza ☉	35	88-	91-	89-	XX	90-	M	58	47	100	G	G	F	I	MR	R	S
<b>Previously tested varieties: 2001 - 2013 (Yield and agronomic data only directly comparable to AC Ultima)</b>																	
<b>AC Ultima (bu/ac)</b>		<b>82</b>	<b>54</b>	<b>85</b>	<b>117</b>	<b>146</b>											
<b>AC Ultima</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>E</b>	<b>57</b>	<b>45</b>	<b>96</b>	<b>G</b>	<b>G</b>	<b>F</b>	<b>MS</b>	<b>MR</b>	<b>R</b>	<b>I</b>
Bumper † ☉	41	104	114+	100	99	96	E	59	45	90	VG	G	F	XX	MR	R	MS
Bunker ☉	49	90-	88-	92-	92-	XX	VL	57	48	107	F	G	F	XX	MR	R	I
Pronghorn	120	101	100	101	103	102	M	55	43	98	G	G	F	I	MR	R	MR
Taza ☉	48	98	98	100	93-	XX	M	57	47	99	G	G	F	I	MR	R	S
Tyndal ☉	55	101	104	99	98	96	L	57	44	97	G	G	P	XX	MR	R	MS

**REMARKS:** Triticale is late maturing compared to CWRS wheat (approximately five days later). AC Ultima yields about 30% more than AC Barrie (CWRS wheat) in areas of adaptation. Bunker, Taza, and Tyndal have heads with reduced-awns which may be beneficial when harvested as forage or silage. New registration: AAC Delight (T225). XX = Insufficient data to describe † = Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention.

# CANADA WESTERN AMBER DURUM

Variety	Overall Station Years of Testing	Yield Category (% Strongfield):			Agronomic Characteristics:							Disease Tolerance:					
		Overall Yield	Low < 45 (bu/ac)	Medium 45 - 70 (bu/ac)	High > 70 (bu/ac)	Mat. Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to:		Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
											Ldg.	Sprt.					
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to Strongfield)</b>																	
<b>Strongfield (bu/ac)</b>		<b>64</b>	<b>35</b>	<b>60</b>	<b>93</b>												
<b>Strongfield ☉</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>14.3</b>	<b>63</b>	<b>45</b>	<b>84</b>	<b>F</b>	<b>F</b>	<b>S</b>	<b>I</b>	<b>MR</b>	<b>MS</b>	<b>S</b>
AAC Congress ▲	23	104	109	100	104	M	-0.3	63	44	81	F	P	MR	R	R	MS	MS
Brigade ☉	77	103+	105	103	101	L	-0.6	63	47	87	G	F	MS	R	MR	I	MS
CDC Alloy ▲	14	102	XX	97	99	M	0.2	63	44	85	F	F	I	R	R	MS	MS
CDC Dynamic ▲	14	97	XX	99	93-	M	0.6	62	44	82	F	F	I	R	MR	I	MS
Transcend ☉	43	101	102	103	99	M	XX	63	45	87	F	F	S	R	R	I	MS
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to Strongfield)</b>																	
AAC Cabri ☉	25	94-	98	93-	XX	M	0.1	62	45	86	G	P	MR	R	R	I	MS
AAC Current ☉	30	99	104	98	XX	M	0	62	44	85	F	F	MS	MR	MR	I	MS
AAC Durafield † ☉	22	99	XX	99	XX	M	-1	64	46	76	F	F	S	R	MR	I	S
AAC Marchwell VB ☉	32	99	107	96	98	M	-0.1	63	46	83	F	F	MR	R	R	MS	MS
AAC Raymore ☉	34	97	99	98	94	M	0.8	62	47	82	F	F	MS	MR	MR	I	S
AAC Spitfire ☉	25	97	100	96	XX	M	-0.4	61	46	82	G	P	MS	R	R	MS	S
AC Navigator	65	95-	102	93-	93-	M	XX	63	45	77	G	G	S	R	R	S	S
CDC Carbide VB ▲	25	100	104	100	XX	M	0	62	45	85	G	P	MS	R	R	MS	MS
CDC Desire ▲	34	102	106	101	101	E	0	62	44	83	F	G	MS	R	MR	I	S
CDC Fortitude ☉	32	102	102	102	103	M	-0.6	63	45	81	G	F	MS	R	R	MS	MS
CDC Verona ☉	46	102	103	103	99	M	XX	62	46	82	G	F	MS	R	R	MS	MS
CDC Vivid ▲	34	100	104	99	98	M	0.1	62	45	83	G	F	I	R	MR	I	S
Enterprise † ☉	48	101	104	100	102	M	XX	63	44	83	G	F	MS	I	R	I	MS

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. Generally, durum wheat is best adapted to southern Alberta. Outside of this area, durum tends to be late maturing and often subject to quality loss. The long-term average maturity for Strongfield is 105 days and is rated as Medium (M). Strongfield yields about 10% higher than AC Barrie in areas of best adaptation. Durum varieties are generally more susceptible to Fusarium head blight than CWRS wheat varieties. AAC Cabri, AAC Raymore and CDC Fortitude have a solid stem that confers resistance to the wheat stem sawfly. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. New registrations: AAC Succeed VB (BT871). Insufficient data to describe: AAC Succeed. XX - Insufficient data to describe. † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention.



# CANADA WESTERN RED SPRING

Variety	Overall Station Years of Testing	Yield Category (% AC Barrie):				Agronomic Characteristics:								Disease Tolerance:				
		Overall Yield	Low < 45 (bu/ac)	Medium 45 – 75 (bu/ac)	High > 70 (bu/ac)	Maturity Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
												Ldg.	Sprt.					
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
<b>AC Barrie (bu/ac)</b>		<b>60</b>	<b>42</b>	<b>63</b>	<b>84</b>													
<b>AC Barrie</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>14.0</b>	<b>63</b>	<b>37</b>	<b>89</b>	<b>N</b>	<b>G</b>	<b>G</b>	<b>MR</b>	<b>I</b>	<b>S</b>	<b>MS</b>	<b>I</b>
Carberry - check ☉	95	107+	110+	106+	104	L	0	63	39	79	Y	VG	F	MR	R	MR	MS	MR
AAC Cameron VB ☉	42	117+	110+	123+	115+	M	-0.6	62	44	94	Y	G	F	S	R	S	I	I
AAC Redberry ☉	42	108+	108+	109+	106	M	-0.1	63	41	84	Y	G	G	R	I	R	MS	I
AAC Tisdale ▲	28	106+	106	107	106+	M	0.4	63	43	89	Y	F	F	MR	MR	S	MS	MR
AAC Viewfield ▲	42	117+	116+	118+	117+	L	-0.3	63	40	76	Y	VG	G	S	MR	R	I	I
CDC Adamant VB	28	111+	103	118+	110+	M	-0.3	63	40	83	Y	P	F	S	S	MS	MS	I
CDC Bradwell ☉	42	108+	107+	108+	110+	L	-0.3	63	38	84	Y	VG	F	MR	R	MS	MS	I
CDC Go	104	111+	106+	113+	115+	M	0.1	61	42	82	Y	G	VP	MS	I	MS	S	MS
CDC Hughes VB ▲	28	111+	110+	111	112+	M	-0.2	64	44	84	Y	G	G	MR	MS	I	I	I
CDC Landmark VB ▲	28	113+	108	117	113+	M	-0.1	64	44	85	Y	VG	VG	MR	MS	MR	I	I
Stettler ☉	83	112+	115+	110+	112+	M	0	62	38	84	Y	G	G	R	MR	I	MS	MS
SY Slate ▲	42	108+	108	110+	106+	M	0.2	62	41	85	Y	F	P	MS	S	MR	MS	I
SY Sovite ☉	28	104	105	109	101	M	0	62	43	89	Y	F	F	R	MS	R	MR	MR
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
5604HR CL	76	99	102	98	99	E	-0.7	63	33	87	Y	G	G	MS	I	XX	MS	I
5605HR CL † ☉	43	109+	XX	114+	106+	M	-0.2	64	38	91	Y	G	XX	R	MR	I	MS	MR
AAC Bailey † ☉	58	103	102	104	103	M	-0.6	63	37	92	N	G	G	MS	I	I	I	I
AAC Brandon ☉	41	114+	106	117+	113+	M	-0.2	64	38	81	Y	VG	P	MR	S	MR	I	MR
AAC Connery ☉	42	106+	XX	108	108+	E	0	62	40	81	N	VG	G	MR	I	R	I	MR
AAC Elie ☉	41	115+	107	120+	112+	M	-0.1	64	38	81	Y	G	F	I	I	MR	I	I
AAC Prevail ☉	42	106+	XX	107+	107+	L	-0.6	62	39	96	Y	G	G	S	S	R	MS	I
AAC Redwater ☉	41	103	96	106	104	E	0	64	35	87	Y	G	VG	MS	I	MR	MS	I
AC Intrepid †	107	102	98	103	105+	E	0	62	39	90	N	G	P	I	MR	MR	MS	MS
AC Splendor †	153	95-	93-	96-	98	VE	0.9	61	37	89	N	F	F	I	I	I	I	MS
Cardale ☉	41	105+	100	106+	105	M	-0.3	63	37	84	Y	G	G	I	S	MS	MS	MR
Coleman	43	101	XX	105	98	M	0	64	37	93	Y	F	P	S	S	MR	I	MR
CDC Abound ☉	88	110+	108+	110+	112+	M	-0.1	63	40	82	Y	G	F	I	I	MS	MS	S
CDC VR Morris ☉	41	109+	105	111+	107	M	-1	65	37	84	N	G	P	I	I	XX	I	MR
CDC Plentiful ☉	41	106+	100	108+	106+	M	-0.2	64	35	87	N	VG	P	R	I	MR	I	MR
CDC Stanley ☉	76	113+	114+	114+	113+	M	-0.8	63	34	87	N	G	G	MR	S	I	I	MS
CDC Titanium VB ☉	41	108+	XX	112+	103	E	0.5	65	41	87	Y	G	P	MS	I	R	MS	MR
CDC Utmost VB ☉	53	112+	115+	112+	111+	M	-0.2	64	36	85	N	G	G	MS	S	I	I	MS
Glenn ☉	61	104	110+	100	104	L	-0.2	65	36	85	Y	VG	F	I	I	MR	I	I
Go Early ☉	42	104	XX	105	104	VE	0.3	61	40	93	Y	G	P	I	MR	I	S	I
Goodeve VB † ☉	96	105+	107+	103	104	M	-0.1	62	36	88	N	VG	G	MR	S	I	MS	S
Muchmore ☉	53	111+	114+	107	111	L	-0.9	63	37	75	Y	VG	G	MR	R	MR	MS	MS
Peace †	53	100	100	97	103	M	0.1	63	37	92	N	G	P	R	R	MR	XX	S
Shaw VB ☉	53	112+	116+	109+	113+	M	-0.9	63	37	92	N	G	G	S	MR	I	MS	MS
Superb ☉	184	112+	110+	112+	115+	L	-0.4	62	42	85	Y	G	F	I	MR	S	S	MS
SY433 ☉	44	104	101	104	104	M	-1	64	39	95	Y	G	G	I	S	XX	I	MR
SY479 VB ☉	42	97-	XX	100	95-	M	0.8	62	40	94	Y	VG	VG	MS	R	S	MS	I
SY637 ☉	42	103	XX	101	103	L	0.8	62	39	91	Y	G	XX	MS	MR	MR	I	MR
Thorsby ☉	43	106+	XX	110	105	E	-0.5	64	38	89	N	G	F	I	S	R	MS	I
Vesper VB † ☉	45	106+	106	108+	104	M	-1.5	63	37	90	Y	F	F	I	S	S	I	I
WR859 CL † ☉	79	106+	110+	103	107+	M	-0.4	64	34	81	Y	G	G	R	R	I	MS	MR

