

Manitoba Agriculture Variety Guide

BARLEY

New for 2018

Variety	Type	Code	Breeder	Distributor	Seed Availability
CDC Goldstar®	Malting - 2 Row	TR13812	Crop Development Centre	CANTERRA SEEDS	—

Comments:

Seed of **AAC Connect®**, **Claymore®**, **Oreana®**, and **CDC Ascent®** will be commercially available for seeding in Spring 2018.

Malting barley varieties are classified into two groups. The **"Malting: Acceptance - Recommended"** group are varieties with recommended market acceptance as listed in the Canadian Malt Barley Technical Centre (CMBTC) publication **"2018/19 Recommended Malting Barley Varieties"** on page 25. The category of **"Malting: Other"** includes varieties not currently recommended by the CMBTC but markets may exist.

The two-row malting varieties **CDC Goldstar®**, **CDC PolarStar®** and **CDC PlatinumStar®** are available through closed loop, identity preserved programs.

The hulless varieties **CDC Clear®** and **Taylor®** are malting types.

It is strongly recommended for producers to use a combination of the Canadian Food Inspection Agency's **List of Registered Varieties** (www.inspection.gc.ca) and the Canadian Grain Commission's **Variety Designation Lists** (www.grainscanada.gc.ca) to determine the registration and grade eligibility status of varieties.

High Value

Faller & Prosper wheat



Faller dealers listed below. Prosper seed available exclusively through Richardson Pioneer.

Walt Smith - Seed Depot	(204) 825-2000	Jeffries Seed Service	(204) 827-2102
Bergen Seed Farm	(204) 736-2278	LD Seeds	(204) 324-5798
Boissevain Select Seeds	(204) 534-6846	MB Seeds Ltd.	(204) 746-4652
Clearview Acres Ltd.	(204) 748-2666	Miller Agritec	(204) 267-2363
Court Seeds	(204) 386-2354	Nickel Bros.	(204) 773-6734
Dauphin Plains Seeds Ltd.	(204) 638-7800	Parent Bros. Inc.	(204) 737-3000
Derrick Beischer	(204) 564-2117	Pitura Seed Service Ltd.	(204) 736-2849
Durand Seeds Inc.	(204) 248-2268	R-Way Ag Ltd.	(866) 398-9643
Ellis Farm Supplies Ltd.	(204) 824-2290	Red River Seeds Ltd.	(204) 746-4779
Ens Quality Seed	(204) 325-4658	Redsper Enterprises Ltd.	(204) 328-5346
Fisher Seeds	(204) 622-8800	RJP Seed Ltd.	(204) 745-3304
Foster Ag Services Inc.	(204) 364-2358	Rutherford Farms Ltd.	(204) 467-5613
Friesen Seeds Ltd.	(204) 746-8325	Seine River Seed Farm Ltd.	(204) 355-4495
Gerrard Family Seeds	(204) 365-0321	Triple "S" Seed Ltd.	(204) 546-2590
Hulme Agra Products Inc.	(204) 685-2627	Unger Seed Farm Ltd.	(204) 467-8630
J.S. Henry & Son Ltd.	(204) 566-2422	Wheat City Seeds Ltd.	(204) 727-3337
James Farms Ltd.	(204) 222-8785	Wilson Seeds Ltd.	(204) 246-2119
Janzen Seeds	(204) 829-7749	Zeghers Seed Farm	(204) 526-2145

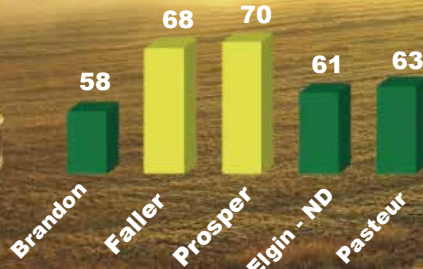
Our dealer network is your source for high quality seed.
www.seeddepot.ca



2016 Seed MB Data

- ✓ **120% yield of CWRS**
- ✓ **FHB Resistance - Intermediate**
- ✓ **I-MR to Leaf & Stem Rust**
- ✓ **Lodging - Midrange**
- ✓ **1 day earlier than Carberry**
- ✓ **Semi Dwarf - 1" taller than Carberry**
- ✓ **Susceptible to Stripe Rust**

Yield MB 2016



Variety	Yield (bushels/acre)
Brandon	58
Faller	68
Prosper	70
Elgin - ND	61
Pasteur	63

*Working Hard ...
to Earn Your Trust!*

BARLEY (continued)
Variety Descriptions

Category / Variety ¹	Site Years Tested	Yield (bu/acre)	Protein %	Maturity +/- 88 days	Height +/- 89 cm	Test Wt +/- 48.7 lb/bu	Rough or Smooth Awns	Resistance Level:									Fusarium ³ Head Blight
								Lodging	Loose Smut	Surface -borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem ² Rust		
Malting: Acceptance - Recommended																	
AAC Connect (2)☺	21	103	12.4	0	-3	-0.5	R	G	S	R	MS	I	MR	MR	MR	MR	MR
AAC Synergy (2)☺	32	110	12.1	0	-3	-0.4	R	G	S	I	I	MR	R	R	MR	MR	MS
AC Metcalfe (2)	178	95	12.8	0	0	0	R	F	R	I	I	S	I	I	MR	I	I
CDC Bow (2)☺	44	104	12.0	1	3	0.5	R	G	S	I	MS	S	MR	I	MR	MR	MS
CDC Copeland (2)☺	51	96	12.5	0	5	-0.5	R	F	MS	I	I	I	I	S	MR	I	I
Celebration (6W)☺	35	103	13.3	-1	5	0	S	G	R	R	MS	S	MR	MR	I	MR	MS
LEGACY (6W)	36	104	13.0	-2	8	0	S	F	I	MR	MR	S	MR	MR	MR	MR	MS
Tradition (6W)	59	103	12.9	2	10	0.8	S	F	S	MR	MR	S	I	MR	MR	MR	S
Malting: Other																	
CDC Fraser (2)☺	32	106	12.0	1	0	-0.7	R	G	R	MR	MS	MR	MR	MR	MR	MR	I
CDC Goldstar (2)☺	14	103	12.3	0	0	0	R	G	I	R	S	I	MR	I	I	MR	MS
CDC Kindersley (2)☺	34	102	12.5	-1	-3	0	R	G	S	R	I	MS	MR	I	MR	I	I
CDC Meredith (2)☺	42	101	12.3	2	-3	-2.1	R	F	R	MR	I	MS	R	MS	MR	I	I
CDC Polarstar (2)☺	20	97	12.7	-1	0	-0.6	R	F	S	R	MS	S	MR	MS	S	MR	I
CDC PlatinumStar (2)☺	18	97	12.1	0	3	-0.5	R	F	S	R	S	I	MR	S	I	MR	I
Bentley (2)☺	41	102	12.3	0	5	-0.8	R	G	MS	MR	I	MS	R	I	MR	MR	MS
Cerveza (2)☺	37	109	12.3	1	-5	-1.4	R	F	R	R	I	MS	MR	R	MR	I	I
Lacey (6W)	41	102	13.1	1	5	-0.7	S	G	I	MR	MR	S	I	MR	MR	S	S
Lowe☺	21	98	12.3	2	5	-0.4	R	G	R	R	—	I	MR	I	S	MR	I
Major (2)☺	35	107	12.4	0	-3	-0.7	R	G	R	MR	MS	I	MR	MR	MR	MR	I
Merit 57 (2)☺	39	102	12.4	3	-3	-1.9	R	F	S	I	MR	MS	R	MS	I	MR	MS
Newdale (2)☺	61	107	12.6	0	-3	-0.5	R	F	S	MR	MR	I	MR	I	MR	I	I
Sirish☺	21	104	12.2	1	-13	-0.3	—	VG	S	R	—	MS	MS	MS	S	MR	MS
Stellar-ND (6W)	32	98	12.7	-2	5	0	R	G	MR	R	MS	S	I	MR	I	I	I
Food and Feed																	
AC Ranger (6F)	38	107	12.4	1	-8	0.1	S	G	MS	I	MR	I	MR	MR	MR	MR	S
Altorado☺	32	109	12.2	0	-5	0.7	R	G	MR	MR	MR	S	I	MS	MR	I	I
Amisk (6)☺	30	114	12.6	1	0	-2.3	SS	VG	S	MS	MS	I	MR	MR	MR	MR	S
Brahma (2)☺	36	107	12.3	0	-5	0.5	R	G	MS	R	MR	S	I	S	MR	I	I
Breton (6F)☺	30	103	12.3	0	-5	0.8	S	G	MS	MR	I	I	MR	MR	MR	MR	S
Canmore (2)☺	32	107	12.4	1	0	0.7	R	G	R	R	I	MS	MR	I	MS	I	I
CDC Austenson (2)☺	43	113	12.1	1	0	0.5	R	G	S	R	I	MS	R	MR	I	MR	I
CDC Coalition (2)☺	39	103	12.3	1	5	0.8	R	VG	R	MR	I	S	MR	I	MR	I	I
CDC Cowboy (2F)☺	50	94	13.1	1	15	1.3	R	F	MS	MR	I	I	MR	I	MR	MR	MR
CDC Helgason (2)☺	24	103	12.3	-1	0	0.8	R	G	R	MR	I	MR	MR	I	I	MR	MS
CDC Maverick (2F)☺	29	94	13.4	1	10	5.4	S	F	S	R	I	I	MR	I	MR	MR	MR
CDC Mindon (2)☺	56	95	12.8	1	-3	0.3	R	G	R	R	—	S	MR	I	I	MR	MR
CDC YORKTON (6W)	12	110	12.7	0	13	-3	S	G	MS	MR	MR	I	MR	MR	MR	MR	S
Champion (2)☺	44	109	12.3	0	0	0.8	R	G	S	R	—	S	I	MS	I	MR	I
Chigwell (6)☺	41	100	12.3	0	0	-1.6	S	G	MS	R	S	I	MR	MR	S	MR	S
Claymore (2)☺	44	115	12.0	0	0	-0.2	R	G	S	R	I	S	I	I	MR	I	I
CONLON (2)☺	87	92	12.7	-1	-3	0.8	S	G	I	I	I	I	MR	S	MR	MR	MR
Desperado (6F)☺	44	105	12.6	1	5	2.5	S	G	MS	R	MR	S	MR	MR	MR	MR	S
Gadsby (2)☺	29	99	12.8	0	8	0.1	R	F	R	R	I	MS	MR	S	MR	I	I
Muskwa (6)☺	31	104	12.6	0	-13	1.3	S	G	MS	R	MS	MS	MR	I	MR	S	S
Oreana (2)☺	44	109	11.8	2	-13	0.2	R	G	S	R	I	S	MR	I	I	MR	S
Sundre (6)☺	5	91	12.5	—	—	—	S	G	MS	R	MS	MS	I	I	I	MR	S
Hulless																	
CDC Ascent (2)☺	21	90	13.7	2	-3	8	R	G	MR	MR	I	S	MR	I	I	MR	MR
CDC Carter (2)☺	35	90	13.1	1	0	8	R	F	R	R	S	I	MR	I	I	MR	I
CDC Clear (2)☺	29	95	12.4	2	5	9	R	F	R	R	I	MS	R	I	MR	MR	MR
Taylor (2)☺	28	81	12.9	0	0	8	R	G	R	I	MS	MS	MR	I	MR	MR	MR
Varieties supported for registration by the PRCOB																	
0																	
Malting: Other																	
TR10214 (2)	50	104	12.6	1	3	-0.4	R	F	MS	I	S	I	R	I	MR	MR	MR
TR13606 (2)	21	97	12.5	0	0	-0.3	R	VG	R	R	—	I	MR	I	S	MR	I
GRAND MEAN		104	12.6														
LSD (0.05)		4	0.3														

