

Breeding Institutions and Seed Distributors of Varieties Listed in this Publication

DISTRIBUTOR CONTACT INFORMATION

Alliance Seed.....	1-877-270-2890 / allianceseed.com
CANTERRA SEEDS.....	204-988-9750 / canterra.com
Cargill.....	cargillgrows.ca
Corns Brothers.....	403-380-9586 / cornsbrothers.ca
Crop Development Centre – University of Saskatchewan	306-966-5855 / agbio.usask.ca/research/centres-and-facilities/crop-development-centre.php
FP Genetics.....	1-877-791-1045 / fpgenetics.ca
K3 Seeds.....	403-738-4517 / k3seeds.com
La Coop fédérée.....	(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/Nutrien Ag Solutions, 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
Solick Seeds Ltd.....	403-884-2358
SeedNet Inc.....	403-715-9771 / seednet.ca
Syngenta Canada.....	1-877-964-3682 / syngenta.ca
Wagon Wheel Seed Corporation.....	306-896-2236 / wagonwheelseeds.sk.ca

Variety	Breeding Institution	Distributor
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FEED AND FOOD BARLEY

TWO-ROW

Altorado	Highland Specialty Grains	Proven Seed/Nutrien Ag Solutions, Inc
Brahma	Westbred, LLC.	Proven Seed/Nutrien Ag Solutions, 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
Claymore	Highland Specialty Grains	Proven Seed/Nutrien Ag Solutions, Inc
CONLON	NDSU	Seed Depot
Gadsby	FCDC (Lacombe)	SeCan Members
Oreana	Highland Specialty Grains	Proven Seed/Nutrien Ag Solutions, Inc
Seebe	FCDC (Lacombe)	SeCan Members
Sirish	Syngenta AG	Syngenta Canada

SIX-ROW

AB Advantage	FCDC (Lacombe)	SeCan Members
AB Cattelac	FCDC (Lacombe)	Alliance Seed

AC Ranger	AAFC (Brandon)	FP Genetics
Amisk	FCDC (Lacombe)	SeCan Members
Chigwell	FCDC (Lacombe)	SeCan Members
Sundre	FCDC (Lacombe)	Mastin Seeds
Trochu	FCDC (Lacombe)	SeCan Members
Vivar	FCDC (Lacombe)	SeCan Members

HULLESS - FOOD AND FEED BARLEY

CDC Ascent	U of S - CDC	SeCan Members
Falcon	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 (hulless)	U of S - CDC	SeCan Members
CDC Churchill	U of S - CDC	SeCan Members
CDC Copeland	U of S - CDC	SeCan Members
CDC Copper	U of S - CDC	FP Genetics
CDC Fraser	U of S - CDC	SeCan Members
CDC Goldstar	U of S - CDC	CANTERRA SEEDS
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

Cerveza	AAFC (Brandon)	Mastin Seeds
Lowe	FCDC (Lacombe)	SeCan Members
Major	AAFC (Brandon)	Alliance Seed
Merit 57	Busch Ag Res. Inc.	CANTERRA SEEDS
Newdale	AAFC (Brandon)	FP Genetics

SIX-ROW

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

MILLING

AC Juniper	AAFC (Lacombe)	Mastin Seeds
AC Morgan	AAFC (Lacombe)	SeCan Members
Akina	Lantmannen SW Seed	La Coop Fédérée
CDC Arborg	U of S - CDC	FP Genetics
CDC Dancer	U of S - CDC	FP Genetics/Cargill
CDC Endure	U of S - CDC	Alliance Seed
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
CS Camden	Lantmannen SW Seed	CANTERRA SEEDS
Derby	U of S - CDC	Proven Seed/Mastin Seeds
Kara	Lantmannen SW Seed	La Coop Fédérée
ORe3541M	Oat Advantage	SeCan Members
ORe3542M	Oat Advantage	SeCan Members
Triactor	Lantmannen SW Seed	CANTERRA SEEDS

FEED

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

FORAGE

CDC Baler	U of S - CDC	FP Genetics
CDC Haymaker	U of S - CDC	SeCan Members

FALL RYE

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

TRITICALE - SPRING

AAC Delight	AAFC (Lethbridge)	Fabian Seeds Ltd.
AC Ultima	AAFC (Swift Current)	FP Genetics
Brevis	AAFC (Swift Current)	Wagon Wheel Seed Corp
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

TRITICALE - WINTER

Bobcat	FCDC (Lacombe)	Corns Brothers Farm
Louma	FCDC (Lacombe)	Corns Brothers Farm
Metzger	FCDC (Lacombe)	K3 Seeds

FLAX

AAC Bravo	AAFC (Morden)	FP Genetics
AAC Bright	AAFC (Morden)	SeCan Members
AAC Marvelous	AAFC (Morden)	FP Genetics
AAC Prairie Sunshine	AAFC (Morden)	SeCan Members
CDC Bethune	U of S - CDC	SeCan Members
CDC Buryu	U of S - CDC	SeCan Members
CDC Dorado	U of S - CDC	SeedNet
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 Rowland	U of S - CDC	SeCan Members
CDC Sanctuary	U of S - CDC	SeCan Members
CDC Sorrel	U of S - CDC	SeCan Members
Prairie Sapphire	AAFC (Morden)	Alliance Seed
Topaz	CPS Canada Inc.	Alliance Seed
VT50	CPS Canada Inc.	Proven Seed/Nutrien Ag Solutions, Inc
WestLin 60	CPS Canada Inc.	Proven Seed/Nutrien Ag Solutions, Inc
WestLin 71	CPS Canada Inc.	Proven Seed/Nutrien Ag Solutions, Inc
WestLin 72	CPS Canada Inc.	Proven Seed/Nutrien Ag Solutions, Inc

CANADA WESTERN AMBER DURUM

AAC Congress	AAFC (Swift Current)	CANTERRA SEEDS
AAC Grainland	AAFC (Swift Current)	SeCan Members
AAC Raymore	AAFC (Swift Current)	SeCan Members
AAC Spitfire	AAFC (Swift Current)	SeCan Members
AAC Stronghold	AAFC (Swift Current)	SeCan Members
AAC Succeed VB	AAFC (Swift Current)	FP Genetics
AC Navigator	AAFC (Swift Current)	Proven Seed/Nutrien Ag Solutions, Inc
Brigade	AAFC (Swift Current)	Proven Seed/Nutrien Ag Solutions, Inc
CDC Alloy	U of S - CDC	FP Genetics
CDC Carbide VB	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Credence	U of S - CDC	CANTERRA SEEDS
CDC Dynamic	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Fortitude	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Vivid	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
Strongfield	AAFC (Swift Current)	SeCan Members
Transcend	AAFC (Swift Current)	FP Genetics

CANADA WESTERN RED SPRING

AAC Alida VB	AAFC (Swift Current)	SeCan Members
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 Jatharia VB	AAFC (Winnipeg)	SeCan Members
AAC LeRoy VB	AAFC (Brandon)	Alliance Seed
AAC Magnet	AAFC (Brandon)	FP Genetics
AAC Pervail VB	AAFC (Winnipeg)	Alliance Seed
AAC Redberry	AAFC (Swift Current)	Alliance Seed
AAC Redwater	AAFC (Winnipeg)	SeCan Members
AAC Starbuck VB	AAFC (Swift Current)	SeCan Members
AAC Tisdale	AAFC (Swift Current)	SeCan Members
AAC Viewfield	AAFC (Swift Current)	FP Genetics
AAC Warman VB	AAFC (Brandon)	SeCan Members
AAC Wheatland VB	AAFC (Swift Current)	SeCan Members
Carberry	AAFC (Swift Current)	SeCan Members
Cardale	AAFC (Winnipeg)	Seed Depot
Coleman	U of Alberta	Lefsrud Seed
CDC Abound	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Adamant VB	U of S - CDC	FP Genetics
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/Nutrien Ag Solutions, Inc
CDC Landmark VB	U of S - CDC	FP Genetics
CDC Ortona	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Plentiful	U of S - CDC	FP Genetics
CDC Stanley	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Titanium VB	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
CDC Utmost VB	U of S - CDC	FP Genetics
CDC VR Morris	U of S - CDC	Proven Seed/Nutrien Ag Solutions, Inc
Glenn	NDSU	CANTERRA SEEDS
Go Early	U of Alberta	Mastin Seeds
Jake	U of Alberta	CANTERRA SEEDS
Parata	U of Alberta	SeCan Members
Muchmore	AAFC (Swift Current)	FP Genetics
Shaw VB	AAFC (Winnipeg)	SeCan Members
Stettler	AAFC (Swift Current)	SeCan Members
Superb	AAFC (Winnipeg)	SeCan Members
SY Gabbro	Syngenta Seeds Canada Inc.	Syngenta Canada
SY Chert VB	Syngenta Seeds Canada Inc.	Syngenta Canada
SY Obsidian	Syngenta Seeds Canada Inc.	Richardson Intl
SY Slate	Syngenta Seeds Canada Inc.	Syngenta Canada
SY Sovite	Syngenta Seeds Canada Inc.	Syngenta Canada
SY Torach	Syngenta Seeds Canada Inc.	Alliance Seed
Thorsby	U of Alberta	CANTERRA SEEDS

