

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

KWS[®] Charing Canada Western Special Purpose Wheat

Description:

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

Parentage: Sparrow/Granary

Strengths:

- Exceptionally high yield potential
- Excellent lodging resistance
- Very short straw, 81cm
- Large kernels
- Resistant to stripe rust and moderately resistant to leaf rust and leaf spot

Neutral Traits:

- Lower test weight than check varieties

Weaknesses:

- 6 days later maturing than AC[®] Carberry
- Susceptible to common bunt

Breeder:

KWS, United Kingdom

Plant Breeders' Rights applied for

2014-2015 Ag-Quest 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	5707	100	97	1.3	81	74	33.7	11.4
5700PR	4982	87	94	1.9	82	74	37.2	13.4
Pasteur	5483	96	99	1.3	84	44	34.7	12.2
AC [®] Sadash	5329	93	97	1.7	84	76	31.7	10.9
KWS[®] Charing	5529	97	101	1.2	81	73	34.0	12.4

2017 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	6	80	11.4	+4	+10	Y	G	---	I	I	I	R	MR	R	I
AAC Brandon	45	65	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Penhold	43	70	13.9	+1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AC Andrew	30	72	10.9	+4	+3	Y	VG	P	S	S	---	MR	MS	I	I
KWS® Alderon	6	67	12.1	+9	-5	N	VG	---	---	MS	I	MR	R	MR	---
Pasteur	40	73	12.9	+7	+5	N	VG	G	MS	S	I	MR	R	MR	I
KWS® Sparrow VB	6	73	12.4	8	0	N	VG	---	---	I	I	MR	R	MR	---
KWS® Charing	6	71	12.5	+9	0	N	VG	---	---	---	MR	---	MR	R	---

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

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

2017 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	100	Y	34.5	79.0	83
AAC Awesome	1	137	130	---	-5	F	---	R	MR	R	I	I	I	I	0	Y	+5.2	-1.5	+6
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.5	-0.1	0
AC Andrew	5	129	136	---	---	VG	P	MR	MS	I	S	S	---	I	+2	Y	-1.4	-5.0	+3
KWS® Alderon		Insufficient Data																	
Pasteur	5	126	132	---	-2.5	VG	G	MR	R	MR	MS	S	I	I	+3	N	+1.4	-1.2	+3
KWS® Sparrow VB	1	137	131	---	-3.7	VG	---	MR	R	MR	---	I	I	---	+4	N	-1.6	-3.6	0
KWS® Charing	1	134	128	---	-3.6	VG	---	---	MR	R	---	---	MR	---	+5	N	+1.4	-3.6	-2

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