1 Values in brackets indicate row and type: 2 = two-row; 6 = six-row; W = white aleurone (all others yellow); F = fodder.

2 Reactions given for old races of stem rust. All cultivars are susceptible to new race QCCJ. However, to date this has not caused widespread damage. Early seeding will generally reduce the likelihood of severe infection.

3 Fusarium head blight (FHB) infection is highly influenced by environment and heading date. Under high levels of the disease all varieties will sustain damage. Hulless barley typically has reduced levels of DON when compared to regular barley with similar levels of disease.

BARLEY (continued)

Yield Comparisons

Variety	2017 Yield (bu/acre)											
	Arborg	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Neepawa	Rosebank	Souris	Stonewall	St. Adolphe	Thornhill
Malting												
AC Metcalfe (2)	60	79	124	104	117	142	159	120	143	86	121	122
AAC Connect (2)Ⓢ	87	93	135	103	133	147	173	124	160	98	145	143
CDC Bow (2)Ⓢ	89	122	146	97	137	155	181	121	163	91	139	159
CDC Fraser (2)Ⓢ	94	98	139	119	138	154	178	118	173	100	140	142
CDC Goldstar (2)Ⓢ	77	107	140	116	135	156	180	122	166	97	140	147
LoweⓈ	87	95	130	119	131	158	171	114	152	95	134	149
SirishⓈ	99	107	139	93	142	164	187	112	159	93	150	138
Food and Feed												
AltoradoⓈ	101	84	155	107	152	160	197	133	174	111	152	148
Claymore (2)Ⓢ	108	104	154	124	158	171	225	139	174	113	156	157
Oreana (2)Ⓢ	106	102	138	120	149	169	186	134	170	106	157	128
Hulless												
CDC Ascent (2)Ⓢ	78	94	116	75	119	125	158	98	158	73	116	138
Varieties supported for registration by the PRCOB												
Malting												
TR10214 (2)	84	99	127	114	123	147	179	125	156	99	125	123
TR13606 (2)	64	85	133	109	131	164	170	135	148	93	132	133
SITE GRAND MEAN (bu/acre)	87	98	137	108	136	155	180	123	161	97	139	140
CV %	5.9	6.3	4.2	7.0	3.8	3.3	5.9	6.4	5.5	4.9	5.8	9.1
LSD (bu/acre)	9	10	10	13	9	9	18	13	15	8	13	22
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	13-May	02-Jun	05-May	26-May	12-May	06-May	13-May	09-May	19-May	02-May	04-May	09-May
Harvest Date	30-Aug	05-Oct	24-Aug	29-Aug	25-Aug	29-Aug	05-Sep	17-Aug	12-Sep	14-Aug	21-Aug	22-Aug

Protein Comparisons

Variety	2017 Protein (%)											
	Arborg	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Neepawa	Rosebank	Souris	Stonewall	St. Adolphe	Thornhill
Malting												
AC Metcalfe (2)	12.4	14.5	11.9	11.9	11.9	11.4	10.4	—	11.2	11.3	14.2	14.6
AAC Connect (2)Ⓢ	12.1	13.2	11.7	12.1	10.7	11.7	11.6	—	11.4	11.8	13.1	13.9
CDC Bow (2)Ⓢ	12.4	12.7	11.6	11.5	11	11	10.9	—	11	10.9	12.1	12.9
CDC Fraser (2)Ⓢ	12.5	13.1	12.2	11.4	10.6	11.1	9.9	—	10.5	11.3	12.4	13.9
CDC Goldstar (2)Ⓢ	12.4	13.5	11.8	11.8	10.7	10.4	9.3	—	10.6	11.1	13	14.4
LoweⓈ	12.4	13.2	10.8	11.9	9.7	10.6	10.7	—	10.6	10.8	13.4	13.9
SirishⓈ	11.6	13.1	12	11.8	10.1	10.4	9.5	—	10.3	10.7	12.5	14
Food and Feed												
AltoradoⓈ	11.6	13.2	11.4	12.5	10.3	11.7	10.4	—	10.4	10.6	13.1	14
Claymore (2)Ⓢ	11.5	13.1	10.7	11.8	9.3	10.5	10.9	—	10.1	10.5	12.8	13.7
Oreana (2)Ⓢ	10.8	12.5	11.6	11.3	9.8	11.3	9.3	—	9.7	10.7	12.2	14.4
Hulless												
CDC Ascent (2)Ⓢ	12.3	14.8	13.9	13.9	12.1	13.3	11.9	—	12.3	12.6	14.9	15.3
Varieties supported for registration by the PRCOB												
Malting												
TR10214 (2)	12.4	13.8	12.4	11.6	11.5	12.1	10.4	—	10.8	11.6	13.8	14.5
TR13606 (2)	11.6	13.6	11.5	12	10.1	11	10.3	—	10.9	11.8	13.2	14.2
SITE GRAND MEAN (%)	12	13.4	11.8	12	10.6	11.3	10.4	—	10.8	11.2	13.1	14.1

2018-19 Recommended Malting Barley Varieties

The following varieties of two-row and six-row malting barley are recognized by the CMBTC as having good agronomic and quality characteristics, as well as substantial or growing market demand. The varieties have been pilot scale tested by the CMBTC and all exhibit good malting and brewing characteristics. All two-row and six-row varieties on the CMBTC recommended list are registered with the Canadian Food Inspection Agency (CFIA). A comprehensive list of all malting barley varieties designated by the Canadian Grain Commission can be found at <https://www.grainscanada.gc.ca/legislation-legislation/orders-arretes/ocgcm-maccg-en.html>.