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. Several CWRS varieties will be reclassified to the new CNHR wheat class, effective August 1, 2018. The varieties affected are AC Abbey, AC Cora, AC Eatonia, AC Majestic, AC Michael, AC Minto, Alvena, Alikat, CDC Makwa, CDC Osler, Columbus, Conway, Harvest, Kane, Katepwa, Leader, Lillian, McKenzie, Neepawa, Park, Pasqua, Pembina, Thatcher, Unity VB and 5603HR. For more information see the Canadian Grain Commission website [www.grainscanada.gc.ca](http://www.grainscanada.gc.ca). The long-term average maturity for AC Barrie is 106 days and rated as Medium (M). Fusarium head blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for loose smut or bunt should be treated with a systemic seed treatment to reduce the potential for infection. CDC Adamant VB, CDC Landmark VB and CDC Hughes VB have a solid stem that confers resistance to the wheat stem sawfly. 5604HR CL, 5605HR CL, CDC Abound, CDC Imagine, CDC Thrive and WR589 CL are tolerant to the CLEARFIELD® herbicides Adrenalin SC and Allitude FX. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. New CWRS registrations: AAC Jatharia VB (BW483), AAC Alida (BW980), CDC Adamant VB (BW488). Insufficient data to describe: AAC Jatharia VB, AAC Alida, and Parata. XX - Insufficient data to describe. † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention.

# CANADA WESTERN RED SPRING

Yield: Annual Means by Productivity Environment \*

Variety	Low Yield Sites (< 60 bu/ac)					High Yield Sites (>= 60 bu/ac)					Overall Yield	Station Years of testing
	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017		
<b>AC Barrie (bu/ac)</b>	<b>36</b>	<b>44</b>	<b>46</b>	<b>48</b>	<b>47</b>	<b>75</b>	<b>71</b>	<b>69</b>	<b>78</b>	<b>75</b>	<b>60</b>	<b>363</b>
<b>AC Barrie (check)</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>363</b>
<b>Carberry ☼</b>			<b>106</b>	<b>104</b>	<b>113</b>			<b>107</b>	<b>101</b>	<b>109</b>	<b>107+</b>	<b>138</b>
5604HR CL ☼	95					101					99	76
5605HR CL ☼	114	95	105			114	109	108			109+	43
AAC Bailey ☼	106	94				98	104				103	58
AAC Brandon ☼	119	104				114	122				114+	41
AAC Elie ☼	135	105				114	121				115+	41
AAC Redwater ☼	103	97				107	109				103	41
Cardale ☼	113	96				103	108				105+	41
CDC VR Morris ☼	105		115			113		110			109+	41
CDC Plentiful ☼	111	101				108	110				106+	41
CDC Stanley ☼	106					120					113+	76
CDC Titanium VB ☼	112	102	110			107	111	104			108+	41
Coleman	104	92	94			103	104	101			101	43
Katepwa	95	96				98	99				97	278
SY433 ☼	108					105					104	44
Thorsby ☼	98	97	103			106	113	109			106+	43
AAC Connery ☼		94	104	107			108	108	108		106+	42
AAC Prevail VB ☼		99	104	106			107	107	109		106+	42
Go Early ☼		97	107	102			105	109	102		104	42
SY479 VB ☼		95	98	99			97	98	97		97-	42
SY637 ☼		95	101	98			107	104	103		103	42
AAC Cameron VB ☼			112	113	105			118	118	122	117+	42
AAC Redberry ☼			109	109	107			111	104	108	108+	42
AAC Viewfield ▲			118	116	110			116	117	119	117+	42
CDC Bradwell ☼			104	112	106			105	112	109	108+	42
SY Slate ▲			109	106	109			106	105	113	108+	42
AAC Tisdale ▲				107	103				106	107	106	28
CDC Adamant VB ▲				109	96				110	116	111+	28
CDC Hughes VB ▲				111	107				109	114	111+	28
CDC Landmark VB ▲				110	103				112	119	113+	28
SY Sovite				105	105				102	106	104	28
<b>CDC Go (benchmark)</b>					<b>110</b>					<b>115</b>	<b>111+</b>	<b>104</b>
<b>Stettler ☼ (benchmark)</b>					<b>107</b>					<b>112</b>	<b>112+</b>	<b>83</b>
<b>Number of Sites</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>11</b>	<b>10</b>	<b>9</b>	<b>10</b>	<b>11</b>		

REMARKS: \* Please see the INTRODUCTION for an explanation of this new yield format

# CANADA WESTERN HARD WHITE SPRING

Variety	Overall Station Years of Testing	Yield Category (% AC Barrie):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 45 (bu/ac)	Medium 45 – 75 (bu/ac)	High > 70 (bu/ac)	Maturity Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
			Ldg.	Sprt.														
<b>Previously tested varieties (Yield and agronomic data only directly comparable to AC Barrie)</b>																		
AC Barrie (bu/ac)		60	42	63	84													
AC Barrie ☺		100	100	100	100	M	14	62	38	87	N	G	G	MR	I	S	MS	I
AAC Iceberg ☺	39	104	96	106	107	M	-0.7	64	39	86	Y	G	P	MS	I	MR	MS	I
CDC Whitewood	43	107+	XX	110	105	M	-0.9	64	38	87	Y	G	G	S	S	I	MS	I
Snowbird ☺	94	101	99	101	101	M	-0.2	62	36	89	N	G	G	MR	MS	MS	S	I
Snowstar ☺	58	102	99	103	102	M	-0.8	64	30	82	N	G	G	MS	S	MS	I	MS
Whitehawk ☺	42	107	112+	108+	106	E	-0.9	63	33	90	N	G	G	I	MS	MS	MS	I

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. The long term average maturity for AC Barrie is 106 days and rated as Medium (M). Fusarium head blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for loose smut or bunt should be treated with a systemic seed treatment to reduce the potential for infection. XX - Insufficient data to describe. † - Flagged for possible removal in 2019. ☺ = Protected by the 1978 Act of the UPOV Convention. ☻ = Protected by the 1991 Act of the UPOV Convention.

# CANADA PRAIRIE SPRING RED

Variety	Overall Station Years of Testing	Yield Category (% AC Barrie):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 65 (bu/ac)	Medium 65 - 90 (bu/ac)	High > 90 (bu/ac)	Maturity Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
			Ldg.	Sprt.														
<b>Varieties tested in the 2016 trials (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
AC Barrie (bu/ac)		66	42	64	89													
AC Barrie		100	100	100	100	M	13.8	63	40	90	N	G	G	MR	I	S	MS	I
Carberry - check ☺		106+	107+	107+	104+	L	0	63	40	79	Y	VG	F	MR	R	MR	MS	MR
AAC Crossfield ☺	43	122+	119+	124+	122+	M	-1.2	62	42	80	Y	G	XX	MS	I	R	I	I
AAC Entice ▲	30	119+	114+	125+	119+	M	-0.7	62	40	77	Y	G	XX	MS	S	R	MS	I
AAC Goodwin ▲	31	123+	121+	126+	122+	M	-0.4	63	41	83	Y	VG	G	MS	MS	R	I	I
AAC Penhold ☺	58	118+	113+	123+	118+	M	-1	63	45	71	Y	VG	G	I	R	MR	I	MR
CDC Terrain ▲	30	122+	124+	122+	119+	M	-1.4	62	44	88	Y	G	G	MR	MR	R	I	MS
SY Rowyn ▲	30	114+	113+	117+	111+	M	-1	62	36	78	Y	G	F	I	S	MR	I	MR
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
5700PR * ☺	117	117+	XX	121+	113+	L	-1.9	62	42	75	Y	VG	F	MS	R	MR	MS	MS
AAC Crusader † ☺	40	116+	XX	116+	117+	M	-1.2	60	41	80	Y	G	P	MR	I	XX	MS	I
AAC Foray VB ☺	41	128+	XX	130+	120+	M	-1.7	63	51	85	Y	G	G	MS	I	MR	MS	I
AAC Ryley ☺	37	118+	XX	120+	114+	M	-0.6	60	48	82	Y	G	G	I	R	S	MS	MS
AAC Tenacious VB † ☺	40	107+	XX	109+	101	M	-1.3	62	39	97	Y	P	VG	R	R	MR	MS	R
AC Crystal	278	115+	XX	119+	113+	L	XX	62	42	79	Y	G	P	I	R	S	I	S
SY985 * ☺	51	112+	XX	115+	109+	M	0.1	61	44	78	Y	G	P	R	MR	XX	I	I
SY995 ☺	41	118+	XX	119+	113+	M	-1.9	63	45	79	Y	G	P	S	MR	MR	MS	MS

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. Several CPSR varieties will be reclassified to the CNHR wheat class. AC Foremost, AC Taber, Conquer and Oslo will be reclassified on August 1, 2018 and AC Crystal will be reclassified on August 1, 2019. For more information see the Canadian Grain Commission website www.grainscanada.gc.ca. The long-term average maturity for AC Barrie is 106 days and rated as Medium (M). Fusarium head blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for loose smut or bunt should be treated with a systemic seed treatment to reduce the potential for infection. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. New CPSR registrations: AAC Goodwin (BW968). XX - Insufficient data to describe. \* Yield figures based on direct and indirect comparisons with AC Barrie. † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☺ = Protected by the 1978 Act of the UPOV Convention. ☻ = Protected by the 1991 Act of the UPOV Convention.