Tracker	U of Alberta	CANTERRA SEEDS
CANADA WESTERN HARD WHITE SPRING		
AAC Cirrus	AAFC (Swift Current)	FP Genetics
AAC Iceberg	AAFC (Winnipeg)	Alliance Seed
CDC Whitewood	U of S - CDC	SeCan Members
Snowbird	AAFC (Winnipeg)	FP Genetics
Whitehawk	AAFC (Winnipeg)	SeCan Members

CANADA PRAIRIE SPRING RED		
5700PR	Syngenta Seeds Canada Inc.	Proven Seed/Nutrien Ag Solutions, Inc
AAC Crossfield	AAFC (Winnipeg)	CANTERRA SEEDS
AAC Entice	AAFC (Winnipeg)	Proven Seed/Nutrien Ag Solutions, 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
CDC Terrain	U of S - CDC	FP Genetics
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
Alderon	KWS-UK	SeCan Members
Pasteur	Wiersum Plant Breeding	SeCan Members
Sparrow VB	KWS-UK	SeCan Members

CANADA WESTERN SOFT WHITE SPRING		
AAC Chiffon VB	AAFC (Lethbridge)	SeedNet Inc.
AAC Indus VB	AAFC (Lethbridge)	SeCan Members
AAC Paramount VB	AAFC (Lethbridge)	SeCan Members
AC Andrew	AAFC (Lethbridge)	SeCan Members
Sadash VB	AAFC (Lethbridge)	SeCan Members

CANADA NORTHERN HARD RED		
AAC Concord	AAFC (Swift Current)	CANTERRA SEEDS
AC Foremost	AAFC (Swift Current)	SeCan Members
Elgin ND	NDSU	FP Genetics
Harvest	AAFC (Winnipeg)	FP Genetics

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
CDC Buteo	U of S - CDC	SeCan Members
Emerson	AAFC (Lethbridge)	CANTERRA SEEDS
Moats	U of S - CDC	SeCan Members
Radiant	AAFC (Lethbridge)	CANTERRA SEEDS

CANADA WESTERN EXPERIMENTAL WINTER WHEAT		
AAC Icefield	AAFC (Lethbridge)	FP Genetics

CANADA WESTERN SPECIAL PURPOSE WINTER WHEAT		
Pintail	FCDC (Lacombe)	Mastin Seeds

CANADA WESTERN RED SPRING

Variety	Overall Station Years of Testing	Yield Category (% Carberry):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 55 (bu/ac)	Medium 55 – 80 (bu/ac)	High > 80 (bu/ac)	Mat. Rating (Days +/- of Carberry)	Pro-tein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut †	Bunt	Stripe Rust	Leaf Spots	FHB
												Ldg.	Sprt.					
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Carberry)																		
Carberry (bu/ac)	70	45	65	95														
Carberry ☼	126	100	100	100	100	104	13.9	63	40	84	Y	VG	F	MR	R	MR	MS	MR
AAC Alida VB ☼	45	101	98	103	99	0	0	63	41	88	Y	G	VG	R	I	MR	MS	MR
AAC Brandon ☼	35	105	XX	103	107	0	-0.3	63	41	85	Y	G	P	MR	S	MR	I	MR
AAC Jatharia VB ☼	45	106	96	110	105	0	-0.2	64	43	96	Y	F	G	S	MS	I	I	I
AAC LeRoy VB ☼	31	105	XX	106	105	0	-0.5	63	41	89	Y	G	G	XX	I	MR	MS	MR
AAC Magnet ☼	31	97	XX	99	97	-2	0.2	62	42	87	Y	G	F	XX	S	I	MS	MR
AAC Starbuck VB ☼	31	106	XX	106	108	0	-0.4	62	41	86	Y	G	F	MR	S	MR	S	MR
AAC Viewfield ☼	73	110	108	108	113	0	-0.4	64	40	80	Y	VG	G	S	MR	R	I	I
AAC Warman VB ☼	31	98	XX	97	99	-1	-0.3	62	40	97	Y	G	F	MR	S	MS	I	MR
AAC Wheatland VB ☼	31	107	XX	105	109	0	-0.5	63	41	85	Y	VG	G	R	MR	I	S	I
CDC Go	73	102	95	104	104	-1	-0.3	62	44	85	Y	G	P	MS	I	MS	S	MS
CDC Landmark VB ☼	59	106	100	106	107	-1	-0.1	63	43	86	Y	G	G	MR	MS	MR	I	I
CDC Ortona ☼	31	105	XX	105	106	-1	-0.7	63	36	91	N	VG	G	XX	S	R	XX	MS
Jake ☼	31	99	XX	96	102	-3	0.6	63	38	91	Y	G	XX	XX	MR	R	XX	I
Parata ☼	45	94	90	94	96	-4	0.8	63	39	89	Y	F	F	MR	S	MR	I	I
Stettler ☼	96	105	104	105	104	0	0.2	63	39	90	Y	G	G	R	MR	I	MS	I
SY Chert VB ☼	45	102	94	105	102	0	-0.2	63	40	90	Y	F	F	R	R	R	MS	MS
SY Gabbro ☼	31	107	XX	105	108	-1	-0.2	62	43	90	Y	VG	F	R	I	I	MS	I
SY Obsidian ☼	45	101	97	103	100	-1	-0.2	63	41	86	Y	VG	F	R	MS	MR	I	MR
SY Torach ☼	31	98	XX	98	99	-1	0.4	62	37	85	Y	VG	F	R	MS	MS	MS	MS
Tracker ☼	31	101	XX	103	103	-3	0.2	62	36	90	N	F	G	XX	S	R	XX	MR
Previously tested varieties																		
Carberry ☼	100	100	100	100	100	104	14.0	63	39	79	Y	VG	F	MR	R	MR	MS	MR
AAC Cameron VB ☼	42	109	100	118	107	-1	-0.6	62	44	94	Y	G	F	S	R	S	I	I
AAC Connerly ☼	42	99	93	103	102	-1	0	0	40	81	N	VG	G	MR	I	R	I	MR
AAC Elie ☼	41	107	104	113	105	0	-0.1	64	38	81	Y	G	F	I	I	MR	I	I
AAC Prevail † ☼	42	99	94	103	102	0	-0.6	0	39	96	Y	G	G	S	S	R	MS	I
AAC Redberry ☼	42	101	98	105	99	-3	-0.1	63	41	84	Y	G	G	R	I	R	MS	I
AAC Redwater* ☼	41	96	91	101	98	-3	0	64	35	87	Y	G	VG	MS	I	MR	MS	I
AAC Tisdale ☼	45	101	100	101	102	-1	0.4	63	42	88	Y	F	F	MR	MR	S	MS	MR
Cardale † ☼	41	98	95	100	98	-1	-0.3	63	37	84	Y	G	G	I	S	MS	MS	MR
Coleman	43	94	88	99	93	-3	0	64	37	93	Y	F	P	S	S	MR	I	MR
CDC Abound ☼	88	103	99	107	105	-1	-0.1	63	40	82	Y	G	F	I	I	MS	MS	S
CDC Adamant VB	45	104	97	106	104	-1	-0.1	63	39	83	Y	P	F	S	S	MS	MS	I
CDC Bradwell	42	101	97	105	101	0	-0.3	63	38	84	Y	VG	F	MR	R	MS	MS	I
CDC Hughes VB	45	103	102	103	103	-1	0	63	44	83	Y	G	G	MR	MS	I	I	I
CDC VR Morris † ☼	41	102	97	107	100	-2	-1.0	65	37	84	N	G	P	I	I	XX	I	MR
CDC Plentiful ☼	41	99	95	104	99	-2	-0.2	64	35	87	N	VG	P	R	I	MR	I	MR
CDC Stanley ☼	76	106	103	109	107	-1	-0.8	63	34	87	N	G	G	MR	S	I	I	MS
CDC Titanium VB ☼	41	101	99	106	96	-2	0.5	65	41	87	Y	G	P	MS	I	R	MS	MR
CDC Utmost VB ☼	53	105	105	105	107	-2	-0.2	64	36	85	N	G	G	MS	S	I	I	MS
Glenn ☼	61	97	96	96	101	-1	-0.2	65	36	85	Y	VG	F	I	I	MR	I	I
Go Early ☼	42	97	93	103	95	-4	0.3	0	40	93	Y	G	P	I	MR	I	S	I
Muchmore* ☼	53	103	104	102	107	0	-0.9	63	37	75	Y	VG	G	MR	R	MR	MS	MS
Shaw VB † ☼	53	105	104	105	107	-1	-0.9	63	37	92	N	G	G	S	MR	I	MS	MS
Superb † ☼	184	105	101	109	109	0	-0.4	62	42	85	Y	G	F	I	MR	S	S	MS
SY Slate ☼	42	101	98	106	99	-1	0.2	62	41	85	Y	F	P	MS	S	MR	MS	I
SY Sovite ☼	45	97	98	100	95	0	0.2	62	43	89	Y	F	F	R	MS	R	MR	MR
Thorsby ☼	43	99	90	106	99	-2	-0.5	64	38	89	N	G	F	I	S	R	MS	I