Two-Row Varieties

VARIETY	MARKET COMMENTS
CDC Copeland ₁	Established Demand
AC Metcalfe ₁	Established Demand
AAC Synergy ₄	Growing Demand
AAC Connect ₂	Under Commercial Market Development
CDC Bow ₁	Under Commercial Market Development

Note: CDC PlatinumStar₂ and CDC PolarStar₂ are currently closed-loop varieties. For contracting opportunities contact Prairie Malt - Cargill Biggar. Marketing opportunities remain for the varieties Bentley₂ and Newdale₃ and CDC Kindersley₁ in certain areas.

The CMBTC and its members recommend:

- Talk with your local malting barley buyer about opportunities in your area to grow and market two-row and six-row malting barley varieties.
- Use certified seed to ensure varietal purity, reduce disease incidence and increase the likelihood of selection for malt.
- For contracting opportunities, contact your grain company representative, local elevator operators, malting companies, or the representative seed company.

Six-Row Varieties

VARIETY	MARKET COMMENTS
Legacy ₃	Limited Demand
Tradition ₃	Limited Demand
Celebration ₂	Limited Demand

New Varieties in Development

The following varieties have been registered with CFIA and are undergoing seed propagation. Both varieties have been pilot scale tested at the CMBTC and exhibit good quality characteristics suitable for all malt and/or adjunct brewing styles.

VARIETY	COMMENTS
CDC Fraser ₁	Two-Row - Undergoing seed propagation
Lowe ₁	Two-Row - Undergoing seed propagation

The following companies have pedigreed seed distribution rights for those varieties that are footnoted:

1 – SeCan	2 – CANTERRA SEEDS
3 – FP Genetics	4 – Syngenta

Questions? Call your selector, seed company, grain handling company or contact the CMBTC.

cmbtc.com

Peter Watts - Managing Director

Tel: 204-983-1981 E-mail: pwatts@cmbtc.com

Dr. Yueshu Li - Director of Malting & Brewing Operations

Tel: 204-984-0561 E-mail: yli@cmbtc.com



OATS

New for 2018

Variety	Code	Breeder	Distributor	Seed Availability
CDC Arborg	OT3085	Crop Development Centre	FP Genetics	2020
ORe3541M	OT6008	Oat Advantage	SeCan	2019
ORe3542M	OT6009	Oat Advantage	SeCan	2019

Comments:

Recent changes within the Manitoba crown rust pathogen population has seen virulence developed on a number of oat varieties. Varieties that contain the Pc91 gene, including **AAC Justice**, **CDC Morrison**, **HiFi**, **Souris** and **Stainless**, have been redefined for crown rust resistance.

The variety **Summit**, which is postulated to carry different resistance genes, is also losing its resistance to virulent races in the Eastern Prairies; therefore, it has been redefined for crown rust resistance.

The varieties listed under the heading “**Varieties being tested for adaptability in Western Canada**” are lines which were supported for registration in Eastern Canada. Their performance is being evaluated to determine adaptability and resistance ratings to various agronomic and disease characteristics.

Producers are encouraged to check the “Preferred” or “Approved” lists available at most mills if they are selecting varieties for the milling market. These lists are updated as new genetics become available.

HiFi and **CDC Morrison** are exceptionally high in beta-glucan fibre and are available for contract identity preserved production.

The variety **Stride** appears to have improved resistance to Fusarium Head Blight, based on lower DON accumulation, in comparison with other recently registered varieties.

The variety **OT8006** was selected for performance under organic growing conditions.

Variety Descriptions

Variety ¹	Site Years Tested	Yield bu/acre	Maturity +/- 96 days	Height +/- 84 cm	Test Wt +/- 39.3 lb/bu	Hull %	Hull Colour	Resistance to:				
								Lodging	Smut	Crown Rust	Stem ² Rust	BYD ³
AAC Justice	36	155	0	5	0.5	22.8	White	G	R	I	I	I
AAC Nicolas	21	149	-3	15	0.5	24.2	White	G	R	MR	S	—
AC Morgan	14	146	-1	15	-1.0	25.2	White	G	I	S	S	MS
CDC Arborg	5	153	-2	19	0.2	20.5	White	VG	R	I	S	S
CDC Big Brown	42	143	-1	3	0	20.4	Tan	G	R	R	MS	MS
CDC Dancer	16	145	-3	13	0.5	19.6	White	G	R	I	I	MS
CDC Haymaker (F)	36	127	2	25	-1.0	22.0	White	G	MR	S	S	—
CDC Minstrel	40	146	0	8	-0.2	22.3	White	VG	R	MS	I	MS
CDC Morrison	12	135	-2	-3	-1.0	24.4	White	VG	R	MS	I	I
CDC Norseman	30	151	-3	5	-1.0	20.5	White	G	MS	MR	S	I
CDC ProFi	39	131	-3	3	-1.0	20.0	White	G	MS	S	I	MS
CDC Ruffian	38	152	0	0	-0.8	20.5	White	G	R	I	S	S
CDC Seabiscuit	34	143	0	15	-0.5	20.1	White	G	MR	S	I	S
CS Camden	32	159	2	0	-1.5	21.1	White	VG	I	MS	S	S
Furlong	46	138	-1	20	0.5	20.3	Tan	G	R	S	I	MR
HiFi	40	144	-3	15	0	24.7	White	G	MS	I	I	MR
Jordan	40	149	2	8	-2.0	23.6	White	VG	R	I	I	MR
Leggett	131	144	0	0	0	23.0	White	G	R	R	I	MS
ORe3541M	5	148	-2	-2	0.6	23.3	White	VG	R	R	S	MS
ORe3542M	5	150	-1	-2	-1.1	24.4	White	VG	R	R	S	S
Pinnacle	25	151	3	10	-1.2	23.7	White	G	R	S	I	MS
Ronald	19	136	0	3	0	22.1	White	VG	R	S	I	MR
Souris	60	143	-4	0	0.5	20.9	White	G	R	MS	MR	MS
Stainless	25	139	-3	13	-0.5	22.4	Light Grey	G	R	I	MR	MR
Stride	39	143	-2	13	0.6	23.7	White	VG	R	R	I	I
Summit	43	149	0	-3	0.5	20.8	White	G	R	I	I	I
Triactor	43	162	-1	8	-1.5	22.1	White	VG	I	MR	S	MS
Varieties being tested for adaptability in Western Canada												
Akina	21	157	-4	0	0.8	25.6	White	G	R	R	—	—
Bia	17	150	-4	10	-0.2	25.8	White	G	—	S	—	—
Bradley	30	142	2	8	—	21.7	White	G	R	MS	MS	MS
Kara	21	158	-3	-3	1.6	26.3	White	G	MR	MR	—	—
Kyron	13	155	-3	3	0.9	26.6	White	G	—	—	—	—
Nice	17	147	-3	10	1	25.4	White	G	—	MS	—	—
Pomona	13	145	-1	5	2.2	26.1	White	F	—	—	—	—
Varieties supported for registration by the PRCOB												
OT8006	4	146	1	20	1.0	24.5	White/Light Grey	G	R	MS	I	R
GRAND MEAN (bu/acre)		147										
LSD (bu/acre) (0.05)		8										

1 The letter 'F' indicates a forage type.

2 All varieties are susceptible to new stem rust races NA67 and NA76 and these races caused moderate damage to crops in the Red River Valley in 2001 and 2002. Early seeding will generally reduce the likelihood of severe infection.

3 BYD = Barley Yellow Dwarf - a viral disease carried and spread by aphids - early seeding will generally reduce the likelihood of severe infection.