# CANADA NORTHERN HARD RED

Variety	Overall Station Years of Testing	Yield Category (% AC Barrie):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 55 (bu/ac)	Medium 55 - 75 (bu/ac)	High > 75 (bu/ac)	Mat. Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
												Ldg.	Spr.					
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
<b>AC Barrie (bu/ac)</b>	<b>66</b>	<b>44</b>	<b>60</b>	<b>83</b>														
<b>AC Barrie</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>13.8</b>	<b>63</b>	<b>40</b>	<b>89</b>	<b>N</b>	<b>G</b>	<b>G</b>	<b>MR</b>	<b>I</b>	<b>S</b>	<b>MS</b>	<b>I</b>	
Carberry - check ☉		106+	107	106+	106+	L	0	64	40	79	Y	VG	F	MR	R	MR	MS	MR
AAC Concord ▲	45	110+	112+	105	113+	M	-0.6	62	41	87	N	F	F	I	MR	R	I	MS
Elgin ND ☉	43	118+	122+	118+	116+	M	-0.6	63	38	87	Y	G	XX	XX	S	MR	I	I
<b>Effective August 1, 2018 the following varieties are designated as CANADA NORTHERN HARD RED</b>																		
AC Foremost *	141	119+	116+	123+	117+	L	-1.3	62	42	73	Y	VG	F	I	R	S	MS	S
Conquer VB * ☉	51	121+	XX	123+	120+	M	-0.8	62	45	84	Y	F	P	MS	R	MR	I	MS
Harvest ☉	118	102	98	103	104+	M	-0.1	62	36	84	N	VG	VG	MR	S	MR	MS	S
Lillian ☉	87	104+	111+	100	104	M	0.2	61	37	86	N	F	G	I	MR	R	MR	S
Unity VB † ☉	71	110+	111+	110+	111+	M	-0.7	64	36	89	Y	F	G	MS	R	MS	MS	MS

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. Several CWRS and CPSR varieties will be reclassified to this new CNHR class, effective August 1, 2018. The CWRS varieties are AC Abbey, AC Cora, AC Eatonia, AC Majestic, AC Michael, AC Minto, Alvena, Alikat, CDC Makwa, CDC Osler, Columbus, Conway, Harvest, Kane, Katepwa, Leader, Lillian, McKenzie, Neepawa, Park, Pasqua, Pembina, Thatcher, Unity VB and 5603HR. The CPSR varieties are AC Foremost, AC Taber, Conquer and Oslo. AC Crystal will be reclassified on August 1, 2019. For more information see the Canadian Grain Commission website [www.grainscanada.gc.ca](http://www.grainscanada.gc.ca). The long-term average maturity for AC Barrie is 106 days and rated as Medium (M). Fusarium head blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. AAC Concord has a solid stem that confers resistance to the wheat stem sawfly. Varieties rated Intermediate (I) to Susceptible (S) for loose smut or bunt should be treated with a systemic seed treatment to reduce the potential for infection. Insufficient data to describe: Faller, Prosper. cXX - Insufficient data to describe. c† - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention.

# CANADA WESTERN SPECIAL PURPOSE

Variety	Overall Station Years of Testing	Yield Category (% AC Barrie):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 65 (bu/ac)	Medium 65 - 90 (bu/ac)	High > 90 (bu/ac)	Maturity Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
												Ldg.	Spr.					
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
<b>AC Barrie (bu/ac)</b>	<b>66</b>	<b>42</b>	<b>66</b>	<b>92</b>														
<b>AC Barrie ☉</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>14.2</b>	<b>63</b>	<b>40</b>	<b>90</b>	<b>N</b>	<b>G</b>	<b>G</b>	<b>MR</b>	<b>I</b>	<b>S</b>	<b>MS</b>	<b>I</b>	
Carberry - check ☉		106+	107+	107+	103	L	0.1	63	40	79	Y	VG	F	MR	R	MR	MS	MR
AAC Awesome VB ▲	26	140+	141	135+	142+	L	-2.7	62	43	89	Y	G	P	I	I	R	I	I
Alderon	26	137+	125	133+	146+	VL	-2.9	58	41	75	N	VG	F	XX	MS	MR	I	XX
Charing VB ▲	26	143+	134	144+	145+	VL	-2.4	61	41	80	N	VG	G	XX	XX	R	MR	XX
Sparrow VB	26	141+	133+	143+	143+	VL	-2.5	61	41	80	N	VG	G	XX	I	MR	I	XX
Pasteur *	43	140+	139+	141+	139+	VL	-2	63	41	81	N	VG	G	MS	S	MR	I	I
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to AC Barrie)</b>																		
AAC Innova ☉	38	134+	XX	135+	135+	L	-3.2	60	41	82	Y	G	P	S	S	R	I	S
AAC NRG097 ☉	41	124+	XX	121+	126+	L	-3	63	47	80	Y	G	F	I	R	S	I	I
CDC NRG003 * † ☉	51	121+	XX	126+	112+	M	-1.9	61	43	80	Y	G	F	MS	R	XX	MS	S
SY087 ☉	41	120+	XX	122+	114+	M	-1.4	63	40	82	Y	G	F	MS	MR	MR	I	MR

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. The long-term average maturity for AC Barrie is 106 days and rated as Medium (M). Fusarium head blight (FHB) infection is highly influenced by the environment and heading date. Under high levels of FHB all varieties will sustain damage. Moderately Resistant (MR) and Resistant (R) ratings for FHB do not equate to immunity. Varieties rated Intermediate (I) to Susceptible (S) for loose smut or bunt should be treated with a systemic seed treatment to reduce the potential for infection. \* Yield figures based on direct and indirect comparisons with AC Barrie. XX - Insufficient data to describe. † - Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention.

# CANADA WESTERN SOFT WHITE SPRING

Variety	Overall Station Years of Testing	Yield Category (% AC Andrew):				Agronomic Characteristics:							Disease Tolerance:						
		Over-all Yield	Low < 65 (bu/ac)	Medium 65 - 100 (bu/ac)	High > 100 (bu/ac)	Mat. Rating	Pro-tein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:			Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
												Ldg.	Shat.	Sprt.					
<b>Varieties tested in the 2017 trials (Yield, statistical differences and agronomic data only directly comparable to AC Andrew)</b>																			
AC Andrew (bu/ac)		85	54	86	123														
AC Andrew *		100	100	100	100	L	11.0	62	40	80	Y	VG	VG	P	S	S	I	MS	I
AAC Indus VB ☉	39	104	96	108	105	VL	-0.2	61	42	87	Y	VG	VG	P	S	MS	R	MS	MS
Sadash VB ☉	61	107+	110+	106+	104	L	-0.1	63	39	81	Y	VG	VG	P	I	S	R	I	S
<b>Previously tested varieties (Yield, statistical differences and agronomic data only directly comparable to AC Andrew)</b>																			
AAC Chiffon VB ☉	39	104+	106	105+	101	L	-0.4	62	46	88	Y	G	VG	P	S	S	MR	I	S
AC Meena †	51	97-	101	97-	95-	L	0	62	37	80	Y	G	G	F	MS	MS	MR	S	S

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. AC Andrew yields about 35% more than AC Barrie. In addition to traditional markets, SWS wheat varieties may have demand as a feedstock for ethanol production. \*Maturity, resistance to lodging and sprouting are compared with AC Barrie. Varieties rated Intermediate (I) to Susceptible (S) for loose smut or bunt should be treated with a systemic seed treatment to reduce the potential for infection. New CWSWS registrations: AAC Paramount (SWS433). Insufficient data to describe: AAC Paramount. \* Yield figures based on direct and indirect comparisons with AC Andrew. † - Flagged for possible removal in 2019. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention.

# FALL RYE

Variety	Hybrid or OP Variety	Overall Station Years of Testing	Yield Category (% Hazlet)				Agronomic Characteristics:						
			Overall Yield	Low < 48 (bu/ac)	Medium 48 - 80 (bu/ac)	High 80 - 112 (bu/ac)	V. High > 112 (bu/ac)	Winter Survival	Test Weight (lb/bu)	TKW (g)	Falling Number (sec)	Height (cm)	Resistance to Lodging
<b>Yield, significant differences and agronomic data only directly comparable to Hazlet</b>													
Hazlet (bu/ac)			101	48	67	94	137						
Hazlet	OP	54	100	100	100	100	100	EX	59	39	145	108	G
KWS Bono	Hybrid	24	137+	XX	115	130+	133+	EX	58	34	258	101	VG
Brasetto	Hybrid	20	123+	XX	121	134	120+	EX	59	36	246	104	VG
KWS Daniello	Hybrid	11	123+	XX	115	126	122+	VG	59	35	258	104	G
KWS Gatano	Hybrid	14	124+	XX	XX	125+	120+	VG	58	33	250	102	F
Guttino	Hybrid	20	120+	XX	119	122+	120+	EX	60	36	279	101	VG
Prima	OP	51	85	77-	75-	91	89-	EX	58	33	188	120	F

**REMARKS:** Hazlet has lower viscosity which improves feed performance in monogastric livestock. Fall rye is much more cold tolerant than winter wheat or winter triticale. The long-term average heading date and maturity for Hazlet is June 1 and August 6, respectively. All fall rye varieties are similar for heading and maturity and are considered early. A major factor in marketing rye grain into the milling market is sprouting. This is generally measured using the Hagberg falling number test and is measured in seconds. Typically, a falling number of 180 seconds or greater is preferred by the rye milling market. Falling number is heavily influenced by moisture around harvest time and producers must make sure rye is harvested in a timely manner, similar to wheat crops. There is considerable variation in fall rye varieties for falling number and this must be considered if the milling market is the targeted end-user for rye grain. All fall rye is susceptible to ergot, however Daniello and Gatano have reduced susceptibility. AFSC crop insurance deadlines for seeding fall rye is September 20 north of the Bow River, and September 30 south of the Bow River. XX - Insufficient data to describe.

# WINTER WHEAT

Variety	Overall Station Years of Testing	Yield Category (% Radiant)					Agronomic Characteristics:							Disease Tolerance:				
		Overall Yield	Low < 45 (bu/ac)	Medium 45 - 75 (bu/ac)	High 75 - 105 (bu/ac)	V. High > 105 (bu/ac)	Winter Survival	Mat. Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resis. to Ldg	Stripe Rust	Leaf Rust	Stem Rust	Bunt	FHB
<b>Yield, significant differences and agronomic data only directly comparable to Radiant</b>																		
<b>CANADIAN WESTERN RED WINTER</b>																		
Radiant (bu/ac)		76	37	63	87	114												
Radiant		100	100	100	100	100	VG	L	12.0	63	36	90	VG	S	S	S	S	S
AAC Elevate	72	106+	106	107+	107+	XX	G	M	+0.3	63	39	84	VG	MS	I	MR	MR	I
AAC Gateway	75	100	XX	99	103	XX	F	M	+0.9	63	33	77	VG	MR	I	MR	S	I
AAC Goldrush	29	102	XX	98	105	XX	VG	M	+0.5	63	34	86	G	I	R	MR	S	I
AAC Wildfire	43	114+	XX	117+	114+	XX	VG	VL	+0.3	64	38	86	G	R	I	S	MR	MR
AC Tempest †	117	97-	96	97	96-	99	P	VL	+1.5	63	37	91	VG	MR	S	S	MS	I
CDC Buteo †	198	97-	94-	98	95-	101	VG	M	+0.3	65	34	91	F	S	I	I	S	MR
CDC Chase †	43	101	XX	96	104	XX	F	M	+0.6	64	33	94	F	MR	R	R	S	MS
Emerson	79	98	96	95	100	XX	G	M	+0.7	64	30	86	G	MR	I	R	S	R
Flourish †	119	100	99	98	102	104	F	E	+0.6	63	35	80	VG	I	I	I	MR	S
Moats	90	104+	91	102	107+	108+	G	M	+0.7	64	33	91	F	MR	R	R	MS	S
<b>CANADA WESTERN EXPERIMENTAL</b>																		
<b>Yield, significant differences and agronomic data only directly comparable to Radiant</b>																		
AAC Icefield	39	105	XX	98	111+	XX	F	M	-0.6	63	32	82	VG	R	R	MR	S	MS
<b>CANADA WESTERN SPECIAL PURPOSE</b>																		
<b>Yield, significant differences and agronomic data only directly comparable to Radiant</b>																		
Pintail	79	108+	XX	109+	109+	XX	VG	L	-1.4	61	29	88	F	MR	MS	MS	S	S

