

# Technical Bulletin

Genes that fit *your* farm.



## AAC Redstar Canada Western Red Spring Wheat



Progress Through Research  
Le progrès grâce à la recherche

### Description:

AAC Redstar is an awned CWRS variety with earlier maturity, good lodging tolerance, moderately resistant rating to FHB with low DON accumulation. AAC Redstar is well suited to all growing regions of western Canada.

**Parentage:** AAC Redwater/CDC Plentiful

### Strengths:

- Early maturity, 2-3 days earlier than AC<sup>®</sup> Carberry
- Moderately resistant rating to FHB
- Grain yield 104% of AC<sup>®</sup> Carberry over all sites in 2016 to 2018 Coop Registration trials
- Improved lodging tolerance compared to the checks
- High falling # which would indicate good resistance to preharvest sprouting
- Similar height to AAC Redwater
- Resistant to stem rust
- Moderately resistant rating to leaf rust, stripe rust and bunt

### Neutral Traits:

- 6 cm taller than AC<sup>®</sup> Carberry

### Weaknesses:

- Slightly lower grain protein than the checks

### Breeder:

Dr. Santosh Kumar  
Brandon Research and Development Centre  
Agriculture and Agri-Food Canada  
Brandon, MB

### PBR 91 Protected

## 2016-2018 Parkland Wheat Cooperative Trials - Registration Data

Variety	Yield (% of Check Mean)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/kl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Falling Number
Glenn	102	103.5	2.1	94.0	82.2	37.6	14.9	357
AC Splendor	96	99.6	3.0	98.4	78.6	38.5	15.0	403
Parata	100	100.1	3.0	93.5	80.4	36.7	15.2	445
AC <sup>®</sup> Carberry	102	102.9	2.3	86.0	80.2	39.5	14.6	372
<b>AAC Redstar</b>	<b>106</b>	<b>100.5</b>	<b>1.9</b>	<b>91.7</b>	<b>80.2</b>	<b>39.5</b>	<b>14.4</b>	<b>463</b>

'AC' is an official mark used under license from Agriculture & Agri-Food Canada

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

Jan 2023

## 2023 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Alida VB	33	72	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	97	73	14.5	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Starbuck VB	36	77	14.7	1	1	Y	G	F	MR	S	S	I	MR	MR	MR
AAC Tisdale	32	72	15.3	1	8	Y	G	F	MR	MR	MS	R	R	S	MR
AAC Wheatland VB	33	77	14.5	1	0	Y	VG	G	R	MR	S	R	R	I	I
CDC SKRush	31	75	14.7	2	4	Y	VG	P	---	I	---	MR	R	MR	MR
<b>AAC Redstar</b>	<b>31</b>	<b>72</b>	<b>14.5</b>	<b>0</b>	<b>6</b>	<b>Y</b>	<b>VG</b>	<b>G</b>	<b>---</b>	<b>MR</b>	<b>---</b>	<b>R</b>	<b>MR</b>	<b>MR</b>	<b>MR</b>

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

Variety	Years Tested	Yield as % AAC Brandon		Protein	Resistance to:									Awns	Stem Solidness	Relative Maturity (days)	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Brandon	6	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.6	81
AAC Alida VB	5	98	98	+0.1	VG	VG	R	R	MR	R	I	MS	MR	Y	H	0	+1.2	+0.2	+7
AAC Starbuck VB	5	104	108	-0.2	F	F	I	MR	MR	MR	S	S	MR	Y	H	0	0.0	+0.4	+2
AAC Tisdale	5	95	98	+0.8	F	F	R	R	S	MR	MR	MS	MR	Y	H	-2	+0.2	-0.6	+8
AAC Wheatland VB	5	104	105	-0.2	VG	G	R	R	I	R	MR	S	I	Y	H	0	-0.5	+0.1	+2
AC® Carberry	6	94	94	+0.3	VG	F	MR	R	MR	MR	R	MS	MR	Y	H	0	-0.4	-0.2	0
CDC SKRush	4	100	104	-0.2	G	P	MR	R	MR	---	I	---	MR	Y	H	-1	-3.5	-0.9	+7
Ellerslie	4	94	97	-0.1	VG	F	R	MR	R	---	S	---	I	N	H	-2	-3.2	-2.6	+8
<b>AAC Redstar</b>	<b>3</b>	<b>92</b>	<b>104</b>	<b>-0.1</b>	<b>F</b>	<b>G</b>	<b>R</b>	<b>MR</b>	<b>MR</b>	<b>---</b>	<b>MR</b>	<b>---</b>	<b>MR</b>	<b>Y</b>	<b>H</b>	<b>-2</b>	<b>-0.2</b>	<b>-1.3</b>	<b>+8</b>

## 2023 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible  
Stem Solidness: H = Hollow, SS = semi-solid, S = solid

## 2023 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Most Recent Year of Testing	Station years of testing	Overall yield	Yield Category (% AAC Brandon)		Maturity Rating (Days +/- AAC Brandon)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns (Y/N)	Resistance to:		Disease Tolerance:		
				Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
<b>AAC Brandon (bu/ac)</b>			<b>75</b>	<b>59</b>	<b>95</b>											
AAC Brandon - check	2022	101	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR
AAC Alida VB	2019	37	94	97	93	0	-0.2	63	41	91	Y	G	VG	I	MR	MR
AAC Starbuck VB	2020	36	103	104	102	0	-0.2	63	39	87	Y	F	F	S	MR	MR
AAC Tisdale	2017	37	94	94	94	-1	+0.6	63	42	93	Y	F	F	MR	S	MR
AAC Wheatland VB	2020	36	104	104	104	0	-0.5	63	40	86	Y	VG	G	MR	I	I
CDC SKRush	2022	31	100	97	104	-1	-0.1	63	33	93	Y	F	P	I	MR	MR
Ellerslie	2021	30	99	96	103	-1	-0.2	61	35	90	N	VG	G	S	R	I
Parata	2019	37	87	86	88	-4	+0.2	63	39	94	Y	F	F	S	MR	I
<b>AAC Redstar</b>	<b>2022</b>	<b>31</b>	<b>96</b>	<b>92</b>	<b>101</b>	<b>-2</b>	<b>0.0</b>	<b>63</b>	<b>36</b>	<b>90</b>	<b>Y</b>	<b>VG</b>	<b>G</b>	<b>MR</b>	<b>MR</b>	<b>MR</b>

VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)