Yield Comparisons

Variety	2017 Yield (bu/acre)						
	Boissevain	Brandon	Hamiota	Melita	Roblin	St. Adolphe	Thornhill
AAC Justice [®]	202	192	202	176	173	184	171
AAC Nicolas [®]	185	191	159	167	173	197	164
CDC Arborg [®]	187	—	181	—	187	192	178
CDC Haymaker (F) [®]	168	147	157	151	154	184	143
CDC Morrison [®]	167	182	144	156	151	180	150
CDC Norseman [®]	188	208	157	161	179	185	181
CS Camden [®]	174	189	184	164	173	186	221
Leggett [®]	173	171	163	164	159	197	172
ORe3541M [®]	179	—	159	—	178	193	184
ORe3542M [®]	183	—	154	—	155	197	172
Varieties being tested for adaptability in Western Canada							
Akina [®]	181	178	184	154	149	200	189
Kara [®]	180	185	185	156	169	184	203
Kyron [®]	183	183	187	165	188	203	184
Pomona [®]	184	171	165	171	156	159	182
Varieties supported for registration by the PRCOB							
OT8006	180	—	167	—	—	—	198
SITE GRAND MEAN (bu/acre)	180	182	170	161	165	189	179
CV %	3.2	8.0	3.4	4.8	6.0	6.5	5.5
LSD (bu/acre)	10	25	10	14	16	21	16
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	05-May	17-May	06-May	08-May	24-May	04-May	24-May
Harvest Date	24-Aug	31-Aug	06-Sep	23-Aug	05-Sep	24-Aug	13-Sep



- ✓ Bankable Quality
- ✓ Excellent Yields
- ✓ Earliest Maturity
- ✓ Best ratings for Fusarium
- ✓ Shorter straw with good lodging rating



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Avondale Seed Farm	204-877-3813	Walter Smith	204-825-2000	Rutherford Farms	204-467-5613
Boissevain Select Seeds	204-534-6846	HB Agri-Seed Ltd.	204-523-7464	R-Way Ag	866-398-9643
Catellier Seed Service	204-347-5588	James Farms	204-222-8785	Seine River Seed Farm	204-355-4495
Clearview Acres	204-748-2666	Jeffries Seed Service	204-827-2102	Sierens Seed Service	204-744-2883
Court Seeds	204-386-2354	Manness Seeds	204-736-2622	Swan Valley Seeds	204-734-2526
Durand Seeds	204-248-2268	MB Seeds	204-746-4652	Triple “S” Seed	204-546-2590
Ellis Farm Supplies	204-824-2290	Miller Agritec	204-267-2363	Westman Aerial Spray	204-763-8998
Ens Quality Seed	204-325-4658	Nickel Bros	204-773-6734	Wheat City Seeds	204-727-3337
Friesen Seeds	204-746-8325	Pitura Seed Service	204-736-2849	Wilson Seeds Ltd.	204-246-2119
Gagnon Seed Service	204-447-2118	Pugh Seeds	204-274-2179	Zeghers Seed Farm	204-526-2145
		Redsper Enterprises	204-328-5346		

SPRING WHEAT

New for 2018

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Tisdale	CWRS	PT250	AAFC - Swift Current	SeCan	2019
CDC Adamant VB	CWRS	BW488	Crop Development Centre	FP Genetics	2019
SY Sovite	CWRS	BW1011	Syngenta Canada Inc.	Syngenta Canada Inc.	2018
AAC Crossfield	CPSR	HY1632	AAFC - Lethbridge	CANTERRA SEEDS	2018
AAC Entice	CPSR	HY1627	AAFC - Lethbridge	CPS Canada	2019
AAC Goodwin	CPSR	BW968	AAFC - Swift Current	SeCan	2019
AAC Paramount VB	CWSWS	SWS433	AAFC - Lethbridge	SeCan	2019

Comments:

Seed of Canada Western Red Spring (CWRS) varieties **AAC Redberry**, **AAC Viewfield**, **CDC Hughes VB**, **CDC Landmark**, **SY Slate**, **SY Sovite**, **SY479 VB**, and **SY637**, Canada Prairie Spring Red (CPSR) varieties **AAC Crossfield** and **SY Rowyn**, Canada Northern Hard Red (CNHR) variety **AAC Concord**, and Canada Western Special Purpose (CWSP) varieties **Charing VB** and **Sparrow VB** will be commercially available for seeding in Spring 2018.

Midge tolerant varieties are designated by the letters 'VB', which stands for Varietal Blend. The varieties contain the *Sm1* gene for tolerance. To manage against the build-up of midge resistance to the gene, an interspersed refuge is used commercially. More information on midge tolerant wheat varieties and interspersed refuge can be found at www.midgetolerantwheat.ca.

The varieties **CDC Hughes VB**, **CDC Landmark VB** and **CDC Adamant VB** have partial solid stems, **AAC Concord** has a solid stem, both of which can provide protection against the wheat stem sawfly.

The variety **AAC Tradition** was selected for performance under organic growing conditions.

Most varieties have been rated for their relative resistance to pre-harvest sprouting. Under wet postmaturity conditions varieties rated poor (P) would have reduced ability to retain Hagberg Falling Number values relative to those rated good (G) or very good (VG).

At *Seed Manitoba 2018* publication deadlines, the Canadian Grain Commission (CGC) has stated effective August 1, 2018, twenty-five (25) spring wheat varieties from the Canada Western Red Spring (CWRS) and four (4) varieties from the Canada Prairie Spring Red (CPSR) class will be designated to the Canada Northern Hard Red (CNHR) class. Varieties published in *Seed Manitoba 2018* that will be impacted include the CWRS varieties **Alvena**, **Harvest**, **KANE**, **Unity VB** and the CPSR variety **Conquer VB**.

Producers are strongly encouraged to use the Canadian Grain Commission's **Variety Designation Lists** (www.grainscanada.gc.ca) that indicate the varieties belonging to each class of wheat in Canada, and the complete list of varieties being designated to another class effective August 1, 2018 and August 1, 2019.

For complete and up-to-date information on the **Canadian Wheat Class Modernization** initiative, visit CGC's website at <http://www.grainscanada.gc.ca/consultations/classes-en.htm>.

It is also recommended for producers to use the Canadian Food Inspection Agency's **List of Registered Varieties** (www.inspection.gc.ca) to determine registration status of varieties.

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SPRING WHEAT (continued)