**REMARKS:** Winter wheat can be grown successfully in all areas of Alberta if seeded into standing stubble within the optimal seeding date period (generally before September 15) and if there is adequate snowfall. Varieties with poor (P) winter survival are generally not suitable outside of southern Alberta. The long-term average maturity for Radiant is August 10 and is rated as late (L). Fusarium head blight infection may be reduced if varieties with Intermediate (I) resistance or better are used and when recommended seeding dates are followed. Radiant and AAC Elevate have tolerance to the wheat curl mite, the vector for Wheat Streak Mosaic Virus. To preserve the effectiveness of the wheat curl mite tolerance gene, agronomic practices that eliminate the "green bridge" of plant material that serves as a reservoir for mites should be followed whenever possible. Fields in southern Alberta should be inspected in the fall for infestation by Russian wheat aphid, as it may reduce winter survival. AAC Wildfire expresses some tolerance to Russian wheat aphid. AC Tempest, Radiant and AAC Wildfire have bronze chaff at maturity. AAC Icefield is a hard white winter wheat under interim registration, eligible for experimental grades to facilitate market research under an Identity Preserved system. AAC Icefield expresses high milling yield of very white flour and good gluten strength at lower protein concentrations that may be of interest in some niche markets. For more information contact FP Genetics. Pintail has an awnless head which may improve palatability when harvested for forage or silage. AAC Wildfire will be available in 2018. Limited quantities of AAC Goldrush and AAC Icefield may be available in 2019. XX - Insufficient data to describe. † - Flagged for possible removal in 2019.

# Small Plots

Distributor	Name	Mid season zone (5 sites)				Overall 10 sites in 2017				Disease tolerance <sup>2</sup>
		Yield (% 5440)	Days to maturity	Lodging <sup>1</sup>	Height (Inches)	Yield (% 5440)	Days to maturity	Lodging <sup>1</sup>	Height (Inches)	
<b>Clearfield</b>										
BrettYoung	5545 CL	96	97	1.7	42	96	98	1.5	47	BL
CANTERRA SEEDS	CS2200 CL	89	100	1.6	42	90	100	1.4	46	BL
Crop Production Services / Proven Seed	PV 200 CL	93	98	1.7	43	94	98	1.4	47	BL
DuPont Pioneer	46H75	96	100	1.6	43	96	100	1.4	47	BL
	LSD (5%)	13				13				
<b>Liberty Link</b>										
Bayer CropScience	5440	100	96	1.3	43	100	97	1.2	47	BL
Bayer CropScience	L241C	97	96	1.3	42	98	96	1.2	45	BL, CR
Bayer CropScience	L252	105	96	1.4	43	105	98	1.3	46	BL
	LSD (5%)	14				11				
<b>Roundup Ready</b>										
DuPont Pioneer	45H33	100	95	1.7	42	99	96	1.5	48	BL, CR
DuPont Pioneer	45M35	103	97	1.5	41	102	97	1.4	45	BL
BrettYoung	6074 RR	99	100	1.7	40	99	99	1.4	44	BL, S
BrettYoung	6076 RR	95	98	1.5	44	95	98	1.3	48	BL, CR, S
BrettYoung	6080 RR	91	97	1.5	38	91	97	1.3	43	BL
BrettYoung	6090 RR	101	99	1.5	45	99	98	1.4	49	BL, CR
DEKALB	74-44 BL	87	95	1.7	39	90	96	1.4	42	BL
CANTERRA SEEDS	CS2000	94	98	1.7	41	94	97	1.4	46	BL, CR
CANTERRA SEEDS	CS2100	97	97	1.8	40	95	97	1.6	44	BL
CANTERRA SEEDS	CS2300	103	98	1.5	42	101	99	1.3	48	BL
DL Seeds	DL1634 RR	96	100	1.5	43	96	100	1.3	48	BL
Crop Production Services / Proven Seed	PV 540 G	94	96	1.6	40	96	97	1.3	44	BL
Crop Production Services / Proven Seed	PV 581 GC	97	99	1.5	43	95	99	1.3	48	BL, CR
BrettYoung	4187 RR	97	99	1.4	43	97	99	1.3	47	BL, CR
Cargill	V12-1*	95	96	1.6	41	95	97	1.4	44	BL
	LSD (5%)	10				10				
CHECK 5440 AVERAGE YIELD (BU/AC)		67				65				

\* Indicates varieties with Specialty oil profiles and premiums associated with pricing. Visit [www.canolaperformancetrials.ca](http://www.canolaperformancetrials.ca) for more details

<sup>1</sup>- Lodging score, 1 to 5 scale, lower score indicates less lodging

<sup>2</sup> - Indicates genetic disease resistance with an "R" or resistant rating to BL=Blackleg, CR=Clubroot and improved tolerance to sclerotinia "S", based on variety descriptions submitted to CFIA

LSD - least significant difference at 5% level

## Standard Harvest Trials

Variety	Season zone			Overall sites
	Long (7)	Mid (14)	Short (5)	
Yield (bu/ac)				
45H33	56	53	50	53
L252	61*	57*	53*	57*

\* - indicates statistically significant different yield (5% level)

## Straight Cut Trials

Variety	Zone Long (9)	Overall sites (12)
45M35	43	47
75-65 RR	43	47
L140P	45*	49*

\* - indicates L140P yield is statistically different than the other 2 varieties (5% level) while 45M35 and 75-65 RR yields are statistically similar

## Clubroot Resistant Trials

Variety	Overall sites (8)
Yield (bu/ac)	
CS2000	61
L241C	62ns

ns - indicates the yields were not statistically different

## CANOLA SEED DISTRIBUTORS

For additional canola varieties available for purchase and detailed variety information please contact these canola seed distributors.

BASF / 1-800-371- 2273 / [www.agsolutions.ca](http://www.agsolutions.ca)  
 Bayer / 1-888-283-6847 / [www.bayercropscience.ca](http://www.bayercropscience.ca)  
 BrettYoung / 1-800-665-5015 / [www.brettyoung.ca](http://www.brettyoung.ca)  
 Canterra Seeds Ltd. / (204) 988-9750 / [www.canterra.com](http://www.canterra.com)  
 Cargill Specialty Seeds & Oils / 1-800-323-6232 / [www.victorycanola.com](http://www.victorycanola.com)  
 DEKALB Canada/Monsanto Canada Inc. / 1-844-633-5252 / [www.DEKALB.ca](http://www.DEKALB.ca)  
 DL Seeds / (204) 331-2361 / [www.dlseeds.ca](http://www.dlseeds.ca)  
 Dow AgroSciences / 1-800-667-3852 / [www.dowagro.ca](http://www.dowagro.ca)  
 DuPont Pioneer / (306) 385-3001 / [www.pioneer.com/canada](http://www.pioneer.com/canada)  
 Mastin Seeds / (403) 556-2609 / [www.mastinseeds.com](http://www.mastinseeds.com)  
 Proven Seed/CPS (Canada) Inc. / (306) 480-8520 / [provenseed.ca](http://provenseed.ca)  
 SeCan / 800-665-7333 / [www.secan.com](http://www.secan.com)  
 Syngenta Canada Inc. / 1-877-964-3682 / [www.syngentafarm.ca](http://www.syngentafarm.ca)

### ADDITIONAL RESOURCES:

Canola Council of Canada / 1-866-834-4378 / [www.canolacouncil.org](http://www.canolacouncil.org)  
 Alberta Agriculture and Rural Development / 310-FARM (3276) / [www.agriculture.alberta.ca](http://www.agriculture.alberta.ca)  
 Alberta Canola Producers Commission / 1-800-551-6652 / [www.canola.ab.ca](http://www.canola.ab.ca)



# FLAX

Variety	Overall Station Years of Testing	Yield Category (% CDC Bethune):					Agronomic Characteristics:					Disease Tolerance:		Quality:		
		Overall Yield	Low < 20 (bu/ac)	Medium 20 - 30 (bu/ac)	High 30 - 37 (bu/ac)	V. High > 37 (bu/ac)	Mat. Rating	Seed Colour	Seed Size	Height (cm)	Resis. to Ldg	Fusarium Wilt	Powdery Mildew	Oil Content (%)	ALA Content (%)	Iodine Value
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to CDC Bethune)</b>																
<b>CDC Bethune (bu/ac)</b>		<b>31</b>	<b>14</b>	<b>26</b>	<b>34</b>	<b>46</b>										
<b>CDC Bethune</b> ☼		<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>L</b>	<b>brown</b>	<b>M</b>	<b>57</b>	<b>G</b>	<b>MR</b>	<b>MR</b>	<b>46</b>	<b>55</b>	<b>189</b>
CDC Buryu ▲	26	100	97	104	99	97	L	brown	L	57	G	MR	MR	46	56	193
CDC Plava ☺	34	101	98	109	101	93	M	brown	M	53	G	MR	XX	47	57	196
Topaz ☺	26	101	104	100	97	105	L	brown	M	55	G	MR	MR	47	55	189
WestLin 61 ☺	26	101	99	106	100	97	M	brown	S	52	G	MR	MR	48	61	197
WestLin 72 ☺	26	100	96	106	103	94	VL	brown	S	53	VG	MR	MR	47	57	193
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to CDC Bethune)</b>																
AAC Bravo ☼	23	104	XX	XX	XX	105+	L	brown	L	64	G	MR	MR	45	60	194
CDC Glas ☼	23	106+	XX	XX	106	108+	L	brown	M	61	G	MR	MR	46	57	192
CDC Neela ☺	24	109+	108	116	108	XX	L	brown	M	55	G	MR	MR	46	59	194
CDC Sanctuary ☼	27	106+	112	99	XX	104	VL	brown	M	64	G	MR	MR	46	57	191
CDC Sorrel ☼	32	104	112	104	100	99	L	brown	L	61	F	MR	MR	45	58	193
Hanley † ☼	37	97-	99	97	95	97	M	brown	M	53	VG	R	MR	45	59	198
Prairie Grande † ☼	76	98-	103	101	94	96	M	brown	M	53	G	MR	MR	46	58	193
Prairie Sapphire ☼	23	96	XX	XX	XX	100	L	brown	M	64	G	MR	MR	48	57	193
Prairie Thunder ☼	40	100	106	95	XX	99	M	brown	M	55	G	R	MR	45	58	195
Taurus † ☼	27	98-	103	97	XX	XX	M	brown	M	53	VG	MR	R	46	54	187
VT50 ☼	24	103	XX	109	104	97	VL	yellow	S	51	VG	MR	XX	47	68	209
WestLin 60 ☺	24	100	100	105	XX	98	M	brown	M	50	G	MR	XX	46	60	198
WestLin 71 ☺	25	95-	99	91	XX	94	L	brown	M	56	G	MR	MS	48	61	198

**REMARKS:** For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. The long-term average maturity for CDC Bethune in Alberta is 110 days and rated as Late (L). All varieties are immune to flax rust. Insufficient data to describe: AAC Prairie Sunshine. † – Flagged for possible removal in 2019. ▲ = Applied for PBR protection. ☼ = Protected by the 1978 Act of the UPOV Convention. ☺ = Protected by the 1991 Act of the UPOV Convention.