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. * Effective August 1, 2021 the Canadian Grain Commission will designate AAC Redwater and Muchmore to the CNHR wheat class. For more information see the Canadian Grain Commission website www.grainscanada.gc.ca. 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 has a solid stem that confers resistance to the wheat stem sawfly. CDC Landmark VB and CDC Hughes VB have a semi-solid stem. 5604HR CL, 5605HR CL, CDC Abound, CDC Imagine, CDC Thrive and WR589 CL are tolerant to the CLEARFIELD® herbicides Adrenalin SC and Altitude FX. VB - designates a varietal blend to preserve the Sm1 orange wheat blossom midge tolerance gene. New CWRS registrations: Bolles, AAC Broadacres (BW5028), AAC Russell (PT252), BW1064, BW5031, Daybreak (BW5056), CS11200104-11, CS11200214-17, Eilerslie (PT784), PT598, PT652, Rednet (PT783); insufficient data to describe: Bolles, AAC Broadacres, AAC Russell, BW1064, BW5031, Daybreak (BW5056), PT598, PT652, Rednet. XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

CANADA WESTERN HARD WHITE SPRING

Variety	Overall Station Years of Testing	Yield Category (% Carberry):				Agronomic Characteristics:								Disease Tolerance:				
		Overall Yield	Low < 55 (bu/ac)	Medium 55 – 80 (bu/ac)	High > 80 (bu/ac)	Mat. Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut †	Bunt	Stripe Rust	Leaf Spots	FHB
												Ldg.	Sprt.					
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Carberry)																		
Carberry (bu/ac) ☼		70	45	65	95													
Carberry	126	100	100	100	100	104	13.9	63	40	80	Y	VG	F	MR	R	MR	MS	MR
AAC Cirrus ☼	45	101	93	101	103	-1	0.1	63	36	86	Y	VG	F	MR	I	R	R	I
Previously tested varieties																		
Carberry ☼		100	100	100	100	104	14.0	63	39	79	Y	VG	F	MR	R	MR	MS	MR
AAC Iceberg ☼	39	97	92	101	102	-1	-0.7	64	39	86	Y	G	P	MS	I	MR	MS	I
CDC Whitewood †	43	100	95	106	96	-1	-0.9	64	38	87	Y	G	G	S	S	I	MS	I
Snowbird ☼	94	94	91	97	94	-1	-0.2	62	36	89	N	G	G	MR	MS	MS	S	I
Whitehawk ☼	42	100	99	101	100	-2	-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. 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 2021.

CANADA PRAIRIE SPRING RED

Variety	Overall Station Years of Testing	Yield Category (% Carberry):				Agronomic Characteristics:								Disease Tolerance:				
		Overall Yield	Low < 55 (bu/ac)	Medium 55 - 80 (bu/ac)	High > 80 (bu/ac)	Maturity Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut †	Bunt	Stripe Rust	Leaf Spots	FHB
												Ldg.	Sprt.					
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Carberry)																		
Carberry (bu/ac)		73	41	63	93													
Carberry ☼	76	100	100	100	100	104	13.8	63	40	79	Y	VG	F	MR	R	MR	MS	MR
AAC Penhold ☼	63	112	108	112	114	-2	-1	63	44	73	Y	VG	G	I	R	MR	I	MR
CDC Terrain ☼	63	114	117	114	114	0	-1.3	61	44	87	Y	G	G	MR	MR	R	I	MS
Previously tested varieties																		
Carberry ☼		100	100	100	100	0	13.9	63	40	79	Y	VG	F	MR	R	MR	MS	MR
5700PR ☼	117	110	108	113	109	-1	-1.8	62	42	75	Y	VG	F	MS	R	MS	MS	MS
AAC Crossfield ☼	43	115	115	113	118	-1	-1.1	62	42	80	Y	G	P	MS	I	R	I	I
AAC Entice ☼	47	108	102	108	111	-1	-0.7	62	41	78	Y	G	P	MS	S	R	MS	I
AAC Foray VB ☼	41	121	117	123	123	0	-1.6	63	51	85	Y	G	G	MS	I	MR	MS	I
AAC Goodwin ☼	48	115	112	116	117	-1	-0.5	63	41	83	Y	VG	G	MS	MS	R	I	I
AAC Ryley † ☼	37	111	108	112	110	-1	-0.5	60	48	82	Y	G	G	I	R	S	MS	MS
SY Rowyn ☼	47	106	102	109	105	-1	-0.9	62	36	77	Y	G	F	I	S	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. Several CPSR varieties will be reclassified to the CNHR wheat class. AC Foremost, AC Taber, Conquer and Oslo were reclassified on August 1, 2018 and AC Crystal was reclassified on August 1, 2019. For more information see the Canadian Grain Commission website www.grainscanada.gc.ca. 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: Accelerate (HY2077) and HY2068. Insufficient data to describe: AAC Castle VB, Accelerate and HY2068. XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

CANADA NORTHERN HARD RED

Variety	Overall Station Years of Testing	Yield Category (% Carberry):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 55 (bu/ac)	Medium 55 - 80 (bu/ac)	High > 80 (bu/ac)	Maturity Rating (Days +/- Carberry)	Pro-tein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut [†]	Bunt	Stripe Rust	Leaf Spots	FHB
												Ldg.	Sprt.					
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Carberry)																		
Carberry (bu/ac)		73	41	63	93													
Carberry ☼	76	100	100	100	100	104	13.8	63	40	80	Y	VG	F	MR	R	MR	MS	MR
AC Foremost ☼	50	112	109	111	113	-1	-1.6	62	42	75	Y	VG	F	I	R	S	MS	S
Previously tested varieties																		
Carberry ☼		100	100	100	100	104	13.9	63	39	79	Y	VG	F	MR	R	MR	MS	MR
AAC Concord [†] ☼	45	103	103	104	103	-1	-0.8	62	41	87	N	F	F	I	MR	R	I	MS
Elgin ND [†] ☼	43	110	112	112	107	-1	-0.8	63	38	87	Y	G	F	XX	S	MR	I	I
Harvest [†]	118	96	92	96	100	-1	-0.3	62	36	84	N	VG	VG	MR	S	MR	MS	S

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 were reclassified to this new CNHR class, effective August 1, 2018. The CWRS variety is Harvest, the CPSR variety is AC Foremost. For more information see the Canadian Grain Commission website www.grainscanada.gc.ca. 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. XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

CANADA WESTERN SOFT WHITE SPRING

Variety	Overall Station Years of Testing	Yield Category (% AC Andrew):			Agronomic Characteristics:								Disease Tolerance:					
		Overall Yield	Low < 65 (bu/ac)	Medium 65 - 100 (bu/ac)	High > 100 (bu/ac)	Maturity Rating (Days +/- Carberry)	Pro-tein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut [†]	Bunt	Stripe Rust	Leaf Spots	FHB
												Ldg.	Sprt.					
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to AC Andrew)																		
AC Andrew (bu/ac)		88	53	86	123													
AC Andrew	166	100	100	100	100	105	10.9	62	40	80	Y	VG	P	S	S	I	MS	I
Carberry - ☼	68	79	79	82	76	-1	2.9	63	40	79	Y	VG	F	MR	R	MR	MS	MR
AAC Paramount VB ☼	44	102	XX	106	101	0	0.1	61	41	87	Y	VG	P	MR	S	R	I	MS
Sadash VB ☼	90	105	108	105	103	0	-0.1	63	40	83	Y	VG	P	I	S	R	I	S
Previously tested varieties																		
AC Andrew		100	100	100	100	105	10.9	62	40	80	Y	VG	P	S	S	I	MS	I
AAC Chiffon VB ☼	39	104	106	105	101	0	-0.4	62	46	88	Y	G	P	S	S	MR	I	S
AAC Indus VB ☼	39	104	96	108	105	2	-0.2	61	42	87	Y	VG	P	S	MS	R	MS	MS

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. In addition to traditional markets, SWS wheat varieties may have demand as a feedstock for ethanol production. 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. XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

CANADA WESTERN SPECIAL PURPOSE

Variety	Yield Category (Carberry):					Agronomic Characteristics:							Disease Tolerance:					
	Overall Station Years of Testing	Over-all Yield	Low < 55 (bu/ac)	Medium 55 - 80 (bu/ac)	High > 80 (bu/ac)	Maturity Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Awns (Y/N)	Resistance to:		Loose Smut †	Bunt	Stripe Rust	Leaf Spots	FHB
												Ldg.	Sprt.					
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Carberry)																		
Carberry (bu/ac)	75	36	58	87														
Carberry ☼	68	100	100	100	100	104	13.8	63	40	80	Y	VG	F	MR	R	MR	MS	MR
Pasteur	44	130	XX	XX	132	3	-1.9	63	41	83	N	VG	G	MS	S	MR	I	I
Previously tested varieties																		
Carberry ☼		100	100	100	100	104	14	63	40	79	Y	VG	F	MR	R	MR	MS	MR
AAC Awesome VB ☼	41	135	XX	134	139	0	-2.5	62	44	89	Y	G	P	I	I	R	I	I
AAC Innova † ☼	38	128	XX	126	130	1	-3.4	60	41	82	Y	G	P	S	S	R	I	S
Alderon ☼	41	135	XX	122	143	4	-2.8	58	41	74	N	VG	F	XX	MS	MR	I	MS
Sparrow VB	41	136	XX	130	141	4	-2.6	60	41	79	N	VG	G	XX	I	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. 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 CWSP registration and insufficient data to describe: WPB Whistler (GP214). XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

