

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## KWS<sup>®</sup> Sparrow VB Canada Western Special Purpose Wheat

### Description:

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

Certified seed of KWS<sup>®</sup> Sparrow VB will be sold as a varietal blend made up of 90% KWS<sup>®</sup> Sparrow and 10% KWS<sup>®</sup> Alderon. Blending with the midge susceptible variety KWS<sup>®</sup> Alderon provides a refuge area for non-virulent midge to survive at low levels, thereby extending the useful life of the *Sm1* midge tolerant gene.

**Parentage: (Chablis x Status) x Chablis**

### Strengths:

- Exceptionally high yield potential
- Excellent lodging resistance
- Very short straw, 82cm
- Large kernels
- Resistant to leaf rust and moderately resistant to stripe rust and stem rust

### Neutral Traits:

- Lower test weight than the check varieties

### Weaknesses:

- 6 days later maturing than AC<sup>®</sup> Carberry

### Breeder:

KWS, United Kingdom

### 2013-2015 ICMS High Yielding Wheat Private Registration Trials

Variety	Mean (kg/ha)	Yield as % of 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 <sup>®</sup> Sadash VB	5405	97	98	1.5	86	74	32.5	11.0
<b>KWS<sup>®</sup> Sparrow VB</b>	<b>5740</b>	<b>103</b>	<b>101</b>	<b>1.1</b>	<b>82</b>	<b>72</b>	<b>35.6</b>	<b>12.2</b>

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

## 2022 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 Brandon	85	71	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Awesome VB	33	89	11.5	4	10	Y	G	P	I	I	I	R	MR	R	I
AAC Paramount	34	84	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® Alderon	33	78	12.0	9	-5	N	VG	F	---	MS	I	MR	R	MR	---
Pasteur	39	79	12.9	7	5	N	VG	G	MS	S	I	MR	R	MR	I
WPB Whistler	31	80	11.8	7	1	N	VG	---	---	I	---	R	R	R	I
<b>KWS® Sparrow VB</b>	<b>33</b>	<b>81</b>	<b>12.5</b>	<b>8</b>	<b>0</b>	<b>N</b>	<b>VG</b>	<b>G</b>	<b>---</b>	<b>I</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

## 2022 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	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Brandon	6	100	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.5	81
AAC Awesome VB	5	125	126	127	-3.0	F	P	R	MR	R	I	I	I	I	Y	H	+1	+4.0	-1.7	+7
AAC Paramount VB	5	122	122	128	-3.2	VG	P	I	I	R	MR	S	---	MS	Y	H	+1	+0.5	-2.9	+7
AC Andrew	5	122	129	---	-2.9	VG	P	MR	MS	I	S	S	---	I	Y	H	+1	-0.2	-3.3	0
AC® Sadash VB	5	129	131	---	-3.6	VG	P	MR	I	R	I	S	---	S	Y	H	0	-1.0	-2.8	+3
KWS® Alderon	5	126	121	121	-2.9	VG	F	MR	R	MR	---	MS	I	MS	N	H	+4	-0.1	-7.6	-5
Pasteur	5	112	118	---	-1.9	VG	G	MR	R	MR	MS	S	I	I	N	H	+2	+0.1	-1.4	+4
WPB Whistler	2	99	115	---	-2.9	VG	---	R	R	R	---	I	---	MS	---	H	+3	+1.6	-4.4	-4
<b>KWS® Sparrow VB</b>	<b>5</b>	<b>124</b>	<b>125</b>	<b>128</b>	<b>-2.5</b>	<b>VG</b>	<b>G</b>	<b>MR</b>	<b>R</b>	<b>MR</b>	<b>---</b>	<b>I</b>	<b>I</b>	<b>MR</b>	<b>N</b>	<b>H</b>	<b>+4</b>	<b>-0.4</b>	<b>-4.4</b>	<b>0</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

## 2022 Alberta Seed Guide – Special Purpose and Soft White Spring Wheat Comparison

Variety	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:		
	Station years of testing	Overall yield	Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
<b>AAC Brandon (bu/ac)</b>		<b>83</b>	<b>52</b>	<b>93</b>											
AAC Brandon - check		100	100	100	104	14.0	63	40	84	Y	G	P	S	MR	MR
AAC Awesome VB	37	128	124	129	0	-2.5	62	44	92	Y	G	P	I	R	I
AAC Paramount VB	39	125	116	127	0	-3.0	61	41	89	Y	VG	P	S	R	MS
AC Andrew	44	121	115	123	+1	-3.1	61	40	85	Y	VG	P	A	I	I
AC® Sadash VB	39	125	118	127	0	-3.2	63	40	88	Y	VG	P	A	R	S
KWS® Alderon	37	128	116	131	+4	-2.8	58	41	81	N	VG	F	MS	MR	MS
Pasteur	41	120	115	122	+3	-2.0	61	41	85	N	VG	G	S	MR	I
WPB Whistler	27	120	113	122	+3	-2.6	59	41	78	N	VG	XX	I	R	MS
<b>KWS® Sparrow VB</b>	<b>37</b>	<b>128</b>	<b>122</b>	<b>130</b>	<b>+4</b>	<b>-2.6</b>	<b>60</b>	<b>41</b>	<b>85</b>	<b>N</b>	<b>VG</b>	<b>G</b>	<b>I</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

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