## OAT

Variety	Overall Station Years of Testing	Overall Yield	Yield Category:			Nutritional Data:					
			Low < 8.0 (t/ac)	Medium 8.0 - 11.0 (t/ac)	High > 11.0 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
<b>Varieties tested in the 2017 trials (Yield, significant differences and agronomic data only directly comparable to CDC Baler)</b>											
<b>CDC Baler (t/ac)</b>		<b>9.9</b>	<b>5.9</b>	<b>9.9</b>	<b>13.3</b>	<b>9.5</b>	<b>61.4</b>	<b>0.3</b>	<b>0.2</b>	<b>1.8</b>	<b>0.2</b>
<b>CDC Baler</b>	<b>39</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
AC Juniper	29	93-	103	78-	93	101	101	94	107	103	106
AC Morgan	38	101	105	96	101	98	101	100	111	100	97
AC Mustang	39	98	99	97	99	101	99	99	103	101	99
CDC Haymaker	34	100	105	97	98	98	100	98	101	103	98
CDC Seabiscuit	12	98	97	96	101	99	100	88	99	95	97
CDC SO-1	39	96-	100	93-	95-	102	102	95	103	98	104
Murphy	33	103	105	101	103	92	95	94	96	103	98
Waldern	32	103	104	107	98	94	99	105	102	95	98
<b>Previously tested varieties (Yield, significant differences and agronomic data only directly comparable to CDC Baler)</b>											
Derby	6	96	XX	XX	XX	89	100	98	99	100	110
Everleaf	5	94	XX	XX	XX	96	98	105	97	110	92
Foothills	21	99	99	97	102	99	98	103	103	102	100
Jordan	20	100	103	100	94	97	100	96	105	97	112

## BARLEY

Variety	Overall Station Years of Testing	Overall Yield	Yield Category:			Nutritional Data:					
			Low < 9.0 (t/ac)	Medium 9.0 - 12.0 (t/ac)	High > 12.0 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Austenson)</b>											
<b>CDC Austenson (t/ac)</b>		<b>10.7</b>	<b>6.8</b>	<b>11.4</b>	<b>14.8</b>	<b>10.3</b>	<b>67.2</b>	<b>0.3</b>	<b>0.2</b>	<b>1.4</b>	<b>0.2</b>
<b>CDC Austenson</b>	<b>41</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Altorado	22	102	107	98	102	98	99	101	103	100	92
Amisk	29	91-	90-	91-	92-	103	102	130	106	104	108
CDC Coalition	33	94-	96	91-	XX	101	100	104	108	105	100
CDC Cowboy	33	101	102	100	XX	96	99	117	110	108	117
CDC Maverick	35	104	106	102	102	96	99	122	108	95	116
CDC Meredith	22	100	102	99	101	95	98	99	101	102	94
Canmore	22	99	101	95	101	99	99	118	102	98	102
Champion	22	102	107	99	102	99	100	103	100	102	99
Claymore	22	100	100	93	105	93	97	119	97	96	99
Conlon	27	86-	82-	88-	XX	97	102	125	113	97	103
Gadsby	33	99	101	98	XX	96	100	127	100	96	101
Ranger	19	94-	91-	96	XX	99	99	161	105	122	128
Sundre	33	93-	91-	94-	XX	102	100	132	106	112	113
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Austenson)</b>											
Busby	19	93-	87-	97	XX	100	99	128	100	100	103
Chigwell	19	90-	90-	91-	XX	101	99	152	101	105	116
Muskwa	13	90-	89	90-	XX	104	100	167	107	121	127
Ponoka	19	96	95	97	XX	97	99	148	103	104	115
Seebe	19	96-	95	98	XX	103	96	136	109	113	103
Trochu	18	88-	82-	92-	XX	99	101	139	107	109	119
Vivar	19	93-	90-	94	XX	103	100	144	99	104	123
Xena	19	95-	95	95	XX	101	99	111	105	102	106

## TRITICALE

Variety	Overall Station Years of Testing	Yield Category:			Nutritional Data:						
		Overall Yield	Low < 10.0 (t/ac)	Medium 10.0 - 12.5 (t/ac)	High > 12.5 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to Taza)</b>											
<b>Taza (t/ac)</b>		<b>10.9</b>	<b>7.5</b>	<b>11.3</b>	<b>14.7</b>	<b>9</b>	<b>62.7</b>	<b>0.2</b>	<b>0.2</b>	<b>1.4</b>	<b>0.1</b>
<b>Taza</b>	<b>44</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
AAC Chiffon	15	104	XX	102	XX	107	100	87	94	109	111
Bunker	36	99	102	98	98	103	99	109	94	95	115
Sunray	37	100	100	102	99	104	103	106	102	103	109
Tyndal	43	99	100	99	99	103	101	100	103	96	105
<b>Previously tested varieties (Yield and agronomic data only directly comparable to Taza)</b>											
AAC Innova	8	104	XX	XX	XX	108	100	87	106	109	107
AAC Ryley	8	97	XX	XX	XX	103	100	95	106	89	117
AC Ultima	7	103	XX	XX	XX	110	100	101	93	97	122
Pasteur	8	94	XX	XX	XX	107	103	96	99	107	117
Pronghorn	21	102	105	8	XX	103	100	102	99	109	106
Sadash	8	102	XX	XX	XX	99	99	88	91	110	105

## PULSE MIXTURES

Variety	Overall Station Years of Testing	Yield Category:			Nutritional Data:						
		Overall Yield	Low < 8.0 (t/ac)	Medium 8.0 - 10.0 (t/ac)	High > 10.0 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Austenson)</b>											
<b>CDC Austenson (t/ac)</b>	<b>9</b>	<b>8.4</b>	<b>6.1</b>	<b>9.1</b>	<b>12</b>	<b>10.5</b>	<b>66.8</b>	<b>0.3</b>	<b>0.2</b>	<b>1.5</b>	<b>0.2</b>
<b>CDC Austenson</b>	<b>9</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
CDC Baler	9	106	101	XX	XX	95	95	106	106	113	115
Taza	9	106	107	108	XX	93	95	75	108	101	84
CDC Austenson/CDC LeRoy	4	86	XX	XX	XX	128	97	167	120	116	119
CDC Austenson/CDC Meadow	9	100	102	99	XX	116	86	162	110	107	143
CDC Baler/CDC LeRoy	4	87	XX	XX	XX	107	95	135	108	121	109
CDC Baler/CDC Meadow	9	96	XX	100	XX	107	96	152	106	120	132
Taza/CDC LeRoy	4	95	XX	XX	XX	122	95	183	109	98	120
Taza/CDC Meadow	9	98	108	103	XX	106	95	181	105	103	129
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Austenson)</b>											
CDC Austenson/CDC Horizon	5	105	XX	XX	XX	101	97	156	102	111	133
CDC Baler/CDC Horizon	5	101	XX	XX	XX	109	94	173	101	123	145
Taza/CDC Horizon	5	108	XX	XX	XX	116	96	179	106	106	137
<b>Varieties tested in the 2012 - 2014 trials (Yield and agronomic data only directly comparable to Vivar)</b>											
<b>Vivar (t/ac)</b>		<b>8.6</b>	<b>5.8</b>	<b>9.7</b>	<b>10.3</b>	<b>9.4</b>	<b>63.5</b>	<b>0.5</b>	<b>0.2</b>	<b>1.2</b>	<b>0.2</b>
<b>Vivar</b>	<b>19</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Murphy	18	119+	XX	108	125+	88	94	77	99	129	88
Pronghorn	19	111	106	105	122	96	101	63	105	103	75
Murphy/40-10	12	105	XX	XX	XX	142	98	161	129	117	141
Pronghorn/40-10	12	104	XX	XX	XX	125	98	150	115	103	134
Vivar/40-10	12	97	XX	XX	XX	140	98	170	107	108	141
Murphy/CDC Horizon	19	112	121	97	120+	114	94	130	100	124	114
Pronghorn/CDC Horizon	19	111	120	101	112	125	98	143	105	105	106
Vivar/CDC Horizon	19	98	103	87-	105	128	97	162	101	107	116
Murphy/CDC Meadow	7	105	XX	XX	XX	104	95	116	101	123	95
Pronghorn/CDC Meadow	7	101	XX	XX	XX	122	99	124	113	105	95
Vivar/CDC Meadow	7	99	XX	XX	XX	115	100	187	89	98	119