CANADA WESTERN AMBER DURUM

Variety	Yield Category (% Strongfield):					Agronomic Characteristics:							Disease Tolerance:					
	Overall Station Years of Testing	Over-all Yield	Low < 45 (bu/ac)	Medium 45 - 70 (bu/ac)	High > 70 (bu/ac)	Maturity Rating (Days +/- Strongfield)	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to:		Loose Smut †	Bunt	Stripe Rust	Leaf Spots	FHB	
											Ldg.	Sprt.						
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Strongfield)																		
Strongfield (bu/ac) ☼	64	34	59	94														
Strongfield	162	100	100	100	100	107	14.3	63	45	84	F	F	S	I	MR	MS	S	
AAC Grainland	11	100	XX	XX	XX	1	-0.2	62	43	82	F	G	R	R	R	MS	MS	
AAC Stronghold ☼	17	101	XX	XX	XX	2	-0.6	62	47	81	VG	G	R	I	MR	I	MS	
AAC Succeed VB ☼	19	106	110	XX	100	0	0.2	63	45	83	F	F	R	R	I	MS	MS	
Brigade ☼	88	103	104	103	101	3	-0.6	63	47	87	G	F	MS	R	MR	I	MS	
CDC Alloy ☼	25	101	108	XX	99	1	0.1	63	43	84	F	F	I	R	R	MS	MS	
CDC Credence ☼	19	104	105	XX	101	1	-0.3	63	42	86	F	F	MR	R	MR	I	MS	
Transcend ☼	54	100	100	102	98	2	0.5	63	44	88	F	F	S	R	R	I	MS	
Previously tested varieties																		
Strongfield ☼	100	100	100	100	100	107	14.3	63	45	84	F	F	S	I	MR	MS	S	
AAC Congress ☼	23	104	109	100	104	1	-0.3	63	44	81	F	P	MR	R	R	MS	MS	
AAC Raymore ☼	34	97	99	98	94	-1	0.8	62	47	82	F	F	MS	MR	MR	I	S	
AAC Spitfire ☼	25	97	100	96	XX	0	-0.4	61	46	82	G	P	MS	R	R	MS	S	
AC Navigator	65	95	102	93	93	2	XX	63	45	77	G	G	S	R	R	S	S	
CDC Carbide VB ☼	25	100	104	100	XX	0	0	62	45	85	G	P	MS	R	R	MS	MS	
CDC Dynamic ☼	21	96	94	97	96	0	0.6	62	43	81	F	F	I	R	MR	I	MS	
CDC Fortitude ☼	32	102	102	102	103	1	-0.6	63	45	81	G	F	MS	R	R	MS	MS	
CDC Vivid ☼	34	100	104	99	98	-1	0.1	62	45	83	G	F	I	R	MR	I	S	

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. Durum varieties are generally more susceptible to Fusarium Head Blight than CWRS wheat varieties. AAC Grainland, AAC Raymore, AAC Stronghold 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 and insufficient data to describe: AAC Donlow (DT890), AAC GoldNet (DT887), CDC Defy (DT1004) and DT591. XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

MALTING 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)	Med. 75 - 100 (bu/ac)	High 100 - 125 (bu/ac)	V. High > 125 (bu/ac)	Maturity Rating (Days +/- AC Metcalfe)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Loose Smut	Other Smuts	Root Rot [†]	Scald	Net Blotch:		
					Spot form	Net form	FHB													
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to AC Metcalfe)																				
AC Metcalfe (bu/ac)				101	60	88	109	137												
AC Metcalfe	2	R	552	100	100	100	100	100	97	52	46	79	F	R	I	I	S	I	S	I
AAC Connect ☺	2	R	56	104	XX	108	102	105	0	51	50	80	G	S	R	MS	S	MR	I	MR
AAC Synergy ☺	2	R	83	113	119	114	111	113	1	52	49	79	F	S	I	I	S	R	MR	I
CDC Churchill ☺	2	R	29	114	XX	XX	115	113	1	52	48	81	G	MS	MR	XX	S	MR	MR	MS
CDC Copeland ☺	2	R	151	103	98	104	104	105	1	51	48	83	F	MS	I	I	S	I	I	I
CDC Copper ☺	2	R	29	113	XX	XX	112	110	1	51	49	80	G	I	MR	XX	MR	MR	MR	MS
CDC Goldstar ☺	2	R	41	110	XX	XX	106	111	0	53	49	86	G	I	R	XX	S	MR	I	MS
Previously tested varieties																				
AC Metcalfe	2	R		100	100	100	100	100	97	52	46	79	F	R	I	I	S	I	S	I
Bentley ☺	2	R	77	105	109	102	105	106	2	52	47	81	G	MS	MR	MR	S	R	MS	I
CDC Bow ☺	2	R	42	104	XX	106	105	104	1	51	48	77	VG	S	I	MS	MS	MR	S	MS
CDC Clear (hullless) ☺	2	R	43	95	XX	92	100	XX	2	62	47	85	G	R	R	I	S	R	MS	MR
CDC Fraser ☺	2	R	39	109	XX	114	110	108	1	51	49	76	G	R	MR	MS	MS	MR	MR	I
CDC Kindersley [†] ☺	2	R	47	104	XX	102	104	104	-1	53	43	78	G	S	R	I	S	MR	MS	I
CDC Meredith [†] ☺	2	R	65	107	102	108	108	107	2	51	46	76	F	R	MR	MR	S	R	S	I
CDC PlatinumStar ☺	2	R	42	106	XX	108	107	102	1	53	49	82	F	R	R	S	S	MR	I	MR
Cerveza ☺	2	R	49	109	XX	109	108	109	1	51	46	74	F	R	R	I	S	MR	MS	I
Lowe ☺	2	R	42	111	XX	113	117	106	3	51	50	87	F	R	R	XX	MR	MR	I	MR
Merit 57 [†] ☺	2	R	87	109	110	108	109	111	4	51	44	79	F	MS	S	I	MS	MR	MS	MS
Newdale ☺	2	R	94	105	106	104	105	106	0	52	46	73	F	S	MR	MR	MS	MR	I	I
Legacy	6	SS	122	99	93	95	102	103	-1	49	39	82	G	I	MR	MR	S	MR	S	MS

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. 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 2019-2020 CMBTC Recommended Malt Barley Variety List for more information. CDC Clear is a hullless malting variety. XX - Insufficient data to describe. [†] - Flagged for possible removal in 2021.

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)	Med. 75-100 (bu/ac)	High 100-125 (bu/ac)	V. High > 125 (bu/ac)	Mat. Rating (+/- to AC Metcalfe)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Ldg.	Loose Smut	Other Smuts	Root Rot*	Scald	Spot form	Net form	FHB
					101	60	88	109	137	97	52	46	79	F	R	I	I	S	I	S
GENERAL PURPOSE																				
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to AC Metcalfe)																				
AC Metcalfe (bu/ac)																				
AC Metcalfe	2	R	552	100	100	100	100	100	97	52	46	79	F	R	I	I	S	I	S	I
AB Advantage ☺	6	S	29	113	XX	XX	108	119	2	51	49	105	G	MR	I	XX	I	I	MS	S
AB Cattlelac ☺	6	SS	29	108	XX	XX	104	112	1	51	45	98	G	I	R	XX	I	MR	MS	S
Altorado ☺	2	R	68	112	XX	119	109	114	1	52	49	77	G	MR	MR	MR	S	MR	S	I
CDC Austenson ☺	2	R	106	113	110	113	111	115	3	53	48	80	G	S	R	I	S	R	MS	I
Claymore ☺	2	R	83	114	107	114	111	117	2	52	47	80	G	S	R	I	S	I	S	MR
Oreana ☺	2	R	83	111	105	110	113	111	3	53	51	67	VG	S	R	I	S	MR	S	S
Previously tested varieties																				
AC Metcalfe	2	R		100	100	100	100	100	97	52	46	79	F	R	I	I	S	I	S	I
Brahma ☺	2	R	87	111	112	109	113	111	1	53	47	74	G	MS	R	MR	S	I	I	I
Busby ☺	2	R	45	104	107	103	106	103	-1	53	49	78	G	S	MR	S	I	MR	MS	I
CDC Coalition ☺	2	R	57	110	107	112	108	109	2	53	47	74	G	R	R	I	S	MR	S	I
CDC Cowboy ☺	2	R	75	95	107	94	93	96	2	52	55	103	F	MS	MR	I	MS	MR	I	MR
CDC Maverick ☺	2	S	43	95	XX	90	97	96	2	54	55	98	F	S	R	I	MS	MR	I	MR
CDC Trey	2	R	106	103	101	105	101	105	0	52	50	80	G	MS	R	MR	MS	R	I	I
Canmore ☺	2	R	40	107	XX	104	111	108	1	52	49	73	G	R	R	I	MR	MR	MS	I
CONLON ☺	2	S	63	94	97	93	93	96	-3	52	52	80	G	I	I	MR	S	MR	I	MR
Gadsby ☺	2	R	45	112	XX	114	114	108	1	53	51	83	F	R	R	I	R	MR	MS	I
Seebe ⁺ ☺	2	R	229	101	97	100	102	100	4	52	50	86	G	S	R	I	MR	MS	S	MR
Sirish ☺	2	R	42	112	XX	114	110	113	2	51	49	69	G	S	R	XX	MR	MS	MS	MS
AC Ranger	6	S	48	107	101	99	118	107	2	49	43	74	F	MS	I	MR	MS	MR	I	S
Amisk ☺	6	SS	40	105	XX	105	104	108	1	49	46	69	VG	S	MS	MS	I	MR	I	S
Chigwell ☺	6	S	43	104	XX	98	106	111	1	49	41	76	G	MS	MR	MS	MR	MR	I	S
Sundre ☺	6	S	72	110	100	105	112	117	2	51	43	86	G	MS	R	MS	R	I	S	S
Trochu ☺	6	S	136	107	101	102	109	112	-1	49	41	78	G	MS	MR	MR	I	MR	S	I
Vivar ☺	6	R	175	109	97	105	109	115	-1	0	44	73	VG	I	R	MR	I	MR	R	S
HULLLESS																				
Previously tested varieties (Yield and agronomic data only directly comparable to AC Metcalfe)																				
CDC Ascent ☺	2	R	42	97	XX	108	93	94	1	60	44	82	G	MR	MR	I	MS	MR	S	MR
Falcon ⁺	6	S	181	83	72	83	91	89	-2	58	35	68	VG	MS	MR	I	I	I	I	S

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. 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. Falcon is a normal starch barley suitable for food use. XX - Insufficient data to describe. + - Flagged for possible removal in 2021.

