

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## KWS® Alderon Canada Western Special Purpose Wheat

### Description:

KWS® Alderon is a very short, strong-stawed special purpose wheat with exceptionally high grain yield and late maturity. KWS® Alderon will be ideally suited to intensive management in the long season growing regions of western Canada.

Parentage: (W110 x Belvoir) x Tybalt

### Strengths:

- Exceptionally high yielding, +128% of AC® Carberry
- Excellent lodging resistance
- Very short straw, 77cm
- Large kernels
- Resistant to leaf rust and moderately resistant to stripe rust and stem rust

### Weaknesses:

- 6 days later maturing than AC® Carberry
- Lower test weight than check varieties

### Breeder:

KWS, United Kingdom

### 2013-2015 ICMS Private Registration Trials

Variety	Mean (kg/ha)	Yield as % AC Andrew	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Protein %
AC Andrew	5574	100	98	1.3	84	72	34.0	11.4
5700PR	4982	89	94	1.9	82	74	37.2	13.3
Pasteur	5397	97	100	1.2	87	76	36.4	12.2
AC® Sadash VB	5405	97	98	1.5	86	74	32.5	11.0
<b>KWS® Alderon</b>	<b>5501</b>	<b>99</b>	<b>101</b>	<b>1.0</b>	<b>77</b>	<b>66</b>	<b>34.1</b>	<b>11.9</b>

## 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 Awesome VB	33	92	11.6	4	10	Y	G	P	I	I	I	R	MR	R	I
AAC Brandon	97	73	14.5	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Paramount VB	34	87	11.5	4	8	Y	VG	P	MR	S	---	I	I	R	MS
AC® Sadash VB	35	77	10.8	4	8	Y	VG	P	I	S	---	MR	I	R	S
KWS® Sparrow VB	33	83	12.6	8	0	N	VG	G	---	I	I	MR	R	MR	---
Pasteur	39	81	13.0	7	5	N	VG	G	MS	S	I	MR	R	MR	I
WPB Whistler	31	83	11.9	7	1	N	VG	---	---	I	---	R	R	R	I
<b>KWS® Alderon</b>	<b>33</b>	<b>81</b>	<b>12.0</b>	<b>9</b>	<b>-5</b>	<b>N</b>	<b>VG</b>	<b>F</b>	<b>---</b>	<b>MS</b>	<b>I</b>	<b>MR</b>	<b>R</b>	<b>MR</b>	<b>---</b>

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

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

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

Variety	Years Tested	Yield as % AAC Brandon		Protein	Resistance to:									Awns	Stem Solid-ness	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 Awesome VB	5	125	126	-3.1	F	P	R	MR	R	I	I	I	Y	H	+1	+4.2	-1.6	+8	
AAC Paramount VB	5	122	122	-3.3	VG	P	I	I	R	MR	S	---	MS	Y	H	+1	+0.7	-2.8	+8
AC Andrew	5	122	129	-3.0	VG	P	MR	MS	I	S	S	---	I	Y	H	+1	+0.1	-3.2	+1
AC® Sadash VB	5	129	131	-3.7	VG	P	MR	I	R	I	S	---	S	Y	H	0	-0.7	-2.7	+4
KWS® Sparrow VB	5	124	125	-2.6	VG	G	MR	R	MR	---	I	I	MR	N	H	+4	-0.2	-4.3	+1
Pasteur	5	112	118	-2.0	VG	G	MR	R	MR	MS	S	I	I	N	H	+2	+0.3	-1.2	+5
WPB Whistler	3	106	120	-2.9	VG	G	R	R	R	---	I	---	MS	N	H	+3	+1.5	-4.7	-3
<b>KWS® Alderon</b>	<b>5</b>	<b>126</b>	<b>121</b>	<b>-3.0</b>	<b>VG</b>	<b>F</b>	<b>MR</b>	<b>R</b>	<b>MR</b>	<b>---</b>	<b>MS</b>	<b>I</b>	<b>MS</b>	<b>N</b>	<b>H</b>	<b>+4</b>	<b>+0.1</b>	<b>-7.4</b>	<b>-5</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

## 2023 Alberta Seed Guide – Special Purpose and Soft White Spring 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>83</b>													
AAC Brandon - check	2022		100	100	100	104	14.0	63	40	84	Y	G	P	S	MR	MR
AAC Awesome VB	2018	37	128	124	129	0	-2.5	62	44	92	Y	G	P	I	R	I
AAC Paramount VB	2019	39	125	116	127	0	-3.0	61	41	89	Y	VG	P	S	R	MS
AC Andrew	2022	57	119	113	122	+1	-3.1	62	40	85	Y	VG	P	S	I	I
AC® Sadash VB	2019	39	125	118	127	0	-3.2	63	40	88	Y	VG	P	S	R	S
KWS® Sparrow VB	2018	37	128	122	130	+4	-2.6	60	41	85	N	VG	G	I	MR	MR
Pasteur	2021	41	120	115	122	+3	-2.0	61	41	85	N	VG	G	S	MR	I
WPB Whistler	2021	27	120	113	122	+3	-2.6	59	41	78	N	VG	XX	I	R	MS
<b>KWS® Alderon</b>	<b>2018</b>	<b>37</b>	<b>128</b>	<b>116</b>	<b>131</b>	<b>+4</b>	<b>-2.8</b>	<b>58</b>	<b>41</b>	<b>81</b>	<b>N</b>	<b>VG</b>	<b>F</b>	<b>MS</b>	<b>MR</b>	<b>MS</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)