# DRY BEAN – NARROW ROW

Variety	Type	Site Years 1997 - 2017	Overall Yield	Days to Bloom <sup>1</sup>	Days to Maturity	TSW <sup>2</sup> (g)	Plant Height (cm)	Lodging <sup>3</sup> (1 - 5)	Growth Habit <sup>4</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3239</b>						
<b>AC Black Diamond</b>	<b>Black Shiny</b>	<b>21</b>	<b>100</b>	<b>57</b>	<b>103</b>	<b>256</b>	<b>37</b>	<b>2.3</b>	<b>II</b>
AAC Black Diamond 2	Black Shiny	5	105	60	1	265	35	1.8	II
CDC Blackstrap (A) ☉	Black Matte	1	107	52	-11	251	39	2.5	II
<b>Island (kg/ha)</b>			<b>4439</b>						
<b>Island</b>	<b>Pinto</b>	<b>11</b>	<b>100</b>	<b>56</b>	<b>101</b>	<b>349</b>	<b>42</b>	<b>2.7</b>	<b>II</b>
AAC Burdett	Pinto	6	92	58	-4	381	42	1.3	II
AAC Explorer	Pinto	2	78	50	-8	390	39	2.6	II
<b>AAC Tundra (kg/ha)</b>			<b>4685</b>						
<b>AAC Tundra</b>	<b>Great Northern</b>	<b>7</b>	<b>100</b>	<b>54</b>	<b>97</b>	<b>372</b>	<b>45</b>	<b>2.4</b>	<b>II</b>
AAC Whitehorse	Great Northern	6	107	53	-2	394	44	2.4	II
AAC Whitestar	Great Northern	3	96	48	-7	386	49	2	II
<b>Previously tested varieties (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3174</b>						
<b>AC Black Diamond</b>	<b>Black Shiny</b>	<b>20</b>	<b>100</b>	<b>57</b>	<b>103</b>	<b>253</b>	<b>36</b>	<b>2.3</b>	<b>II</b>
CDC Blackcomb	Black Matte	6	78	64	1	186	36	1.3	II
<b>Island (kg/ha)</b>			<b>4155</b>						
<b>Island</b>	<b>Pinto</b>	<b>10</b>	<b>100</b>	<b>56</b>	<b>102</b>	<b>344</b>	<b>42</b>	<b>2.7</b>	<b>II</b>
CDC Marmot	Pinto	5	89	55	-6	419	34	2.2	II
CDC WM 2 ☉	Pinto	8	80	56	3	350	41	2.4	II
Medicine Hat ☉	Pinto	8	99	62	4	342	44	2	II
Winchester	Pinto	5	80	58	7	302	45	2.1	II
<b>AAC Tundra (kg/ha)</b>			<b>4559</b>						
<b>AAC Tundra</b>	<b>Great Northern</b>	<b>6</b>	<b>100</b>	<b>54</b>	<b>98</b>	<b>365</b>	<b>44</b>	<b>2.4</b>	<b>II</b>
AC Polaris	Great Northern	14	76	58	5	329	35	3.4	II
AC Resolute	Great Northern	17	68	51	-2	353	40	2.2	II
<b>AC Redbond (kg/ha)</b>			<b>2658</b>						
<b>AC Redbond</b>	<b>Small Red</b>	<b>16</b>	<b>100</b>	<b>51</b>	<b>101</b>	<b>296</b>	<b>38</b>	<b>2.5</b>	<b>II</b>
<b>CDC Sol (kg/ha)</b>			<b>1887</b>						
<b>CDC Sol ☉</b>	<b>Yellow</b>	<b>6</b>	<b>100</b>	<b>59</b>	<b>111</b>	<b>385</b>	<b>33</b>	<b>1.6</b>	<b>I</b>
<b>Viva (kg/ha)</b>			<b>2380</b>						
<b>Viva</b>	<b>Pink</b>	<b>13</b>	<b>100</b>	<b>52</b>	<b>100</b>	<b>252</b>	<b>30</b>	<b>3.5</b>	<b>III</b>

**REMARKS:** A = First year entries; <sup>1</sup>Days to bloom from seeding; <sup>2</sup>Thousand Seed Weight; <sup>3</sup>Lodging: 1 = erect, 5 = flat. <sup>4</sup>Growth Habit: I = determinate bush, II = indeterminate bush, III = indeterminate prostrate. XX - Insufficient data to describe. ☉ = Protected by Plant Breeder's Rights (PBR).

# DRY BEAN – WIDE ROW

Variety	Type	Site Years 1997 - 2017	Overall Yield	Days to Bloom <sup>1</sup>	Days to Maturity	TSW <sup>2</sup> (g)	Plant Height (cm)	Lodging <sup>3</sup> (1 - 5)	Growth Habit <sup>4</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3139</b>						
<b>AC Black Diamond</b>	<b>Black Shiny</b>	<b>42</b>	<b>100</b>	<b>57</b>	<b>102</b>	<b>265</b>	<b>38</b>	<b>2.2</b>	<b>II</b>
AAC Black Diamond 2	Black Shiny	9	101	58	1	256	37	2.3	II
<b>Island (kg/ha)</b>			<b>3796</b>						
<b>Island</b>	<b>Pinto</b>	<b>23</b>	<b>100</b>	<b>56</b>	<b>99</b>	<b>369</b>	<b>41</b>	<b>3</b>	<b>II</b>
AAC Burdett	Pinto	9	101	55	-6	354	44	2.2	II
AAC Explorer	Pinto	4	90	52	-3	355	37	2.8	II
<b>AAC Tundra (kg/ha)</b>			<b>3633</b>						
<b>AAC Tundra</b>	<b>Great Northern</b>	<b>15</b>	<b>100</b>	<b>52</b>	<b>96</b>	<b>348</b>	<b>42</b>	<b>2.9</b>	<b>II</b>
AAC Whitehorse	Great Northern	12	98	51	0	369	43	2.8	II
AAC Whitestar	Great Northern	6	97	54	-1	357	47	2.9	II
AC Resolute	Great Northern	12	96	51	1	348	43	2.5	II
<b>CDC Sol (kg/ha)</b>			<b>2493</b>						
<b>CDC Sol</b> ☼	<b>Yellow</b>	<b>16</b>	<b>100</b>	<b>55</b>	<b>102</b>	<b>407</b>	<b>33</b>	<b>1.5</b>	<b>I</b>
AAC Y012	Yellow	4	108	52	-2	391	37	1.8	I
AAC Y015	Yellow	4	91	54	-1	384	34	2.3	I
<b>L12CB004 (kg/ha)</b>			<b>2531</b>						
<b>L12CB004 (A)</b>	<b>Cranberry</b>	<b>2</b>	<b>100</b>	<b>55</b>	<b>97</b>	<b>571</b>	<b>36</b>	<b>1.9</b>	<b>I</b>
<b>Previously tested varieties (Yield and agronomic data only directly comparable to the checks)</b>									
<b>AC Black Diamond (kg/ha)</b>			<b>3017</b>						
<b>AC Black Diamond</b>	<b>Black Shiny</b>	<b>40</b>	<b>100</b>	<b>57</b>	<b>103</b>	<b>265</b>	<b>38</b>	<b>2.2</b>	<b>II</b>
CDC Blackcomb	Black Matte	11	79	62	0	178	35	1.8	II
<b>Island (kg/ha)</b>			<b>3758</b>						
<b>Island</b>	<b>Pinto</b>	<b>20</b>	<b>100</b>	<b>56</b>	<b>100</b>	<b>369</b>	<b>41</b>	<b>3</b>	<b>II</b>
CDC WM-2 ☼	Pinto	14	76	56	1	369	40	2.5	II
Medicine Hat ☼	Pinto	12	93	61	4	354	42	2.4	II
Winchester	Pinto	13	85	56	4	337	40	2.5	II
<b>AAC Tundra (kg/ha)</b>			<b>3570</b>						
<b>AAC Tundra</b>	<b>Great Northern</b>	<b>13</b>	<b>100</b>	<b>52</b>	<b>97</b>	<b>349</b>	<b>42</b>	<b>2.9</b>	<b>II</b>
AC Polaris	Great Northern	6	107	62	7	300	37	4.1	II
<b>AC Redbond (kg/ha)</b>			<b>3149</b>						
<b>AC Redbond</b>	<b>Small Red</b>	<b>29</b>	<b>100</b>	<b>52</b>	<b>100</b>	<b>319</b>	<b>40</b>	<b>2.4</b>	<b>II</b>
<b>CDC Sol (kg/ha)</b>			<b>2350</b>						
<b>CDC Sol</b> ☼	<b>Yellow</b>	<b>14</b>	<b>100</b>	<b>55</b>	<b>104</b>	<b>409</b>	<b>33</b>	<b>1.5</b>	<b>I</b>
Myasi	Yellow	9	89	63	6	350	34	2.1	I
<b>Viva (kg/ha)</b>			<b>3137</b>						
<b>Viva</b>	<b>Pink</b>	<b>29</b>	<b>100</b>	<b>54</b>	<b>102</b>	<b>258</b>	<b>34</b>	<b>3.8</b>	<b>III</b>

**REMARKS:** A = First year entries; <sup>1</sup>Days to bloom from seeding; <sup>2</sup>Thousand Seed Weight; <sup>3</sup>Lodging: 1 = erect, 5 = flat. <sup>4</sup>Growth Habit: I = determinate bush, II = indeterminate bush, III = indeterminate vine. XX - Insufficient data to describe. ☼ = Protected by Plant Breeder's Rights (PBR).

# CHICKPEA

Variety	Type	Overall Station Years of Testing	Overall Yield <sup>1</sup>	Agronomic Characteristics:			
				TSW <sup>2</sup> (g)	Maturity Rating <sup>3</sup>	Plant Height (cm)	Tolerance to Ascochyta <sup>4</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Frontier)</b>							
<b>CDC Frontier (kg ha<sup>-1</sup>)</b>			<b>4324</b>				
<b>CDC Frontier<sup>1</sup></b>	<b>Kabuli</b>	<b>38</b>	<b>100</b>	<b>329</b>	<b>L</b>	<b>42</b>	<b>F</b>
CDC Consul	Desi	11	94	207	M	38	F
CDC Corinne	Desi	21	106	212	M	43	F
CDC Cory	Desi	21	100	232	M	44	F
CDC Alma	Kabuli	25	90	326	ML	38	VP
CDC Leader	Kabuli	21	97	332	ML	40	F
CDC Orion	Kabuli	25	96	387	ML	41	P
CDC Palmer ☉	Kabuli	11	97	285	M	37	F
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Frontier)</b>							
Amit ☉	Kabuli	25	92	269	L	44	F
CDC Luna	Kabuli	19	88	378	ML	37	P
CDC Vanguard	Desi	16	92	230	ML	42	F

**REMARKS:** All four trials: Bow Island, Brooks, Lethbridge and Medicine Hat were grown in Area 1. ☉ = Protected by the 1991 Act of the UPOV Convention. ☪ = Protected by the 1978 Act of the UPOV Convention. <sup>1</sup>Yields are reported relative to CDC Frontier. <sup>2</sup>TSW: Thousand Seed Weight. <sup>3</sup>Maturity Ratings: E = Early, M = Medium, ML = Medium to Late, L = Late. <sup>4</sup>Tolerance to Ascochyta: VP = Very Poor, P = Poor, F = Fair.

# FABABEAN

Variety	Type	Overall Yield	Overall Station Years of Testing	Relative Maturity <sup>1</sup>	Plant Height (cm)	Thousand Seed Weight (g)	Flower Colour <sup>2</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to Snowbird)</b>							
<b>CDC Snowbird (kg/ha) ☉</b>		<b>5821</b>					
<b>CDC Snowbird ☉</b>	<b>Zero Tannin</b>	<b>100</b>	<b>44</b>	<b>E</b>	<b>91</b>	<b>474</b>	<b>W</b>
Athena ▲ NR *	Tannin	117+	9	M	94	546	C
Fabelle	Tannin	121+	9	M	98	511	C
Malik NR *	Tannin	96-	32	M	85	623	C
Rodeo ▲ NR *	Tannin	118+	9	M	92	601	C
Vertigo NR	Tannin	120+	9	M	100	555	C
<b>Previously tested varieties: 2013 - 2015 (Yield and agronomic data only directly comparable to Snowbird)</b>							
Snowdrop	Zero Tannin	88-	23	E	87	351	W
Tabasco ☉	Zero Tannin	85-	15	M	86	374	W

**REMARKS:** All coloured flower types have seed coats that contain tannins and may be suitable for export food markets if seed size and quality match customer demand. Varieties tested for a minimum three years are considered fully tested. ☉ = Protected by the 1978 Act of the UPOV Convention; ▲ = Applied for PBR protection. NR = Variety not registered with CFIA. \* Contract Varieties. Varieties removed from the table: Ben and Earlibird.  
<sup>1</sup>Maturity: E = early, M = medium, ML = medium late, L = late; <sup>2</sup>Flower Colour: W = white flower, zero tannin; C = coloured flower, tannin.