OAT

Variety	Overall Station Years of Testing	Overall Yield	Yield Category (% CDC Dancer):				Agronomic Characteristics:					
			Low < 70 (bu/ac)	Medium 70 - 100 (bu/ac)	High 100 - 130 (bu/ac)	V. High > 130 (bu/ac)	Maturity Rating (Days +/- CDC Dancer)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Tolerance to Smuts
MILLING												
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to CDC Dancer)												
CDC Dancer (bu/ac)		101	48	84	110	150						
CDC Dancer ☼	173	100	100	100	100	100	98	41	37	106	G	R
CDC Arborg ☼	35	118	XX	XX	126	114	2	41	41	109	VG	R
CDC Endure ☼	24	117	XX	XX	124	113	2	41	41	110	VG	R
CDC Ruffian ☼	62	110	110	110	115	106	4	41	40	97	G	R
CS Camden ☼	51	111	XX	109	113	108	2	40	40	97	VG	I
ORe3541M ☼	35	103	XX	XX	107	102	1	41	41	101	VG	R
ORe3542M ☼	35	106	XX	XX	111	103	2	40	42	99	VG	R
Previously tested varieties												
CDC Dancer ☼		100	100	100	100	100	98	41	37	106	G	R
AC Juniper †	80	104	102	104	106	105	0	41	38	104	VG	I
AC Morgan	86	113	114	110	117	114	3	40	41	0	VG	I
Akina ☼	30	109	XX	103	114	111	3	40	39	99	VG	R
CDC Minstrel ☼	61	104	103	103	105	105	4	39	38	102	VG	R
CDC Norseman ☼	27	101	XX	100	101	XX	0	41	38	107	G	MS
CDC Orrin † ☼	52	109	113	107	107	XX	3	41	40	106	G	R
CDC Seabiscuit † ☼	30	111	124	106	108	108	3	39	41	103	G	MR
Derby †	79	101	103	102	96-	105	4	41	39	109	G	MS
Kara ☼	33	111	XX	102	116	110	3	41	41	0	VG	MR
Triactor † ☼	47	110	109	108	114	110	3	38	38	102	G	R
FEED												
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to CDC Dancer)												
AC Mustang	60	114	120	115	114	110	3	42	38	116	G	I
Previously tested varieties												
CDC Nasser	31	116	132	107	115	110	4	39	36	107	G	MR
FORAGE												
Previously tested varieties												
CDC Dancer ☼		100	100	100	100	100	98	41	37	106	G	R
CDC Baler	42	99	96	106	96	XX	4	40	43	109	XX	S
CDC Haymaker	28	104	XX	103	105	XX	4	39	40	110	F	MR

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. A review of historical data (2004-2018) has shown that the long-term average height for CDC Dancer is 106 cm and is a more accurate representation relative to more recent varieties. 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 registration and insufficient data to describe: CDC Skye (OT3097). XX - Insufficient data to describe. † - Flagged for possible removal in 2021.

SPRING TRITICALE

Variety	Overall Station Years of Testing	Overall Yield	Yield Category (% Brevis):				Agronomic Characteristics:						Disease Tolerance:							
			Low < 70 (bu/ac)	Medium 70 - 100 (bu/ac)	High 100 - 130 (bu/ac)	V. High > 130 (bu/ac)	Maturity Rating (Days +/- Brevis)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to:									
															Ldg.	Sprt.	Ergot	Stripe Rust	Bunt	FHB
Previously tested varieties (Yield and agronomic data only directly comparable to Brevis)																				
Brevis (bu/ac)		106	60	89	123	156														
Brevis	81	100	100	100	100	100	107	60	46	93	G	F	MR	MR	R	I				
AAC Delight ☼	34	97	86	104	97	96	1	58	53	97	G	P	MR	R	R	I				
AC Ultima	142	79	89	95	94	92	-1	57	45	96	G	F	MS	MR	R	I				
Bunker ☼	49	71	78	88	87	XX	0	57	48	107	F	F	MS	MR	R	I				
Pronghorn	120	80	89	96	97	93	0	55	43	98	G	F	I	MR	R	MR				
Sunray	48	90	91	90	88	XX	-1	57	45	94	VG	F	MR	MR	R	MS				
Taza ☼	48	89	90	91	88	XX	1	57	47	100	G	F	I	MR	R	S				
Tyndal ☼	55	80	92	94	92	88	1	57	44	97	G	P	I	MR	R	MS				

Remarks: Brevis yields about 25% more than Carberry (CWRS wheat) in areas of adaptation. AAC Delight, Bunker, Taza, and Tyndal have heads with reduced-awns which may be beneficial when harvested as forage or silage. New registrations and insufficient data to describe: T256, T267 and T270. XX - Insufficient data to describe.

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)	Maturity Rating (Days +/- CDC Bethune)	Seed Colour	Seed Size	Height (cm)	Resistance to Lodging	Fusarium Wilt	Powdery Mildew	Oil Content (%)	ALA Content (%)	Iodine Value
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to CDC Bethune)																
CDC Bethune (bu/ac)		32	14	26	33	48										
CDC Bethune ☼	133	100	100	100	100	100	107	brown	M	58	G	MR	MR	46	55	189
AAC Bright ☼	14	97	XX	XX	XX	XX	2	yellow	S	65	VG	MR	XX	48	55	191
AAC Marvelous ☼	24	107	XX	107	XX	104	2	brown	M	62	G	MR	MR	47	56	192
AAC Prairie Sunshine ☼	21	99	XX	XX	XX	96	2	brown	M	63	VG	MR	MR	48	57	193
CDC Dorado ☼	14	95	XX	XX	XX	XX	-1	yellow	L	58	G	MR	MR	45	64	204
CDC Glas ☼	37	108	XX	XX	108	106	1	brown	M	63	G	MR	MR	46	57	192
CDC Rowland ☼	24	113	XX	XX	XX	109	3	brown	L	62	G	MR	MR	45	59	195
Previously tested varieties																
CDC Bethune ☼		100	100	100	100	100	0	brown	M	58	G	MR	MR	46	55	189
AAC Bravo ☼	23	104	XX	XX	XX	105	1	brown	L	64	G	MR	MR	45	60	194
CDC Buryu ☼	26	100	97	104	99	97	1	brown	L	57	G	MR	MR	46	56	193
CDC Neela ☼	24	109	108	116	108	XX	1	brown	M	55	G	MR	MR	46	59	194
CDC Plava ☼	34	101	98	109	101	93	-2	brown	M	53	G	MR	XX	47	57	196
CDC Sanctuary ⁺ ☼	27	106	112	99	XX	104	3	brown	M	64	G	MR	MR	46	57	191
CDC Sorrel ☼	32	104	112	104	100	99	1	brown	L	61	F	MR	MR	45	58	193
Prairie Sapphire ☼	23	96	XX	XX	XX	100	2	brown	M	64	G	MR	MR	48	57	193
Topaz ☼	26	101	104	100	97	105	0	brown	M	55	G	MR	MR	47	55	189
VT50 ☼	24	103	XX	109	104	97	4	yellow	S	51	VG	MR	XX	47	68	209
WestLin 60 ⁺ ☼	24	100	100	105	XX	98	-1	brown	M	50	G	MR	XX	46	60	198
WestLin 71 ⁺ ☼	25	95	99	91	XX	94	2	brown	M	56	G	MR	MS	48	61	198
WestLin 72 ☼	26	100	96	106	103	94	3	brown	S	53	VG	MR	MR	47	57	193

Remarks: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. All varieties are immune to flax rust. XX - Insufficient data to describe. ⁺ Flagged for possible removal in 2021.