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 81 cm	Spike Awned	Resistance Level:										Fusarium ²	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight			
Canada Western Red Spring																		
5604HR CL☼	40	65	14.5	-1	10	Y	G	G	MS	I	MS	R	R	—	I			
5605HR CL☼	32	66	14.7	1	10	Y	VG	—	R	MR	MS	MS	R	MR	MR			
AAC Bailey☼	28	54	14.9	-1	13	N	G	G	MS	MR	I	R	R	—	I			
AAC Brandon☼	59	69	14.2	2	0	Y	VG	P	MR	S	I	R	R	MR	MR			
AAC Cameron VB☼	34	72	13.9	1	13	Y	G	F	S	R	I	MR	MR	S	I			
AAC Connery☼	32	60	15.0	1	3	N	VG	G	MR	I	I	R	MR	R	MR			
AAC Elie☼	44	67	14.3	2	-3	Y	VG	F	I	I	I	R	R	MR	I			
AAC Jatharia VB☼	33	72	14.3	1	13	Y	G	G	S	MS	I	I	R	I	I			
AAC Prevail VB☼	44	65	14.2	1	18	N	G	G	S	S	MS	MR	R	R	I			
AAC Redberry☼	32	68	14.4	0	8	Y	G	G	R	I	MS	R	R	R	I			
AAC Redwater☼	43	64	14.5	-2	8	Y	G	VG	MS	I	MS	R	R	MR	I			
AAC Tisdale☼	19	67	15.0	4	8	Y	G	—	MR	MR	MS	R	R	S	MR			
AAC Viewfield☼	32	67	14.6	3	-5	Y	VG	G	S	MR	I	R	MR	R	I			
AAC W1876☼	32	61	15.1	3	3	Y	VG	F	I	I	MS	MR	R	I	I			
AC Domain	2	64	15.1	-2	10	N	VG	VG	R	I	S	R	I	MR	MS			
Alvena☼	30	63	14.7	-2	13	N	G	P	MR	I	—	MR	I	I	MS			
Carberry☼	97	66	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR			
Cardale☼	28	66	14.5	2	3	Y	VG	G	I	MR	MS	R	R	S	MR			
CDC Abound☼	43	62	14.4	2	3	Y	G	F	I	I	MS	R	MS	MS	S			
CDC Adamant VB☼	19	65	14.6	0	8	Y	F	—	S	S	MS	R	I	MS	I			
CDC Bradwell☼	33	66	14.4	3	5	Y	VG	F	MR	R	MS	MR	R	MS	I			
CDC Go	24	65	14.3	-1	8	Y	G	P	MS	I	S	R	I	MR	MS			
CDC Hughes VB☼	20	68	14.3	1	3	Y	VG	—	MR	MS	I	R	MR	I	I			
CDC Kernen☼	39	63	14.7	1	15	Y	G	P	R	I	MS	MR	MR	I	I			
CDC Landmark VB☼	20	67	14.3	0	3	Y	VG	VG	MR	MS	I	R	MS	MR	I			
CDC Plentiful☼	42	64	14.6	-3	8	N	VG	P	R	I	I	R	R	MR	MR			
CDC Stanley☼	34	65	14.5	0	10	N	G	G	MR	S	I	R	MR	I	MS			
CDC Thrive☼	37	60	14.6	-1	13	N	G	F	MR	I	I	MR	I	I	MS			
CDC Titanium VB☼	32	64	15.0	2	13	Y	G	F	MS	I	MS	I	R	R	MR			
CDC Utmost VB☼	38	67	14.5	-1	10	N	G	G	MS	S	I	MR	R	I	MS			
CDC VR Morris☼	42	67	14.6	0	13	N	G	P	I	I	I	MR	R	—	MR			
Coleman	32	60	14.2	2	18	Y	F	P	S	S	MS	MR	R	MR	MR			
Fieldstar VB☼	43	67	14.6	0	15	Y	F	VG	I	I	I	MR	R	MS	I			
Glenn☼	174	66	14.4	2	8	Y	VG	F	I	I	I	R	R	MR	I			
Goodeve VB☼	53	65	14.8	-2	10	N	VG	G	MR	S	MS	MR	MR	I	S			
Harvest☼	22	65	14.2	-1	8	N	VG	VG	MR	S	MS	R	MR	MR	S			
Infinity☼	25	64	15.2	-2	13	N	G	G	MR	MR	MS	MR	MR	MS	S			
KANE☼	92	65	14.4	1	8	Y	G	VG	MS	I	I	R	R	MR	I			
Muchmore☼	40	66	14.2	2	-3	Y	VG	G	MR	R	MS	R	R	MR	MS			
Shaw VB☼	40	67	14.2	0	18	N	G	G	S	MR	MS	R	MR	I	MS			
Stettler☼	40	62	14.8	1	8	Y	G	G	R	MR	MS	MR	MS	MR	MS			
SY433☼	38	60	14.6	2	15	Y	G	VG	I	S	I	R	R	—	MR			
SY479 VB☼	46	61	15.2	1	13	Y	VG	VG	MS	R	MS	I	R	S	I			
SY637☼	26	59	14.9	3	18	Y	VG	—	MS	MR	I	MR	R	MR	MR			
SY Slate☼	32	68	14.9	1	10	Y	G	P	MS	S	MS	MR	R	MR	I			
SY Sovite☼	19	61	14.4	1	8	Y	G	—	R	MS	MR	MR	R	R	MR			
Thorsby☼	30	62	14.9	-2	13	N	VG	F	I	S	MS	MR	R	R	I			
Unity VB☼	53	69	14.2	0	13	Y	F	VG	MS	R	I	MR	R	MS	I			
Vesper VB☼	40	69	14.4	0	10	Y	F	F	I	S	I	MR	R	S	I			
Waskada☼	43	66	14.6	1	18	Y	F	VG	MR	R	MS	R	I	MS	MR			
WR859 CL☼	42	66	14.5	0	5	Y	G	G	R	R	MS	MR	R	I	MR			
Canada Prairie Spring Red																		
5702PR☼	30	70	12.8	1	3	Y	VG	P	MS	I	I	I	MR	MS	MS			
AAC Crossfield☼	7	77	13.5	2	0	Y	G	—	I	S	I	MR	R	R	I			
AAC Crusader☼	16	73	13.4	0	-3	Y	G	VP	MR	I	MS	R	R	MR	I			
AAC Entice☼	8	75	13.6	2	1	Y	G	—	MS	S	MS	R	R	R	I			
AAC Foray VB☼	31	76	13.1	1	5	Y	VG	P	MS	I	MS	MR	R	I	I			
AAC Goodwin☼	20	74	14.3	2	0	Y	VG	—	MS	I	I	I	R	R	I			
AAC Penhold☼	44	73	13.9	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR			
AAC Ryley☼	30	70	13.0	1	3	Y	G	G	I	R	MS	R	R	S	MS			
AAC Tenacious VB☼	45	63	13.1	1	20	Y	F	G	R	MR	MS	MR	R	R	R			
CDC Terrain☼	33	69	13.4	0	10	Y	VG	—	MR	MR	I	MR	R	R	MS			

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 99 days	Height +/- 81 cm	Spike Awned	Resistance Level:										Fusarium ²
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight		
Conquer VB🌾	40	68	13.0	2	10	Y	F	P	MS	R	I	R	MR	MR	MS		
Enchant VB🌾	29	72	13.2	1	8	Y	G	VG	MR	R	MS	MR	R	S	S		
SY985🌾	44	69	13.4	2	-3	Y	G	P	R	MR	I	R	R	—	I		
SY995🌾	31	71	13.1	2	0	Y	VG	P	S	MR	MS	MR	R	MR	MS		
SY Rowyn🌾	20	74	13.4	1	-5	Y	VG	—	I	S	I	R	R	MR	MR		
Canada Northern Hard Red																	
AAC Concord🌾	20	64	14.7	2	15	Y	G	F	I	MR	I	R	R	R	MS		
AAC Tradition🌾	33	65	14.2	4	5	Y	G	VG	MS	MR	I	R	MR	S	I		
Elgin ND🌾	41	76	14.0	2	10	Y	G	—	—	S	I	I	R	MR	I		
Faller	45	81	12.9	1	3	Y	G	F	—	I	MS	I	MR	MS	I		
Prosper🌾	44	80	12.9	1	3	Y	G	—	—	I	I	MR	MR	S	I		
Canada Western Special Purpose																	
AAC Awesome VB🌾	20	87	11.4	4	10	Y	G	—	I	I	I	R	MR	R	I		
AAC Innova🌾	42	76	11.6	4	5	Y	F	VP	S	S	I	MR	R	R	S		
AAC NRG097🌾	31	72	12.4	5	3	y	VG	F	I	R	I	MR	R	S	I		
AAC Proclaim🌾	30	71	12.5	3	10	Y	F	G	MR	S	I	MR	R	MS	MR		
Alderon	20	77	11.9	9	-5	—	VG	—	—	MS	I	MR	R	MR	—		
CDC NRG003🌾	40	72	12.9	1	3	Y	G	G	MS	R	MS	R	MS	—	S		
CDC Throttle🌾	19	80	12.5	2	5	Y	VG	—	MR	I	S	MR	MR	I	I		
Charing🌾	20	78	12.5	9	0	—	VG	—	—	—	MR	—	MR	R	—		
Minnedosa	40	71	12.9	-1	3	Y	G	G	I	R	MS	MR	R	—	MS		
NRG010🌾	40	75	12.6	4	5	Y	VG	F	MS	R	I	R	R	R	MS		
Pasteur	39	77	12.9	7	5	N	VG	G	MS	S	I	MR	R	MR	I		
Sparrow VB	20	80	12.5	8	0	—	VG	—	—	I	I	MR	R	MR	—		
SY087🌾	31	74	13.8	2	5	Y	VG	F	MS	MR	I	MR	MR	MR	MR		
WFT603	32	74	12.4	5	10	Y	G	F	I	R	I	I	I	MR	MR		
Canada Western Hard White Spring																	
AAC Iceberg🌾	42	61	13.9	0	3	Y	G	P	MS	MR	MS	R	R	I	I		
AAC Whitefox🌾	32	65	13.8	-2	8	N	G	F	MS	MS	MS	MR	MR	MS	I		
CDC Whitewood🌾	32	57	14.1	0	3	Y	VG	G	S	S	MS	MR	MR	I	I		
Snowbird🌾	27	61	13.8	0	13	N	G	G	MR	MS	MS	MR	I	MS	I		
Snowstar🌾	37	66	13.5	-1	3	N	VG	G	MS	S	MS	R	MR	MS	MS		
Whitehawk🌾	33	59	13.7	-2	13	N	VG	G	I	MS	MS	I	R	MS	MS		
Canada Western Soft White Spring																	
AAC Chiffon🌾	44	83	11.4	4	10	Y	F	VP	S	S	—	S	I	MR	S		
AAC Indus VB🌾	33	78	10.9	6	5	Y	VG	P	S	MS	MS	S	I	R	MS		
AAC Paramount VB🌾	7	86	11.4	4	8	Y	VG	VP	MR	S	—	I	I	R	MS		
AC Andrew	30	76	10.9	4	3	Y	VG	P	S	S	—	MR	MS	I	I		
Sadash VB🌾	35	75	10.7	4	8	Y	VG	P	I	S	—	MR	I	R	S		
Canada Western Extra Strong																	
Burnside	15	64	14.3	-1	18	N	G	G	R	I	MS	R	R	R	S		
CDN Bison	38	69	13.7	1	8	Y	G	F	R	I	I	R	MR	—	I		
Glencross VB	41	65	14.1	0	20	N	G	F	R	I	MS	R	MR	MR	S		
Varieties supported for registration by the PRCWRT																	
BW980	6	68	14.7	2	6	Y	VG	—	R	I	MS	R	R	MR	MR		
BW1025	6	68	14.4	0	12	Y	G	—	MR	S	I	R	R	MS	MR		
BW5005	6	68	14.0	-1	7	Y	G	—	R	R	MS	R	R	R	I		
BW5007	6	65	14.0	1	3	Y	VG	—	R	MS	I	MR	R	MR	MS		
GP184	14	72	12.6	4	0	Y	G	—	—	R	MR	MR	R	I	I		
GP205	7	77	12.1	4	3	Y	VG	—	—	I	—	R	MR	R	I		
HW388	6	65	14.7	1	3	Y	VG	—	R	I	I	MR	R	R	I		
HY2003 VB	8	71	14.0	0	0	Y	VG	—	MR	R	MS	MR	MR	MS	I		
GRAND MEAN		71	13.9														
LSD (0.05)		4	0.3														

1 Leaf Spots rating is a combination of resistance to tan spot, spot blotch and septoria leaf disease complex.

2 Fusarium head blight (FHB) infection is highly influenced by genetics, environment and heading date. Under high levels of disease pressure, all varieties will experience yield and/or quality loss.