# LENTIL

Market Class	Variety	Overall Yield	Overall Station Years of Testing	Agronomic Characteristics:					Disease Tolerance: <sup>6</sup>	
				TSW <sup>2</sup> (g)	Plant Height (cm)	Maturity Rating <sup>3</sup>	Cotyledon Colour <sup>4</sup>	Seed Coat Colour <sup>5</sup>	Ascochyta	Anthracnose
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Maxim)</b>										
<b>CDC Maxim (kg ha<sup>-1</sup>)</b>		<b>2904</b>								
Small Red	<b>CDC Maxim CL<sup>1</sup></b>	<b>100</b>	<b>29</b>	<b>40</b>	<b>34</b>	<b>E/M</b>	<b>R</b>	<b>GR</b>	<b>G</b>	<b>G</b>
Extra Small Red	CDC Rosie	97	19	30	35	E/M	R	GR	G	G
	CDC Roxy ▲	99	9	27	34	E/M	R	GR	G	G
Small Red	CDC Dazil CL	94	25	34	35	E/M	R	GR	G	F
	CDC Impulse CL ☉	97	9	46	37	E/M	R	GR	G	G
	CDC Proclaim CL A ☉	106	6	39	37	E/M	R	GR	G	G
	CDC Scarlet	102	19	38	35	E/M	R	GR	G	F
Large Red	CDC KR-1	104	23	52	39	M	R	GR	G	G
Small Green	CDC Invincible CL	96	28	33	35	E	Y	G	G	G
Large Green	CDC Greenstar	92	9	63	37	M/L	Y	G	G	F
	CDC Impower CL	81	23	67	41	M/L	Y	G	G	VP
	CDC Improve CL	84	23	71	38	M	Y	G	F	VP
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Maxim)</b>										
Extra Small Red	CDC Impala CL	93-	20	31	35	E	R	GR	G	G
	CDC Imperial CL	82-	17	30	35	E	R	GR	G	G
Small Red	CDC Imax CL	100	19	46	37	E/M	R	GR	G	F
	CDC Redberry	96	17	44	37	E	R	GR	G	G
	CDC Redcliff	110+	14	39	36	E/M	R	GR	G	F
Medium Green	CDC Imigreen CL	79-	14	61	43	M	Y	G	G	VP
	CDC Impress CL	85-	14	52	38	M	Y	G	G	P
Large Green	CDC Greenland	88-	14	67	39	M/L	Y	G	G	VP

**REMARKS:** Weight, diameter and thickness of lentil seeds were dependent upon environmental conditions and agronomic factors. All five trials: Bow Island, Brooks, Lethbridge, Medicine Hat and Oyen were grown in Area 1. A = First year entries (2017). CL = Clearfield variety. ▲ = Applied for PBR protection. ☉ = Protected by the 1991 Act of the UPOV Convention.  
<sup>1</sup>Yields are reported relative to CDC Maxim. CDC Maxim belongs to Small Red Market Class. <sup>2</sup>Thousand Seed Weight. <sup>3</sup>Maturity: E = Early, M = Medium, L = Late, VL = Very Late. <sup>4</sup>Cotyledon Colour: R = Red, Y = Yellow, G = Green; <sup>5</sup>Seed Coat Colour/Patterns: G = Green, GR = Grey, BR = Brown, FG = French Green, T = Tan, MRB = Marbled. <sup>6</sup>Disease tolerance: VP = Very Poor, P = Poor, F = Fair, G = Good.

# FIELD PEA – GREEN

Variety	Overall Yield	Overall Station Years of Testing	Area:										Agronomic Characteristics:			
			1		2		3		4		5		Maturity Rating <sup>1</sup>	Vine Length (cm)	TSW <sup>2</sup> (g)	Standability <sup>3</sup> (1 - 9)
			Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years				
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Limerick)</b>																
<b>CDC Limerick (kg/ha)</b>	<b>4764</b>		<b>3355</b>		<b>4497</b>		<b>6246</b>		<b>4672</b>		<b>6931</b>					
<b>CDC Limerick</b>	<b>100</b>	<b>89</b>	<b>100</b>	<b>15</b>	<b>100</b>	<b>28</b>	<b>100</b>	<b>14</b>	<b>100</b>	<b>26</b>	<b>100</b>	<b>6</b>	<b>M</b>	<b>77</b>	<b>210</b>	<b>3.2</b>
AAC Comfort A ▲	99-	13	104	3	99	4	97	2	100	3	86	1	M - L	77	244	3.7
AAC Royce	96-	40	106	8	94	9	92	6	98	14	79	3	M	67	247	4.1
CDC Forest A ▲	111+	13	130	3	107	4	108	2	102	3	102	1	M	81	228	2.6
CDC Spruce A ☉	104	13	103	3	106	4	110	2	95	3	115	1	M	82	243	2.8
LRP1424 NR A	107	13	124	3	108	4	101	2	97	3	94	1	M	81	209	3.1
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Limerick)</b>																
AAC Radius	92-	44	94	8	90-	11	88-	6	94-	16	87	3	M	76	217	3.6
CDC Greenwater	106+	42	106	8	109	11	105	6	106+	14	97	3	L	74	230	2.8
<b>Fully tested varieties: 2013 - 2014 (Yield and agronomic data only directly comparable to CDC Patrick)</b>																
<b>CDC Patrick (kg/ha)</b>	<b>4732</b>		<b>5083</b>		<b>4031</b>		<b>6242</b>		<b>4305</b>		<b>6049</b>					
<b>CDC Patrick</b>	<b>100</b>	<b>109</b>	<b>100</b>	<b>16</b>	<b>100</b>	<b>34</b>	<b>100</b>	<b>16</b>	<b>100</b>	<b>32</b>	<b>100</b>	<b>10</b>	<b>M</b>	<b>79</b>	<b>186</b>	<b>4.4</b>
CDC Pluto	96-	52	101	8	96	17	85-	8	100	16	92	3	M	82	170	6
CDC Raezer	105	52	91	8	110	17	98	8	107	16	116	2	M	89	227	4.2
CDC Tetris	106	52	102	8	109+	17	93	8	110+	16	115+	3	L	91	215	4.4
<b>Fully tested varieties: 2004 - 2012 (Yield and agronomic data only directly comparable to Cooper)</b>																
<b>Cooper (kg/ha)</b>	<b>4724</b>		<b>4947</b>		<b>3672</b>		<b>5977</b>		<b>4835</b>		<b>4962</b>					
<b>Cooper ☉</b>	<b>100</b>	<b>121</b>	<b>100</b>	<b>18</b>	<b>100</b>	<b>38</b>	<b>100</b>	<b>18</b>	<b>100</b>	<b>36</b>	<b>100</b>	<b>11</b>	<b>L</b>	<b>76</b>	<b>270</b>	<b>3.6</b>
CDC Sage	82-	31	79	3	81-	8	82-	7	84-	13	XX	XX	M	75	197	3.3
CDC Striker	96-	39	92	3	109	10	104	5	89-	21	XX	XX	M	72	255	3
Mendel	91-	38	75-	3	95	12	89-	6	91-	15	95	2	M	78	205	3.9

**REMARKS:** CDC Tetris is an Espace type with blocky seed shape. All the green pea varieties listed in the table are Powdery Mildew resistant except CDC Striker that is susceptible. A = First year entries (2017). XX = Insufficient data to describe; ▲ = Applied for PBR protection. ☉ = Protected by the 1978 Act of the UPOV Convention. ☉ = Protected by the 1991 Act of the UPOV Convention. <sup>1</sup>Maturity: E = Early, M = Medium, L = Late; <sup>2</sup>Thousand Seed Weight: g; <sup>3</sup>Standability: 1 = Erect, 9 = Flat; <sup>4</sup>Tolerance to: P = Poor, F = Fair, G = Good, VG = Very Good; <sup>5</sup>Seed Coat Dimpling: VG = Very Good (0 - 5%), G = Good (6 - 20%), F = Fair (21 - 50%).

# FIELD PEA – GREEN — CONT.

Variety	Disease Tolerance: <sup>4</sup>				
	Myco-sphaerella Blight	Fusarium Wilt	Seed Coat Bleaching	Seed Coat Breakage	Seed Coat Dimpling <sup>5</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Limerick)</b>					
<b>CDC Limerick (kg/ha)</b>					
<b>CDC Limerick</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>VG</b>	<b>G</b>
AAC Comfort A ▲	F	F	G	XX	F
AAC Royce	F	F	G	F	F
CDC Forest A ▲	F	F	G	G	G
CDC Spruce A ☉	F	F	G	G	F
LRP1424 NR A	F	F	G	G	G
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Limerick)</b>					
AAC Radius	F	F	G	G	G
CDC Greenwater	F	G	G	F	F
<b>Fully tested varieties: 2013 - 2014 (Yield and agronomic data only directly comparable to CDC Patrick)</b>					
<b>CDC Patrick (kg/ha)</b>					
<b>CDC Patrick</b>	<b>F</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>
CDC Pluto	F	F	G	G	G
CDC Raezer	F	G	G	G	G
CDC Tetris	F	G	G	G	G
<b>Fully tested varieties: 2004 - 2012 (Yield and agronomic data only directly comparable to Cooper)</b>					
<b>Cooper (kg/ha)</b>					
<b>Cooper ☉</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>F</b>	<b>G</b>
CDC Sage	F	G	G	VG	G
CDC Striker	F	G	G	G	G
Mendel	F	F	G	F	G