WINTER WHEAT

CANADA WESTERN RED WINTER

Variety	Overall Station Years of Testing	Overall Yield (bu/ac)	Yield Category (% Radiant)				Winter Survival	Agronomic Characteristics:					Disease Tolerance:					
			Low < 45 (bu/ac)	Medium 45 - 75 (bu/ac)	High 75 - 105 (bu/ac)	V. High > 105 (bu/ac)		Mat. Rating	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Stripe Rust	Leaf Rust	Stem Rust	Bunt	FHB
Yield, significant differences and agronomic data only directly comparable to Radiant																		
Radiant (bu/ac)		76	37	63	87	112												
Radiant		100	100	100	100	100	VG	220	12.0	63	36	90	VG	S	S	S	S	S
AAC Elevate	106	106	104	107	107	99	G	-1	+0.3	63	39	84	VG	MS	I	MR	MR	I
AAC Gateway	86	100	XX	98	102	101	F	-2	+0.9	63	33	77	VG	MR	I	MR	S	I
AAC Goldrush	40	102	XX	99	104	XX	VG	-1	+0.5	63	34	86	G	I	R	MR	S	I
AAC Wildfire	54	113	XX	116	113	111	VG	+2	+0.3	64	38	86	G	R	I	S	MR	MR
AC Tempest ⁺	117	97	96	97	96	99	P	+2	+1.5	63	37	91	VG	MR	S	S	MS	I
CDC Buteo ⁺	220	96	94	97	96	101	VG	-2	+0.3	65	34	91	F	S	I	I	S	MR
Emerson	103	98	103	95	99	92	G	-1	+0.7	64	30	86	G	MR	I	R	S	R
Moats	107	105	99	102	107	104	G	-1	+0.7	64	33	91	F	MR	MR	R	MS	S

CANADA WESTERN EXPERIMENTAL

Yield, significant differences and agronomic data only directly comparable to Radiant																		
AAC Icefield	50	103	XX	100	107	XX	F	-1	-0.6	63	32	82	VG	MR	MR	R	S	I

CANADA WESTERN SPECIAL PURPOSE

Yield, significant differences and agronomic data only directly comparable to Radiant																		
Pintail	79	108	XX	109	109	XX	VG	-1	-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 220 days after January 1 (August 9) and is considered to be late maturing. 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 tolerance to some biotypes of Russian wheat aphid. Radiant, AAC Wildfire and AC Tempest express bronze chaff at maturity. AAC Icefield, a hard white winter wheat now fully registered, is 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. New registrations: W569 (CWRW). Insufficient data to describe: W569. ⁺ Flagged for possible removal in 2021.

FALL RYE

Variety	Hybrid or OP Variety	Overall Station Years of Testing	Overall Yield	Yield Category (% Hazlet)				Winter Survival	Agronomic Characteristics:				
				Low < 48 (bu/ac)	Medium 48 - 80 (bu/ac)	High 80 - 112 (bu/ac)	V. High > 112 (bu/ac)		Test Weight (lb/bu)	TKW (g)	Falling Number (sec)	Height (cm)	Resistance to Lodging
Yield, significant differences and agronomic data only directly comparable to Hazlet													
Hazlet (bu/ac)			100	45	63	92	135						
Hazlet	OP	61	100	100	100	100	100	EX	59	39	147	107	G
Brassetto	Hybrid	20	123	XX	XX	XX	120	EX	59	36	246	104	VG
Guttino	Hybrid	20	120	XX	XX	XX	120	EX	60	36	279	101	VG
KWS Bono	Hybrid	31	136	XX	XX	132	132	EX	58	33	260	98	VG
KWS Daniello	Hybrid	18	125	XX	XX	XX	127	VG	59	34	266	100	G
KWS Gatano	Hybrid	21	130	XX	XX	126	124	VG	58	32	252	97	F
Prima	OP	52	93	91	88	97	92	EX	58	33	192	119	F

REMARKS: For explanations on data summarization methods, abbreviations and other pertinent information, please see the comments at the beginning of this publication. 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 KWS Daniello and KWS 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. New registration: KWS Trebiano (RT240). XX - Insufficient data to describe.



2019 CPT SMALL PLOT DATA – Straight Cut Trials

Season Zone Averages (Straight Cut Trials)																		
Distributor	Variety	Disease Tolerance ¹	Long Season Zone (5 locations)				Mid Season Zone (5 locations)				Short Season Zone (2 locations)				Overall Average (12 locations)			
			Yield (bu/ac)	Yield (% L233P)	Days to maturity	Height (in.)	Yield (bu/ac)	Yield (% L233P)	Days to maturity	Height (in.)	Yield (bu/ac)	Yield (% L233P)	Days to maturity	Height (in.)	Yield (bu/ac)	Yield (% L233P)	Days to maturity	Height (in.)
LibertyLink																		
BASF - InVigor	L233P	BL	55	100	93	48	73	100	105	50	75	100	117	54	66	100	102	50
BASF - InVigor	L234PC	BL/CR	54	98	93	48	68	93	105	48	72	96	117	53	63	96	102	49
BASF - InVigor	L255PC	BL/CR	56	103	94	48	73	99	107	48	74	99	118	52	66	100	104	49
	LSD		6	11			6	7			7	9		6	9			
Roundup Ready																		
DEKALB	75-65 RR	BL	53	96	92	48	66	91	105	48	73	98	117	53	62	94	102	49
Proven Seed/Nutrien Ag Solutions	PV 540 G	BL	53	96	96	50	69	95	109	48	71	95	119	52	63	95	105	50
Pioneer	45CM39	BL/CR	57	103	96	49	67	94	107	47	73	98	118	52	64	98	104	49
Pioneer	45M35		57	102	95	50	73	100	107	49	76	101	118	53	67	101	104	50
	LSD		5	9			6	8			7	10		6	8			
TruFlex																		
CANTERRA SEEDS	CS2600 CR-T	BL/CR	55	100	93	47	66	92	107	48	68	91	118	51	62	96	103	48
	LSD																	

¹ Indicates genetic disease resistance with an "R" or resistant rating to BL = Blackleg, CR = Clubroot and improved tolerance to sclerotinia "S", as based on variety descriptions submitted to CFIA. Note that variety 45M35 has an "MR" rating for blackleg.



2019 CPT SMALL PLOT DATA – Standard Trials

Season Zone Averages (Standard Trials)																		
Distributor	Variety	Disease Tolerance ¹	Long Season Zone (6 locations)				Mid Season Zone (8 locations)				Short Season Zone (5 locations)				Overall Average (19 locations)			
			Yield (bu/ac)	Yield (% L252)	Days to maturity	Height (in.)	Yield (bu/ac)	Yield (% L252)	Days to maturity	Height (in.)	Yield (bu/ac)	Yield (% L252)	Days to maturity	Height (in.)	Yield (bu/ac)	Yield (% L252)	Days to maturity	Height (in.)
LibertyLink																		
BASF - InVigor	L230	BL	48	90	91	47	64	94	104	52	65	92	109	47	59	92	101	49
BASF - InVigor	L241C	BL/CR	48	91	94	49	64	94	106	52	73	103	112	49	61	95	103	50
BASF - InVigor	L252	BL	53	100	95	48	68	100	106	53	70	100	112	48	64	100	104	50
Pioneer	P501L	BL/CR	48	92	93	48	62	92	105	53	72	101	110	48	60	94	102	50
	LSD		6	11			8	12			7	11		7	12			
Roundup Ready																		
BrettYoung	6076 CR	BL/CR/S	50	95	94	50	61	90	107	56	69	98	114	50	59	93	105	52
BrettYoung	6090 RR	BL/CR	52	98	95	51	60	87	107	57	69	98	114	51	60	94	105	53
Brevant	D3155C	BL/CR	50	95	94	50	60	88	106	56	71	100	112	50	60	93	104	53
CANTERRA SEEDS	CS2300	BL	52	99	97	51	59	87	109	57	68	96	115	51	59	93	106	53
DEKALB	74-44 BL	BL	46	89	91	43	53	78	104	50	64	90	111	43	54	85	102	46
DEKALB	75-42 CR	BL/CR	48	93	92	46	53	80	104	51	64	91	110	62	55	87	102	48
DEKALB	75-65 RR	BL	47	91	92	46	57	85	104	51	64	89	110	46	56	88	102	48
Winfield United Canada	CP20R3C	BL/CR	50	95	99	51	60	89	109	57	68	97	116	51	59	93	107	54
Proven Seed/Nutrien Ag Solutions	PV 540 G	BL	53	100	95	49	59	88	107	54	69	98	113	49	60	94	105	51
Nutrien Ag Solutions	PV 581 GC	BL/CR	51	98	95	49	60	88	107	56	71	100	114	49	60	94	105	52
Pioneer	45CM39	BL/CR	53	102	93	47	61	90	106	51	71	101	112	47	61	97	103	49
Pioneer	45H33	BL/CR	47	89	94	49	59	86	106	55	69	97	113	49	57	90	104	51
Pioneer	45M35		52	100	94	48	62	92	106	53	71	100	111	48	61	97	103	50
	LSD		6	11			7	11			8	11		7	11			
TruFlex																		
CANTERRA SEEDS	CS2600 CR-T	BL/CR	51	97	91	46	60	88	105	51	70	98	112	46	59	94	102	48
BrettYoung	BY 6207TF	BL/CR	49	93	100	51	63	92	111	58	68	97	116	51	60	94	109	54
	LSD		7	13			14	20			15	23		12	18			
Clearfield																		
Pioneer	46H75	BL	50	96	93	49												
CANTERRA SEEDS	CS2500CL	BL	46	88	90	48												
	LSD		7	14														

¹ Indicates genetic disease resistance with an "R" or resistant rating to BL = Blackleg, CR = Clubroot and improved tolerance to sclerotinia "S", as based on variety descriptions submitted to CFIA. Note that variety 45M35 has an "MR" rating for blackleg.

