

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
KWS[®] Alderon	5501	99	101	1.0	77	66	34.1	11.9

For more information, call 1-800-665-7333 or visit www.secan.com

2018 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 91cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Awesome VB	20	87	11.4	+4	+10	Y	G	---	I	I	I	R	MR	R	I
AAC Brandon	59	69	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Penhold	44	73	13.9	+1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AC Andrew	30	76	10.9	+4	+3	Y	VG	P	S	S	---	MR	MS	I	I
KWS® Charing VB	20	78	12.5	+9	0	N	VG	---	---	---	MR	---	MR	R	---
KWS® Sparrow VB	20	80	12.5	8	0	N	VG	---	---	I	I	MR	R	MR	---
Pasteur	39	77	12.9	+7	+5	N	VG	G	MS	S	I	MR	R	MR	I
KWS® Alderon	20	77	11.9	+9	-5	N	VG	---	---	MS	I	MR	R	MR	---

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

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

2018 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of Carberry			Protein	Resistance to:									Relative Maturity (days)	Head Awedness	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					
AC® Carberry	6	100	100	100	14.6	VG	F	MR	R	MR	MR	R	MS	MR	99	Y	34.8	80.3	82
AAC Awesome VB	2	131	134	---	-3.5	F	P	R	MR	R	I	I	I	I	0	Y	+4.9	-0.8	+6
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.4	-0.1	0
AC Andrew	5	130	137	---	---	VG	P	MR	MS	I	S	S	---	I	+2	Y	-1.4	-5.0	+3
KWS® Charing VB	2	130	132	---	-2.8	VG	G	---	MR	R	---	---	MR	---	+5	N	+1.3	-3.5	-1
KWS® Sparrow VB	2	131	133	---	-2.7	VG	G	MR	R	MR	---	I	I	---	+4	N	+0.4	-3.7	0
Pasteur	5	127	133	---	-2.5	VG	G	MR	R	MR	MS	S	I	I	+3	N	+1.0	-1.2	+3
KWS® Alderon	2	131	131	---	-3.3	VG	F	MR	R	MR	---	MS	I	---	+4	N	+0.9	-6.9	-5

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

2018 Alberta Seed Guide – CPS & GP Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating	Protein %	Test Weight (lb/bu)	TSW (g)	Height (cm)	Resistance to:		Disease Tolerance						
	All Sites	Station years of testing	Low < 45 bu/ac	Med 45 - 70 bu/ac	High >70 bu/ac						Lodging	Sprouting	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
AC Barrie(bu/ac)	66		42	66	92														
AC Barrie	100		100	100	100	M	14.2	63	40	90	G	G	MR	I	S	MS	I		
AC® Carberry	106+		107+	107+	103	L	0.1	63	40	79	VG	F	MR	R	MR	MS	MR		
AAC Awesome VB	104+	26	141	135+	142+	L	-2.7	62	43	89	G	P	I	I	R	I	I		
KWS® Charing VB	143+	26	134	144+	145+	VL	-2.4	61	41	80	VG	G	xx	xx	R	MR	xx		
KWS® Sparrow VB	141+	26	133+	143+	143+	VL	-2.5	61	41	80	VG	G	xx	I	MR	I	xx		
Pasteur	140+	43	139+	142+	139+	VL	-2	63	41	81	VG	G	MS	S	MR	I	I		
KWS® Alderon	137+	26	125	133+	146+	VL	-2.9	58	41	75	VG	F	xx	MS	MR	I	xx		

Ratings: 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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