SPRING WHEAT (continued)

Yield Comparisons

Class/Variety	2017 Yield (bu/acre)											
	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Melita	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring												
AAC Brandon☼	71	91	89	82	103	76	107	88	112	76	71	94
AAC Redberry☼	63	87	91	76	104	80	112	87	109	78	66	104
AAC Tisdale☼	63	83	89	76	101	71	113	79	117	73	64	100
AAC Viewfield☼	69	85	93	84	105	79	115	82	124	84	73	100
Carberry☼	66	89	92	76	103	75	110	87	114	68	67	110
CDC Adamant VB☼	55	78	83	75	94	68	108	73	115	77	68	91
CDC Hughes VB☼	55	86	89	76	98	73	116	77	116	73	67	100
CDC Landmark VB☼	61	80	94	79	102	70	118	80	119	78	69	99
Glenn☼	60	84	75	72	94	77	113	79	108	75	59	93
SY479 VB☼	56	78	79	70	87	68	104	79	84	72	62	100
SY Slate☼	68	89	91	83	107	77	120	81	120	74	68	105
SY Sovite☼	66	79	67	68	87	71	89	79	89	71	65	89
Canada Northern Hard Red												
AAC Concord☼	69	82	89	77	98	74	118	73	114	66	66	85
Varieties supported for registration by the PRCWRT												
BW980	—	84	—	81	102	—	—	—	—	78	—	100
BW1025	—	85	—	81	102	—	—	—	—	77	—	114
BW5005	—	87	—	84	97	—	—	—	—	76	—	110
BW5007	—	86	—	79	100	—	—	—	—	68	—	99
HW388	—	79	—	81	96	—	—	—	—	77	—	94
SITE GRAND MEAN (bu/acre)	63	84	86	78	99	74	111	80	111	74	66	99
CV%	7.2	4.1	3.1	4.0	3.2	4.4	5.7	4.8	6.0	5.8	3.9	4.3
LSD (bu/acre)	8	6	5	5	5	5	11	6	11	7	4	7
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	02-Jun	05-May	13-May	12-May	06-May	09-May	13-May	09-May	19-May	04-May	02-May	09-May
Harvest Date	05-Oct	28-Aug	05-Sep	07-Sep	06-Sep	21-Aug	05-Sep	26-Aug	12-Sep	25-Aug	30-Aug	05-Sep
Canada Western Red Spring												
AAC Goodwin☼	73	93	104	89	101	80	115	92	127	85	66	120
Glenn☼	57	85	73	74	81	75	114	78	100	85	63	88
Canada Prairie Spring Red												
AAC Crossfield☼	—	98	—	89	105	—	—	—	—	83	—	97
AAC Entice☼	—	96	—	87	108	—	—	—	—	82	—	100
AAC Tenacious VB☼	63	87	74	79	92	66	103	70	96	82	59	84
CDC Terrain☼	80	91	95	79	106	77	106	76	111	84	63	99
SY Rowyn☼	59	95	95	92	98	76	95	88	118	77	65	122
Canada Northern Hard Red												
Elgin ND☼	59	91	98	82	95	80	122	97	117	92	70	113
Faller	64	94	94	97	97	68	126	92	121	92	71	123
Prosper☼	57	97	97	93	100	65	129	93	121	96	72	121
Canada Western Special Purpose												
AAC Awesome VB☼	77	108	115	100	123	88	128	101	138	112	79	132
Alderon	73	106	104	100	121	83	134	84	101	103	82	89
Charing☼	58	102	103	99	117	89	129	80	116	95	74	96
Sparrow VB	74	102	101	97	115	84	120	86	111	92	76	95
Canada Western Soft White Spring												
AAC Chiffon☼	79	109	119	97	117	89	128	97	140	111	79	117
AAC Indus VB☼	66	106	107	98	125	94	132	85	114	111	78	119
AAC Paramount VB☼	—	108	—	98	115	—	—	—	—	109	—	128
Varieties supported for registration by the PRCWRT												
GP184	73	98	85	88	97	68	132	89	126	88	68	105
GP205	—	100	—	91	108	—	—	—	—	103	—	114
HY2003 VB	—	92	—	70	98	—	—	—	—	89	—	99
SITE GRAND MEAN (bu/acre)	67	98	98	90	106	79	121	87	117	94	71	108
CV%	5.5	4.8	4.4	3.6	3.4	3.4	5.7	7.1	4.7	8.3	3.7	6.8
LSD (bu/acre)	6	8	7	5	6	4	11	10	9	13	4	12
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Seeding Date	02-Jun	05-May	13-May	12-May	06-May	09-May	13-May	09-May	19-May	04-May	02-May	09-May
Harvest Date	05-Oct	28-Aug	05-Sep	07-Sep	06-Sep	31-Aug	05-Sep	26-Aug	12-Sep	25-Aug	30-Aug	05-Sep

Protein Comparisons

Class/Variety	2017 Protein (%)											
	Beausejour	Boissevain	Brandon	Dauphin	Hamiota	Melita	Neepawa	Rosebank	Souris	St. Adolphe	Stonewall	Thornhill
Canada Western Red Spring												
AAC Brandon☼	15.4	12.0	14.8	12.8	13.8	12.8	12.2	13.0	13.4	14.0	13.6	14.4
AAC Redberry☼	15.9	11.5	14.7	12.8	13.5	12.6	11.6	12.3	13.5	14.5	13.8	14.7
AAC Tisdale☼	16.1	12.7	15.2	13.5	14.2	13.8	11.9	14.3	13.6	15.2	14.7	16.2
AAC Viewfield☼	15.2	12.0	14.7	13.1	13.5	12.5	10.6	12.8	12.8	14.6	13.2	15.0
Carberry☼	15.5	12.2	15.3	13.2	14.1	13.2	11.6	13.2	13.8	13.7	13.9	14.7
CDC Adamant VB☼	15.0	12.2	14.6	13.1	13.9	13.2	11.1	12.9	13.1	15.2	13.6	15.1
CDC Hughes VB☼	15.6	12.3	14.6	12.4	13.4	12.9	12.0	13.4	12.9	14.2	13.5	14.6
CDC Landmark VB☼	15.5	12.1	14.5	13.0	13.0	12.7	11.4	13.8	12.6	13.8	13.5	14.6
Glenn☼	15.0	12.3	14.9	12.9	13.7	13.1	12.1	13.4	13.3	15.1	14.9	14.8
SY479 VB☼	15.7	13.1	15.4	13.3	14.5	13.7	12.8	14.5	14.4	15.5	14.8	16.1
SY Slate☼	16.1	12.6	14.9	13.4	13.6	13.1	12.3	13.4	13.4	13.4	14.3	15.5
SY Sovite☼	15.3	12.6	15.4	13.1	13.8	13.3	12.1	14.1	13.5	14.6	13.8	14.5
Canada Northern Hard Red												
AAC Concord☼	15.0	12.2	14.7	13.9	13.9	13.5	12.3	14.0	14.0	14.7	14.2	15.0
Varieties supported for registration by the PRCWRT												
BW980	—	12.4	—	13.2	13.4	—	—	—	—	14.7	—	14.8
BW1025	—	11.6	—	12.8	13.2	—	—	—	—	14.2	—	15.2
BW5005	—	12.4	—	12.7	12.9	—	—	—	—	14.3	—	14.2
BW5007	—	11.7	—	12.7	13.3	—	—	—	—	13.2	—	14.2
HW388	—	12.3	—	13.3	14.2	—	—	—	—	14.9	—	14.5
SITE GRAND MEAN (%)	15.5	12.2	14.9	13.1	13.7	13.1	11.8	13.5	13.4	14.4	14.0	14.9
Canada Western Red Spring												
AAC Goodwin☼	15.4	12.4	15.0	12.6	12.3	12.8	11.1	12.4	13.5	14.4	13.2	14.2
Glenn☼	15.7	12.5	15.3	13.0	12.3	13.1	11.2	12.7	13.6	15.3	13.9	15.0
Canada Prairie Spring Red												
AAC Crossfield☼	—	12.7	—	11.6	11.1	—	—	—	—	13.6	—	13.5
AAC Entice☼	—	11.8	—	11.8	11.3	—	—	—	—	13.6	—	13.9
AAC Tenacious VB☼	13.3	12.0	13.6	12.1	12.3	12.4	11.0	12.6	12.4	13.4	12.2	13.3
CDC Terrain☼	14.1	11.9	13.5	11.4	11.6	12.2	11.1	11.6	12.3	13.3	12.5	13.7
SY Rowyn☼	14.5	11.9	13.5	11.7	12.0	12.1	10.7	11.7	13.0	13.5	12.9	13.1
Canada Northern Hard Red												
Elgin ND☼	15.5	11.9	14.8	12.5	11.9	12.3	10.5	12.1	12.8	14.4	12.9	14.6
Faller	13.2	10.8	13.2	11.1	10.4	11.6	10.0	11.2	11.5	13.3	11.9	13.2
Prosper☼	13.4	10.7	13.2	11.1	10.7	11.8	9.9	10.8	11.6	13.0	12.1	13.3
Canada Western Special Purpose												
AAC Awesome VB☼	12.7	10.2	11.7	9.7	9.3	10.4	8.5	10.3	10.3	11.2	10.8	11.8
Alderon	12.5	10.6	12.5	9.7	9.9	10.9	8.8	10.7	11.6	11.8	10.8	12.3
Charing☼	13.6	11.6	12.8	10.4	10.1	11.3	9.8	11.2	12.5	12.2	11.6	13.1
Sparrow VB	13.1	11.4	12.5	11.0	10.0	11.2	9.8	10.6	12.8	12.7	11.9	13.4
Canada Western Soft White Spring												
AAC Chiffon☼	11.7	10.0	11.4	9.4	9.4	10.2	8.7	10.0	10.2	11.5	10.3	11.6
AAC Indus VB☼	11.6	9.5	10.7	9.5	9.3	9.7	8.2	9.6	9.8	10.7	10.1	11.2
AAC Paramount VB☼	—	9.8	—	10.0	9.4	—	—	—	—	11.5	—	11.3
Varieties supported for registration by the PRCWRT												
GP184	12.8	10.6	12.8	11.0	11.1	12.3	10.3	11.9	11.6	12.8	12.6	12.3
GP205	—	10.6	—	10.4	10.4	—	—	—	—	12.3	—	11.8
HY2003 VB	—	12.9	—	12.2	11.6	—	—	—	—	14.1	—	14.4
SITE GRAND MEAN (%)	13.5	11.3	13.1	11.1	10.8	11.6	10.0	11.3	12.0	12.9	12.0	13.1