BARLEY

Variety	Overall Station Years of Testing	Overall Average Yield	Area:					Yield Category:			Nutritional Data:					
			2	3	4	5	6	Low < 9.0 (t/ac)	Medium 9.1 12.0 (t/ac)	High > 12.1 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to CDC Austenson)																
CDC Austenson (t/ac)		10.6	9.6	12.1	12.9	11.1	8.2	7	11.2	15.6	10.2	67	0.3	0.2	1.5	0.2
CDC Austenson	54	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
AB Advantage	9	104	103	XX	96	99	111	106	102	101	98	101	104	114	102	110
AB Cattlelac	13	100	94	XX	90	99	105	101	103	94	104	100	138	101	117	123
Altorado	35	102	101	92	99	102	107	106	98	101	101	100	105	105	103	98
Amisk	42	93	99	92	96	90	95	93	94	92	104	102	133	105	106	110
Canmore	35	100	104	99	92	101	100	102	98	99	101	99	118	104	99	104
CDC Bow	9	103	103	XX	100	101	107	105	103	98	105	100	129	112	100	117
CDC Coalition	46	95	98	93	94	92	102	99	92	94	102	101	101	111	104	101
CDC Cowboy	42	100	101	103	102	101	99	100	99	102	97	99	115	113	109	115
CDC Maverick	44	102	104	96	96	103	106	105	101	100	97	99	117	112	95	115
Claymore	35	101	105	102	98	103	98	102	97	103	96	97	124	100	100	107
SR17515	9	103	106	XX	96	94	114	102	107	97	101	101	114	139	108	121
SR17519	9	96	97	XX	94	88	103	92	101	95	103	100	121	123	115	122
Sundre	46	94	99	93	89	91	99	93	96	94	102	99	133	105	112	113
TR17639	9	103	102	XX	106	100	109	101	108	101	102	100	110	112	97	106
Previously tested varieties																
Busby	19	93	91	98	71	96	88	86	95	97	105	99	128	100	100	103
Gadsby	33	99	95	106	94	99	100	101	101	98	96	100	127	100	96	101
CDC Meredith	22	100	108	106	93	98	103	101	102	100	95	98	99	101	102	94
Champion	26	102	103	97	100	103	102	106	99	101	99	101	105	99	104	99
Chigwell	23	92	80	95	87	91	96	94	91	88	102	100	158	99	105	118
Conlon	31	87	83	95	86	85	89	84	88	90	98	102	129	112	99	104
Muskwa	13	90	101	93	XX	86	91	86	91	91	114	100	167	107	121	127
Ponoka	19	96	90	100	100	96	95	96	94	97	101	99	148	103	104	115
Ranger	23	94	101	99	XX	94	88	93	96	87	100	99	157	104	121	126
Seebe	19	96	95	103	92	95	95	95	96	97	109	96	136	109	113	103
Trochu	18	88	XX	91	73	91	85	82	89	92	103	101	139	107	109	119
Vivar	19	93	95	99	78	92	93	90	98	93	108	100	144	99	104	123
Xena	19	95	87	101	84	92	101	96	90	95	106	99	111	105	102	106

Remarks: For explanations on data summarization methods and other information, please see the comments at the beginning of this publication. The yield comparison is expressed in several ways. First, overall actual yield of the standard check in t/ac along with the number of station years of testing. Second, actual yield of the standard check in each growing area. Third, average yield of each variety is expressed in % relative to the standard check. And finally, yield performance is also expressed on the basis of environmental productivity (Yield Test Categories of Low, Medium and High). Consistent performance over all Yield Test Categories indicates that a variety may have good yield stability over a wide range of environments. XX - Insufficient data to describe.

Variety	Overall Station Years of Testing	Overall Average Yield	Area:					Yield Category:			Nutritional Data:					
			2	3	4	5	6	Low < 8.0 (t/ac)	Medium 8.1 10.0 (t/ac)	High > 10.1 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to CDC Baler)																
CDC Baler (t/ac)		10.4	8.7	10.2	14.4	11.1	7.3	5.7	9.7	13.9	9.6	61.4	0.3	0.2	1.9	0.2
CDC Baler	49	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
AC Juniper	39	96	99	100	94	88	105	107	85	92	101	102	95	106	101	103
AC Morgan	48	100	105	100	94	97	107	104	95	99	100	102	102	113	99	97
CDC Haymaker	44	99	107	94	99	98	98	101	92	99	100	101	100	103	101	100
CDC Nasser	7	101	112	XX	XX	99	95	104	XX	98	94	102	96	89	100	105
CDC Seabiscuit	22	98	95	99	107	98	97	95	96	101	101	102	93	101	95	97
CDC SO1	49	96	88	101	90	95	100	99	89	96	101	102	96	100	97	103
Murphy	43	103	108	102	101	101	104	106	103	101	94	97	97	98	101	100
ORe3542M	11	100	98	97	96	96	110	101	XX	99	107	105	87	111	93	96
Previously tested varieties																
AC Mustang	39	98	99	97	95	99	99	96	99	99	101	99	99	103	101	99
Derby	6	96	100	XX	106	89	94	89	93	101	89	100	98	99	100	110
Everleaf	5	94	XX	113	106	72	XX	108	76	67	96	98	105	97	110	92
Foothills	21	99	103	95	101	99	103	99	96	102	99	98	103	103	102	100
Jordan	20	100	107	92	88	100	121	102	102	96	97	100	96	105	97	112
Waldern	36	102	98	104	98	100	110	104	106	99	95	99	107	101	95	99

Remarks: For explanations on data summarization methods and other information, please see the comments at the beginning of this publication. The yield comparison is expressed in several ways. First, overall actual yield of the standard check in t/ac along with the number of station years of testing. Second, actual yield of the standard check in each growing area. Third, average yield of each variety is expressed in % relative to the standard check. And finally, yield performance is also expressed on the basis of environmental productivity (Yield Test Categories of Low, Medium and High). Consistent performance over all Yield Test Categories indicates that a variety may have good yield stability over a wide range of environments. XX - Insufficient data to describe.

PULSE MIXTURES

Variety	Overall Station Years of Testing	Overall Average Yield	Area:			Yield Category:			Nutritional Data:					
			2	5	6	Low < 8.0 (t/ac)	Medium 8.1 10.0 (t/ac)	High > 10.1 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to CDC Austenson)														
CDC Austenson (t/ac)		9	5.4	9.2	8.2	6.7	8.8	11.8	10	65.8	0.3	0.2	1.6	0.2
CDC Austenson	17	100	100	100	100	100	100	100	100	100	100	100	100	100
CDC Baler	17	103	99	101	108	93	113	99	99	96	107	108	121	114
Taza	17	102	104	95	113	100	106	92	96	96	77	115	98	82
CDC Austenson/CDC Jasper	5	96	100	94	95	90	114	97	119	96	174	109	104	123
CDC Austenson/CDC Meadow	17	100	100	98	103	98	104	96	113	91	184	105	110	139
CDC Baler/CDC Jasper	5	90	81	89	83	78	107	107	123	94	173	114	130	139
CDC Baler/CDC Meadow	17	100	97	99	103	88	113	93	111	97	170	111	116	136
Taza/CDC Jasper	5	95	93	107	77	85	119	90	115	94	145	121	102	104
Taza/CDC Meadow	17	99	98	96	104	93	110	81	112	96	176	114	100	123
Previously tested varieties														
CDC Austenson/CDC Horizon	5	105	109	100	107	108	102	XX	101	97	156	102	111	133
CDC Austenson/CDC LeRoy	7	88	XX	88	89	104	87	82	124	98	186	119	114	129
CDC Baler/CDC Horizon	5	101	111	102	96	113	94	XX	109	94	173	101	123	145
CDC Baler/CDC LeRoy	7	97	XX	97	98	75	107	90	105	96	136	108	121	111
Taza/CDC Horizon	5	108	96	105	119	104	111	XX	116	96	179	106	106	137
Taza/CDC LeRoy	7	96	XX	89	106	96	104	80	114	96	171	112	98	118

Remarks: For explanations on data summarization methods and other information, please see the comments at the beginning of this publication. The yield comparison is expressed in several ways. First, overall actual yield of the standard check in t/ac along with the number of station years of testing. Second, actual yield of the standard check in each growing area. Third, average yield of each variety is expressed in % relative to the standard check. And finally, yield performance is also expressed on the basis of environmental productivity (Yield Test Categories of Low, Medium and High). Consistent performance over all Yield Test Categories indicates that a variety may have good yield stability over a wide range of environments. XX - Insufficient data to describe.