# FIELD PEA – YELLOW

Variety	Overall Yield	Overall Station Years of Testing	Area:										Agronomic Characteristics:			
			1		2		3		4		5		Maturity Rating <sup>1</sup>	Vine Length (cm)	TSW <sup>2</sup> (g)	Standability <sup>3</sup> (1 - 9)
			Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years				
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Amarillo)</b>																
<b>CDC Amarillo (kg/ha)</b>	<b>5166</b>		<b>3606</b>		<b>4650</b>		<b>6864</b>		<b>5265</b>		<b>7431</b>					
<b>CDC Amarillo</b>	<b>100</b>	<b>91</b>	<b>100</b>	<b>16</b>	<b>100</b>	<b>30</b>	<b>100</b>	<b>14</b>	<b>100</b>	<b>25</b>	<b>100</b>	<b>6</b>	<b>M</b>	<b>80</b>	<b>226</b>	<b>2.6</b>
AAC Barrhead ☼	98	28	95	5	98	8	98	5	102	8	94	2	E	84	232	3
AAC Carver ☺	106+	28	106	5	105	8	105	5	106+	8	107	2	E	86	240	3.4
AAC Chrome A NR ▲	107+	14	114+	3	110	5	104	2	104	3	94	1	M - L	71	234	3.9
AAC Lacombe ☼	104+	61	106+	11	100	21	110	8	105	17	98	4	M	75	256	2.4
CDC Athabasca A ☺	93-	14	96	3	91-	5	102	2	90	3	86	1	M	79	282	2.6
CDC Canary A NR ▲	100	14	108	3	103	5	97	2	92	3	95	1	E	80	239	3.4
CDC Meadow	96-	77	97	13	100	25	89-	12	96-	22	91-	5	M	81	203	3.9
CDC Spectrum A ☺	101	14	106	3	101	5	108	2	94	3	100	1	M	78	238	2.5
LGPN4903 A NR	101	14	104	3	106	5	96	2	99	3	86	1	M	83	235	3.2
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Amarillo)</b>																
AAC Peace River	92-	49	89-	8	93-	16	93	6	97	16	73	3	VE	68	217	3.8
Abarth ☺	98-	49	101	8	106	17	88-	7	94	14	89	3	M	77	249	3.6
CDC Inca ☺	104	28	101	5	98	7	112+	5	104	9	109	2	M	85	232	2.2
LN4228 ☺	93-	45	90-	8	95	13	89	7	95	14	93	3	M	69	254	2.1
<b>Fully tested varieties: 2012 - 2014 (Yield and agronomic data only directly compared to CDC Meadow)</b>																
<b>CDC Meadow (kg/ha)</b>	<b>4982</b>		<b>3943</b>		<b>4277</b>		<b>6160</b>		<b>5316</b>		<b>6689</b>					
<b>CDC Meadow</b>	<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>M</b>	<b>81</b>	<b>207</b>	<b>3.6</b>
CDC Saffron	103	47	110	8	103	16	99	7	101	13	101	3	M	84	236	4.3
Hugo ☼	93-	47	104	7	87-	15	91	8	96	14	80-	3	M	73	210	5.2
Stella ☼ NR F	80-	45	75-	7	80-	15	84-	8	80-	12	78-	3	M	95	213	3.9
<b>Fully tested varieties: 2003 - 2011 (Yield and agronomic data only directly comparable to Cutlass)</b>																
<b>Cutlass (kg/ha)</b>	<b>4485</b>		<b>3388</b>		<b>3503</b>		<b>5654</b>		<b>4816</b>		<b>3932</b>					
<b>Cutlass †</b>	<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>M</b>	<b>71</b>	<b>228</b>	<b>4.1</b>
Agassiz ☼	103	43	99	5	103	10	102	8	104	19	XX	XX	M	77	237	2.9
CDC Hornet	107+	43	99	6	111+	14	111+	8	102	13	128	2	M	89	215	3.7
CDC Prosper	97-	44	90	4	97	12	97	9	99	18	94	1	E	73	150	3.9
CDC Treasure	100	44	96	4	103	12	99	9	100	18	116	1	E	80	217	3.4
Thunderbird	97	37	88	5	99	10	99	9	98	13	XX	XX	M	76	229	2.1
<b>Fully tested varieties: 2000 - 2005 (Yield and agronomic data only directly comparable to Carrera)</b>																
<b>Carrera (kg/ha)</b>	<b>4126</b>		<b>2913</b>		<b>2779</b>		<b>5248</b>		<b>4681</b>		<b>4016</b>					
<b>Carrera</b>	<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>100</b>		<b>E</b>	<b>54</b>	<b>257</b>	<b>4.7</b>
CDC Golden	105	36	99	5	109	12	99	7	105	11	XX	XX	M	70	223	3.5

**REMARKS:** Stella is a silage type pea. All the yellow pea varieties listed in the table are Powdery Mildew resistant except Carrera that is susceptible. ▲ = Applied for PBR protection. A = First year entries (2017). NR = Variety not registered with CFIA. F = Forage type. XX = Insufficient data to describe. † = Flagged for removal. ☼ = Protected by the 1978 Act of the UPOV Convention. ☺ = Protected by the 1991 Act of the UPOV Convention.

<sup>1</sup>Maturity: E = early, M = medium, L = Late; <sup>2</sup>Thousand Seed Weight: g; <sup>3</sup>Standability: 1 = erect, 9 = flat; <sup>4</sup>Tolerance to: P = poor, F = fair, G = good, VG = very good; <sup>5</sup>Seed Coat Dimpling: VG = very good (0 - 5%), G = good (6 - 20%), F = fair (21 - 50%); <sup>6</sup>Green Seed Coat: G = good (0 - 10%), F = fair (11 - 25%).

# FIELD PEA – YELLOW — *CONT.*

Disease Tolerance:<sup>4</sup>

Variety	Mycosphaerella Blight	Fusarium Wilt	Seed Coat Breakage	Seed Coat Dimpling <sup>5</sup>	Green Seed Coat <sup>6</sup>
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to CDC Amarillo)</b>					
<b>CDC Amarillo (kg/ha)</b>					
<b>CDC Amarillo</b>	<b>F</b>	<b>G</b>	<b>F</b>	<b>F</b>	<b>G</b>
AAC Barrhead ☼	F	F	G	G	XX
AAC Carver ☼	F	F	G	G	XX
AAC Chrome A NR ▲	F	P	G	G	XX
AAC Lacombe ☼	F	P	G	F	G
CDC Athabasca A ☼	F	F	F	F	G
CDC Canary A NR ▲	F	F	G	F	G
CDC Meadow	F	F	G	G	G
CDC Spectrum A ☼	F	F	G	G	F
LGPN4903 A NR	F	G	XX	XX	XX
<b>Previously tested varieties (Yield and agronomic data only directly comparable to CDC Amarillo)</b>					
AAC Peace River	F	F	F	G	G
Abarth ☼	F	F	F	G	G
CDC Inca ☼	F	F	G	G	F
LN4228 ☼	F	F	F	F	G
<b>Fully tested varieties: 2012 - 2014 (Yield and agronomic data only directly compared to CDC Meadow)</b>					
<b>CDC Meadow (kg/ha)</b>					
<b>CDC Meadow</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>G</b>	<b>G</b>
CDC Saffron	F	F	G	F	G
Hugo ☼	F	F	G	F	F
Stella ☼ NR F	F	F	G	G	F
<b>Fully tested varieties: 2003 - 2011 (Yield and agronomic data only directly comparable to Cutlass)</b>					
<b>Cutlass (kg/ha)</b>					
<b>Cutlass †</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>G</b>
Agassiz ☼	F	F	G	VG	G
CDC Hornet	F	F	F	F	G
CDC Prosper	F	G	G	F	G
CDC Treasure	F	F	G	F	F
Thunderbird	F	F	G	VG	XX
<b>Fully tested varieties: 2000 - 2005 (Yield and agronomic data only directly comparable to Carrera)</b>					
<b>Carrera (kg/ha)</b>					
<b>Carrera</b>	<b>P</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>XX</b>
CDC Golden	F	F	G	G	G

## SOYBEANS

Variety	Irrigation:			Agronomic Characteristics:				
	Yield (%) Check <sup>1</sup>	Site Years Tested	Days to Flowering	Pod Clearance <sup>2</sup> (cm)	Plant Height (cm)	Relative Days to Maturity <sup>3</sup>	TSW <sup>4</sup> (g)	Seeds per Pound
<b>Varieties tested in the 2017 trials (Yield and agronomic data only directly comparable to McLeod)</b>								
<b>McLeod (kg ha<sup>-1</sup>)</b>	<b>3483</b>							
<b>McLeod</b>	<b>100</b>	<b>19</b>	<b>54</b>	<b>7</b>	<b>63</b>	<b>120</b>	<b>157</b>	<b>2889</b>
22-60	102	12	52	5	51	1	147	3086
Akras	113+	19	57	10	62	2	145	3128
CFS17.1.03 A	92	4	52	7	51	-6	168	2700
CFS17.1.04 A	104	4	53	7	42	3	166	2732
DKB0008-39 A	87-	4	50	6	49	1	150	3024
DKB003-29 A	107	4	52	6	47	4	174	2607
Dario A	95	4	50	5	47	-1	138	3287
Dylano A	89-	4	53	6	42	4	147	3086
Lono A	106	4	54	7	51	4	149	3044
Marduk A	95	4	52	5	49	5	182	2492
NSC Belmont A	91	4	53	6	51	3	162	2800
NSC Leroy A	86-	4	54	5	50	-8	151	3004
NSC Star City A	95	4	50	6	42	-5	134	3385
NSC Watson	96	8	52	4	52	-8	156	2908
S0009 - D6 A	95	4	52	5	45	-6	135	3360
S0009 - M2	102	12	50	5	57	-8	152	2984
S001	103	8	52	6	61	0	164	2766
S003	108+	8	51	6	56	-6	175	2592
S006	114+	8	50	5	54	-5	136	3335
S007	108+	12	51	5	56	0	149	3044
S008 A	110+	4	51	7	53	3	164	2766
TH37004	100	8	51	5	59	2	142	3194
TH87003 A	102	4	51	5	48	3	155	2926
TH88005 A	98	4	53	6	49	5	152	2984
Torro	92-	8	51	6	64	-3	150	3024
<b>Previously tested varieties (Yield and agronomic data only directly comparable to McLeod)</b>								
900Y61 ☼	90-	11	54	7	56	1	150	3024
NSC Moosomin	78-	11	53	6	49	-4	138	3287
NSC Reston	103	11	54	8	61	-2	128	3544
NSC Vito	89-	11	53	7	71	0	132	3436
P001T34 ☼	65-	11	53	5	46	-9	136	3335
Pekko	102	11	57	9	65	0	130	3489

**REMARKS:** Straight combining is commonly used method of harvest. Swathing soybean can result in excessive field losses (up to 25%) due to shattering. Approximately four beans or one to two pods per square foot represent a yield loss of one bushel per acre. Varieties removed from the table: 23-11, 23-60, Notus, Podaga, CFS 16.3.02. All four trials: Bow Island, Brooks, Lethbridge and Medicine Hat were grown under irrigation. A = first year entries (2017). ☼ = Protected by the 1978 Act of the UPOV Convention. ☺ = Protected by the 1991 Act of the UPOV Convention. <sup>1</sup>Yields are reported relative to McLeod, yields that are statistically higher (+) or lower (-) than the check are indicated. <sup>2</sup>Distance from the ground level to lowest pod tip. <sup>3</sup>Maturity is reported as +/- days relative to McLeod - averaged across the Brooks, Bow Island and Medicine Hat trials. <sup>4</sup>TSW: Thousand Seed Weight.