DURUM WHEAT

New for 2018

Variety	Code	Breeder	Distributor	Seed Availability
AAC Succeed VB ¹	DT871	AAFC - Swift Current	FP Genetics	2020

Comments:

AAC Raymore¹, **AAC Stronghold¹**, **CDC Fortitude¹** and **AAC Cabri¹** have solid stems with resistance to the wheat stem sawfly.

Midge tolerant varieties are designated by the letters 'VB', which stands for Varietal Blend. The varieties contain the *Sm1* gene for tolerance. To manage against the build-up of midge resistance to the gene, an interspersed refuge is used commercially. More information on midge tolerant wheat varieties and interspersed refuge can be found at www.midgetolerantwheat.ca

Variety Descriptions

Variety	Site Years Tested	Yield bu/acre	Protein %	Maturity +/- 101 days	Height +/- 89 cm	Spike Awned	Resistance Level:									Fusarium	
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf ¹ Spots	Stem Rust	Leaf Rust	Stripe Rust	Head Blight		
AAC Cabri🌀	7	64	14.4	1	3	Y	G	F	MR	R	I	MR	R	R	MS		
AAC Congress🌀	3	66	14.1	0	3	Y	G	P	MR	R	MS	MR	R	R	MS		
AAC Current🌀	12	58	14.6	1	4	Y	G	P	MS	MR	I	R	R	MR	MS		
AAC Durafield🌀	8	67	14.3	0	0	Y	G	F	S	R	I	R	R	MR	S		
AAC Marchwell VB🌀	12	62	14.5	0	0	Y	G	P	MR	R	MS	R	R	R	MS		
AAC Raymore🌀	12	61	14.5	0	0	Y	G	F	MS	MR	I	R	R	MR	S		
AAC Spitfire🌀	9	63	14.4	0	-2	Y	VG	P	MS	R	MS	R	R	R	S		
AAC Stronghold🌀	2	64	14.0	1	-2	Y	VG	—	R	I	I	R	R	MR	MS		
AAC Succeed VB🌀	2	65	14.3	-1	1	Y	G	—	R	R	MS	MR	R	I	MS		
Brigade🌀	27	71	13.4	2	6	Y	G	F	S	R	I	R	R	MR	MS		
CDC Alloy🌀	7	67	14.0	0	4	Y	G	F	I	R	MS	MR	R	R	MS		
CDC Carbide VB🌀	9	62	14.5	0	1	Y	G	P	MS	R	MS	R	R	R	MS		
CDC Credence🌀	2	66	13.9	1	6	Y	G	—	MR	R	I	MR	R	MR	MS		
CDC Desire🌀	6	58	14.2	-2	0	Y	G	G	MS	R	I	R	R	MR	S		
CDC Dynamic🌀	7	66	14.4	0	2	Y	G	F	I	R	I	MR	R	MR	MS		
CDC Fortitude🌀	12	65	14.3	1	-1	Y	VG	F	MS	R	MS	MR	R	R	MS		
CDC Precision🌀	7	69	13.8	0	4	Y	G	F	MS	R	MS	MR	R	R	MS		
CDC Verona🌀	21	63	14.2	2	1	Y	G	F	MS	R	MS	R	R	R	MS		
CDC Vivid🌀	12	59	14.4	0	0	Y	VG	F	I	R	I	R	R	MR	S		
Enterprise🌀	12	64	14.3	0	2	Y	F	G	MS	MR	I	R	R	R	MS		
Eurostar🌀	23	66	14.0	2	4	Y	F	F	S	R	I	R	R	R	MS		
Strongfield🌀	26	61	14.5	0	0	Y	G	F	S	MR	I	R	R	MR	S		
Transcend🌀	18	65	14.1	2	5	Y	G	G	S	R	I	R	R	R	MS		
GRAND MEAN		66	13.8														
LSD (0.05)		5	0.5														

¹ Leaf Spots rating is a combination of resistance to tan spot, spot blotch and septoria leaf disease complex.

Yield Comparisons

Variety	2017 Yield (bu/acre)	
	Melita	Souris
AAC Cabri	67	114
AAC Current	61	111
AAC Marchwell VB	57	108
AAC Raymore	55	107
AAC Spitfire	60	109
AAC Succeed VB	61	124
Brigade	67	119
CDC Alloy	62	124
CDC Carbide VB	59	111
CDC Dynamic	60	130
CDC Fortitude	60	124
CDC Precision	65	124
CDC Vivid	53	109
Transcend	60	122
SITE GRAND MEAN (bu/acre)	61	117
CV %	5.6	—
LSD	6	—
Sign Diff	Yes	No
Seeding Date	15-May	19-May
Harvest Date	28-Aug	13-Sep

Protein Comparisons

Variety	2017 Protein (%)	
	Melita	Souris
AAC Cabri	10.7	13.5
AAC Current	10.2	14.5
AAC Marchwell VB	11.4	14.2
AAC Raymore	11.4	14.1
AAC Spitfire	10.2	14
AAC Succeed VB	11.7	13
Brigade	10.3	12.6
CDC Alloy	10.3	13
CDC Carbide VB	11.3	14.1
CDC Dynamic	10.7	14.4
CDC Fortitude	11.2	14.2
CDC Precision	11.2	12.4
CDC Vivid	11	12.2
Transcend	10.7	12.9
SITE GRAND MEAN (%)	10.9	13.5

WINTER WHEAT

New for 2018

Variety	Class	Code	Breeder	Distributor	Seed Availability
AAC Goldrush®	CWRW	W526	AAFC - Lethbridge	FP Genetics	2019
AAC Wildfire®	CWRW	W512	AAFC - Lethbridge	SeCan	2018
AAC Icefield®	CW EXPRMTL	W530	AAFC - Lethbridge	FP Genetics	2019

Comments:

Seed of the Canada Western Red Winter (CWRW) variety **AAC Wildfire®** will be commercially available for seeding fall 2018.