TRITICALE

Variety	Overall Station Years of Testing	Overall Average Yield	Area:					Yield Category:			Nutritional Data:					
			2	3	4	5	6	Low < 10.0 (t/ac)	Medium 10.1 12.5 (t/ac)	High > 12.6 (t/ac)	CP (%)	TDN (%)	Ca (%)	P (%)	K (%)	Mg (%)
Varieties tested in the 2019 trials (Yield and agronomic data only directly comparable to Taza)																
Taza (t/ac)		10.7	10.4	11.7	13.2	10.6	9.1	7	11.3	15.3	9.1	63	0.2	0.2	1.4	0.1
Taza	56	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
AAC Awesome	7	99	93	XX	XX	100	88	90	99	123	105	102	96	104	104	118
AAC Delight	7	103	92	XX	XX	98	106	96	103	127	109	102	87	117	83	105
AC Andrew	7	96	79	XX	XX	92	97	87	95	121	103	99	96	94	122	113
Bunker	48	100	96	91	107	101	100	100	98	100	103	99	107	96	97	115
Sadash	15	99	102	102	109	91	102	94	103	100	102	99	91	96	113	106
Sunray	49	101	98	99	103	101	102	100	102	102	105	103	106	103	104	109
T256	12	101	92	98	96	101	101	101	98	104	101	101	101	104	93	122
Previously tested varieties																
AAC Chiffon	15	104	119	111	118	92	107	108	103	103	107	100	87	94	109	111
AAC Innova	8	104	121	119	123	83	102	95	107	107	108	100	87	106	109	107
AAC Ryley	8	97	108	104	87	87	110	86	100	101	103	100	95	106	89	117
AC Ultima	7	103	104	98	120	100	XX	109	100	104	110	100	101	93	97	122
Pasteur	8	94	110	96	97	84	103	91	99	91	107	103	96	99	107	117
Pronghorn	21	102	107	103	114	99	101	108	99	103	103	100	102	99	109	106
Tyndal	48	100	101	102	107	99	98	102	99	100	103	100	101	103	96	106

Remarks: For explanations on data summarization methods and other information, please see the comments at the beginning of this publication. The yield comparison is expressed in several ways. First, overall actual yield of the standard check in t/ac along with the number of station years of testing. Second, actual yield of the standard check in each growing area. Third, average yield of each variety is expressed in % relative to the standard check. And finally, yield performance is also expressed on the basis of environmental productivity (Yield Test Categories of Low, Medium and High). Consistent performance over all Yield Test Categories indicates that a variety may have good yield stability over a wide range of environments. XX - Insufficient data to describe.

DRY BEAN

	Type	Yield (bu/acre)
AC Island	Pinto	37.0
AAC Explorer	Pinto	30.9
AAC Expedition	Pino	33.3
CDC WM-2	Pinto	34.9
CDC WM-3 (NN11-2)	Pinto	40.9
Resolute	Great Northern	30.7
AAC Tundra	Great Northern	38.7
AAC Whitehorse	Great Northern	35.0
AAC Whitestar	Great Northern	34.2
AC Black Diamond	Black Shiny	33.8
AAC Black Diamond 2	Black Shiny	33.1
CDC Blackstrap	Black Matte	30.8
AAC Y012	Yellow	33.9
AAC Y015	Yellow	29.9
L14YL073	Yellow	28.8
AAC Cranford	Cranberry	28.8
LSD		3.4
CV		12.4

SOYBEAN

	ZONE (Yield reported in bu/acre)					Relative Maturity	
	1	2	3	4	5	Early = 1	
						Late = 5	
McLeod (bu/acre)	33.82			2.41	7.3	5	L
Akras R2	34.85			2.19	1.74	5	L
Amirani R2	31.85			15.09	21.7	1	E
Devo R2X	30.78			2.52	14.4	4	M/L
Dinero R2X	33.3			1.84	9.8	4	M/L
DKB0005 - 44	29.83			2.22	11.3	3	M/L
DKB0009-89	28.61			2.34	9.7	2	E/M
Dugaldo R2X	31.91			1.74	8.2	5	L
Karpo R2	32.6			5.13	13.6	2	E/M
Maxus	33.51			1.75		5	L
Nocoma R2	31.3			6.51	9.7	3	M
NSC EXP 0005RR2X	27.62			6.67	20.6	1	E
NSC Leroy RR2Y	28.68			7.09	18.8	1	E
NSC Watson RR2Y	29			7.27	22.8	1	E
PR110187Z017	27.56			1.83		5	L
PR110212Z046	26.73			1.74		5	L
PV 15s0009R2X	28.51			2.75	9.8	1	E
S0007-B7X	24.27			8.82	16.2	1	E
S0009 - M2	30.33			14.76		1	E
S003-Z4X	30.76			16.08	18.9	2	E/M
Siberia	32.17			2.16		5	L
Sunna R2	31.84			2.16	10.5	2	E/M
Torro R2	27.84			7.33	7.9	4	M/L
V EXP 19-S1	29.31			8.13	26.8	1	E
Varuna R2	34.24			15.75	24.9	1	E

FABA BEANS

	ZONE (Yield as a % of CDC Snowbird)					Agronomic Characteristics:				
	1	2	3	4	5	Standability	Maturity ¹	TKW	Plant Height (cm)	Flower Color ²
CDC Snowbird (bu/acre)	56.1			80.9	116.9	1				
CDC Snowbird ☉	100.0			100.0	100.0		E	478	91	W
Malik NR*	111.8			91.1	105.7	1	M	632	85	C
CDC219-16	109.6			93.1	92.3	1	E	358	97	W
DL Tesoro	115.5			109.0	94.1	1	M	571	106	W
Fabelle	116.2			106.4	100.8	1	M	534	106	C
LG Cartouche	118.0			112.5	101.2	1	M	527		
LSD	7.9			10.7	13.2					
CV	12.5			12.8	7.3					

Remarks: All colored 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 Plant Breeders' Rights (PBR); ▲ = Applied for PBR protection. NR = Variety not registered with CFIA. * Contract Varieties.
¹Maturity: E = early, M = medium, ML = medium late, L = late; ²Flower Colour: W = white flower, zero tannin; C = colored flower, tannin.

LENTILS

	ZONE (Yield as a % of CDC Maxim CL)					Agronomic Characteristics:				
	1	2	3	4	5	Standability Erect = 1 Flat = 9	Relative Maturity Early = 1 Late = 5		Plant Height (cm)	TSW (g)
CDC Maxim CL	37.4				48.9	4			34	40
CDC Maxim CL	100.0				100.0		2	E/M	34	40
CDC Impulse ☉	101.3				80.8	4	2	E/M	37	46
CDC Lima CL ☉	105.3				64.6	5	4	M/L	35	74
CDC Proclaim ☉	89.3				89.4	4	2	E/M	35	38
LSD	8.5				7.8					
CV	22.2				18.6					

☉ Protected by the 1991 Act of the UPOV Convention.

GREEN PEAS

	ZONE (Yield as a % of CDC Limerick)					Agronomic Characteristics:				
	1	2	3	4	5	Standability	Relative Maturity	Vine Length (cm)	TSW ² (g)	Bleaching
						1 = erect 9 = flat	Early = 1 Late = 5			
CDC Limerick	41.6	70.4	51.0	57.4	48.9	5.0	3	77	210	G
CDC Limerick	100.0	100.0	100.0	100.0	100.0	5.0	3	77	210	G
12CP3032	97.4	121.7	129.2	107.8	103.9	5	3			
AAC Comfort ▲	103.8	114.3	92.7	101.0	95.3	5	4	77	244	G
Blueman	107.2	117.9	123.1	127.4	109.4	5	3	81	228	G
CDC Forest ▲	105.0	121.6	105.3	116.7	101.4	5	3	81	228	G
CDC Spruce ☼	100.7	113.8	132.4	109.9	107.2	5	3	82	243	G
N13073-17	99.5	114.5	147.3	107.0	116.0	5	2			
N13073-19	97.8	112.9	135.7	108.7	106.3	5	2			
LSD	6.3	6.4	7.5	7.2	5.6					
CV	18.4	9.6	14.2	14.1	15.5					

YELLOW PEAS

	ZONE (Yield as a % of CDC Amarillo)					Standability	Vine Length (cm)	Relative Maturity	TSW (g)
	1	2	3	4	5	1=erect 9=flat			
CDC Amarillo (bu.acre)	40.6	76.9	50.8	77.3	55.9	5	80	3	226
CDC Amarillo	100.0	100.0	100.0	100.0	100.0	5	80	3	226
CDC Meadow	114.0	101.0	120.7	108.2	102.0	6	81	3	203
AAC Aberdeen	124.1	102.6	95.1	119.9	90.3	5	89	4	243
AAC Barrhead ☼	101.0	108.2	96.1	107.5	91.2	5	84	1	232
AAC Chrome	119.7	106.4	89.4	115.9	99.3	5	71	4	234
AAC Delhi ▲	102.7	103.5	114.2	104.4	100.7	6	71	2	288
AAC Lacombe ☼	112.6	105.3	92.7	120.6	84.6	5	75	3	256
AAC Ardill	112.8	106.2	140.7	112.4	110.4	5	85	3	230
CDC Canary ▲	103.2	104.4	113.0	113.3	96.4	6	80	1	239
CDC Inca	106.9	104.4	118.5	125.7	99.1	5	85	3	230
CDC Lewochko	112.3	105.5	102.0	99.5	86.2	5	90	3	230
CDC Spectrum ☼	110.6	108.1	105.1	108.2	101.1	6	78	3	235
LN4228	100.2	96.7	110.8	106.2	100.0	5	80	3	246
N13022-7	113.8	107.7	127.0	111.6	99.5	5	63	3	266
N13029-10	114.3	104.7	120.1	114.6	104.5	6	70	3	274
N13057-4	106.4	97.7	111.0	100.1	88.2	6	66	3	224
N13057-5	109.6	104.0	111.0	104.9	87.3	6		3	
N13068-1	99.0	103.0	132.5	114.0	100.9	6	65	3	283
LSD	7.4	9.1	8.1	10.8	6.5				
CV	20.5	14.1	17.8	12.8	14.8				