AAC Icefield® is a hard white winter wheat with interim registration in the Canada Western Experimental class.

Accipiter®, **Broadview®**, **CDC Falcon**, **Peregrine®** and **Swainson** are hard red kernel types, **Sunrise** is a soft red kernel type, and **CDC Ptarmigan** is a soft white kernel type.

Emerson® is rated Resistant (R) to Fusarium Head Blight (FHB). If disease pressure high, yield and/or quality can be reduced in R-rated varieties, due to FHB.

AAC Elevate® has resistance to wheat curl mite, the vector that transmits wheat streak mosaic virus. To preserve the effectiveness of the tolerance gene, agronomic practices eliminating the 'green bridge' of plant material that serves as a reservoir for mites should be followed whenever possible.

Variety Descriptions

Class/Variety	Site Years Tested	Yield bu/acre	Protein %	Height +/- 75 cm	Spike Awned	Relative ¹ Maturity	Relative ² Winter Hardiness	Resistance Level:					Fusarium ³ Head Blight
								Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	
Canada Western Red Winter													
AAC Elevate☪	25	80	11.4	8	Y	M	G	VG	MR	MR	I	MS	I
AAC Gateway☪	35	82	12.0	2	Y	M	F	VG	S	MR	I	MR	I
AAC Goldrush☪	7	79	11.9	10	Y	M	VG	G	S	MR	R	I	I
AAC Wildfire☪	7	88	11.0	10	Y	L	VG	G	MR	S	I	R	MR
CDC Buteo	86	80	11.3	16	Y	M	VG	G	S	I	I	S	MR
CDC Chase	30	86	11.5	19	Y	M	F	G	S	R	R	MR	MS
Emerson☪	28	84	12.2	11	Y	M	G	VG	S	R	I	MR	R
Flourish☪	35	83	11.6	5	Y	E	F	VG	MR	I	I	I	S
McClintock	59	78	11.6	19	Y	L	F	VG	S	R	MR	—	S
Moats☪	35	84	11.7	16	Y	E	G	G	MS	R	R	MR	S
Canada Western Special Purpose													
Accipiter☪	36	85	11.0	9	Y	M	G	VG	S	R	MR	S	MS
Broadview☪	38	83	11.1	6	Y	E	G	VG	S	R	R	S	S
CDC Falcon	103	79	11.4	0	Y	E	F	VG	S	MR	MR	S	S
CDC Ptarmigan	38	84	9.7	18	N	M	G	F	S	S	S	S	I
Peregrine☪	36	86	10.9	22	Y	M	VG	G	S	I	MR	MR	I
Sunrise	38	87	10.4	14	Y	M	G	G	S	MR	MR	MR	—
Swainson	20	89	10.9	20	Y	M	F	F	S	R	R	MR	—
Canada Western Experimental													
AAC Icefield☪	7	88	11.0	5	Y	M	F	VG	S	I	R	R	MS
Varieties supported for registration by the PRCWRT													
W520	18	91	11.2	8	Y	M	F	VG	I	R	R	R	I
GRAND MEAN (bu/acre)		83	11.3										
LSD (bu/acre) (0.05)		4	0.3										

1 Maturity ratings: E = Early, M = Medium and L = Late. CDC Falcon is considered an Early (E) maturing variety. Varieties plus 2 to 4 days compared to CDC Falcon would be Medium (M) maturing. Varieties greater than 4 days compared to CDC Falcon would be rated as Late (L) maturing.

2 All registered varieties have similar (good) winter hardiness if seeded at the optimum date into standing stubble where good snow cover can be assured. For the newer varieties, there is limited information currently available. As these varieties are grown on more acres, a better understanding of relative winter hardiness will follow.

3 FHB infection is highly influenced by genetics, environment and heading date. Under high levels of disease pressure, all varieties will experience yield and/or quality loss.

Yield Comparisons

Class/Variety	2017 Yield (bu/acre)								
	Arborg	Boissevain	Carberry	Carman	Hamiota	Melita	Rosebank	Stonewall	Winnipeg
Canada Western Red Winter									
AAC Elevate®	99	44	85	84	76	69	86	77	96
AAC Gateway®	104	51	79	84	72	62	91	73	95
AAC Goldrush®	100	44	85	86	70	67	77	80	108
AAC Wildfire®	113	52	96	97	85	73	104	91	115
CDC Chase	110	65	91	96	79	73	96	77	100
Canada Western Special Purpose									
CDC Falcon	111	33	85	92	69	54	—	89	92
Canada Western Experimental									
AAC Icefield®	118	67	100	89	78	71	104	77	84
Varieties supported for registration by the PRCWRT									
W520	123	69	102	107	84	77	100	94	104
SITE GRAND MEAN (bu/acre)	109	54	90	92	77	69	94	83	99
CV%	6.9	9.7	7.7	11.5	5.4	11.4	6.6	7.8	9.3
LSD (bu/acre)	—	9	12	—	7	—	—	11	14
Sig Diff	No	Yes	Yes	No	Yes	No	No	Yes	Yes
Seeding Date	02-Sep	18-Sep	20-Sep	22-Sep	17-Sep	15-Sep	13-Sep	07-Sep	15-Sep
Harvest Date	14-Aug	04-Aug	11-Aug	08-Aug	22-Aug	28-Jul	01-Aug	08-Aug	01-Aug

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WINTER WHEAT (continued)

Protein Comparisons

Class/Variety	2017 Protein (%)								
	Arborg	Boissevain	Carberry	Carman	Hamiota	Melita	Rosebank	Stonewall	Winnipeg
Canada Western Red Winter									
AAC Elevate [®]	11.0	10.2	11.8	12.1	11.9	10.7	8.3	11.1	11.5
AAC Gateway [®]	11.7	11.2	12.9	13.0	13.1	12.4	10.5	11.7	11.9
AAC Goldrush [®]	12.5	10.3	12.6	12.7	12.3	11.8	9.5	11.5	11.6
AAC Wildfire [®]	11.1	10.6	11.9	12.1	10.7	9.8	9.1	10.3	11.0
CDC Chase	11.0	10.3	12.7	13.0	10.7	10.5	10.1	11.4	11.3
Canada Western Special Purpose									
CDC Falcon	10.9	10.7	12.0	12.3	—	10.4	8.9	—	11.3
Canada Western Experimental									
AAC Icefield [®]	10.9	9.6	11.7	12.5	11.8	10.3	8.4	10.7	10.5
Varieties supported for registration by the PRCWRT									
W520	10.9	10.5	12.1	12.2	10.9	10.4	9.3	10.8	11.0
SITE GRAND MEAN (%)	11.3	10.4	12.2	12.5	11.6	10.8	9.3	11.1	11.3

FALL RYE

Comments:

The hybrid fall rye varieties KWS Bono, Brasetto and Guttino have improved falling number. A falling number of 180 seconds or greater is preferred by the rye milling market. Falling number can be heavily influenced by moisture around harvest time.

Variety Descriptions

Variety	Site Years Tested	Yield bu/acre	Height +/- 104 cm	Relative ¹ Maturity	Falling Number (Seconds)	Resistance Level:		Relative Winter Hardiness
						Lodging	Ergot	
Danko	25	101	—	—	—	—	—	F
Hazlet	46	105	0	0	152	G	MS	VG
Prima	20	96	13	-3	204	F	MS	VG
Hybrid Fall Rye								
KWS Bono	18	127	-12	0	265	VG	MS	VG
Brasetto	26	127	-11	0	248	VG	MS	VG
Guttino	26	129	-13	0	292	VG	MS	VG
GRAND MEAN (bu/acre)		114						
LSD (bu/acre) (0.05)		4						

¹ Maturity ratings: Hazlet reaches maturity in approximately 219 days.

Yield Comparisons

Type/Variety	2017 Yield (bu/ac)							
	Arborg	Beausejour	Carberry	Carman	Hamiota	Melita	Roblin	Stonewall
Hazlet	111	82	134	115	104	108	132	86
Danko	138	75	138	108	105	103	130	83
Hybrid Fall Rye								
KWS Bono	160	98	169	144	120	141	154	91
Brasetto	147	92	169	150	117	138	145	94
Guttino	146	103	173	149	128	145	155	103
SITE GRAND MEAN (bu/acre)	140	90	157	133	115	127	143	91
CV%	6.7	6.7	2.8	7.3	2.5	7.5	8.8	3.0
LSD (bu/acre)	18	11	8	15	5	18	—	5
Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Seeding Date	02-Sep	15-Sep	20-Sep	22-Sep	17-Sep	15-Sep	19-Sep	07-Sep
Harvest Date	14-Aug	28-Aug	11-Aug	11-Aug	22-Aug	28-Jul	21-Aug	14-Aug