

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Spitfire Canada Western Amber Durum



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Spitfire is a conventional Canada Western Amber Durum with excellent grain yield potential, good lodging tolerance and a good disease package. AAC Spitfire is similar to AC® Strongfield in maturity, test weight, height and low cadmium content. AAC Spitfire should be a good fit in all durum growing areas of Western Canada.

Parentage: Sachem/AC® Strongfield//DT757

Strengths:

- 8% higher grain yield than AC® Strongfield
- Improved lodging tolerance compared to AC® Strongfield
- Slightly shorter than AC® Strongfield
- Resistant to common bunt as well as stem, leaf and stripe rust
- Maturity = AC® Strongfield
- Low grain cadmium

Neutral Traits:

- Moderately susceptible to leaf spot and loose smut
- -0.4% Protein compared to AC® Strongfield

Weaknesses:

- Susceptible to FHB

Breeder:

Dr. Ron DePauw
Semiarid Prairie Agricultural Research Centre
Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Protected

2010-2013 Western Canadian Durum Cooperative Trials - Registration Data

Variety	Yield (% of AC® Strongfield)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Grain Protein (%)	Kernel Weight (mg)	Gluten Strength Index %
AC® Strongfield	100	105.0	2.8	90.8	14.2	41.3	58
AC Avonlea	94	105.3	2.3	92.2	14.3	40.2	17
AC Navigator	90	106.1	2.3	79.6	13.5	43.6	64
AAC Spitfire	108	105.3	1.7	88.9	13.8	42.1	60

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

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2017 Seed Manitoba – Durum Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 101 days	Height +/- 89cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Strongfield	26	60	14.7	0	0	Y	G	F	S	MR	I	R	R	MR	S
AAC Cabri	5	61	14.8	1	+3	Y	G	P	MR	R	I	MR	R	R	MS
AAC Durafield	8	65	14.5	0	0	Y	G	F	S	R	I	R	R	MR	S
AAC Marchwell VB	10	61	14.6	0	0	Y	G	P	MR	R	MS	R	R	R	MS
AAC Raymore	10	60	14.7	0	0	Y	G	F	MS	MR	I	R	R	MR	S
AC® Eurostar	23	64	14.2	2	+4	Y	F	F	S	R	I	R	R	R	MS
AAC Spitfire	7	61	14.8	0	-2	Y	VG	P	MS	R	MS	R	R	R	S

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 - Canada Western Amber Durum

Variety	Area 1&2	Area 3&4	Irrigation	Protein	Resistance to:									Maturity (days)	Awns	Seed Weight (mg)	Volume Weight (Kg/hl)	Height (cm)
					Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB					
AC® Strongfield	100	100	100	14.4	P	F	R	R	MR	S	MR	I	S	105	Y	42.1	79.2	89
AAC Cabri	107	102	104	-0.3	P	F	MR	R	R	MR	R	I	MS	+1	Y	-0.1	+0.8	+3
AAC Durafield	102	105	112	-0.2	P	F	R	R	MR	S	R	I	S	0	Y	-0.5	+0.2	0
AAC Marchwell VB	99	104	90	-0.1	P	P	R	R	R	MR	R	MS	MS	0	Y	-2.7	-0.6	0
AAC Raymore	95	99	93	+0.2	P	F	R	R	MR	MS	MR	I	S	-1	Y	+1.8	-0.1	0
AC® Eurostar	99	104	102	-0.5	P	F	R	R	R	S	R	I	MS	+2	Y	+0.6	+0.8	+4
Transcend	102	105	93	-0.3	F	G	R	R	R	S	R	I	MS	+2	Y	-1.4	0.0	+8
AAC Spitfire	109	112	111	-0.6	G	P	R	R	R	MS	R	MS	S	0	Y	+0.8	-0.4	-2

F=Fair; G=Good; VG=Very Good; P=Poor; VP=Very Poor;

2017 Alberta Seed Guide - Canada Western Amber Durum

Variety	Overall Yield		Test Yield Category			Maturity Rating	Protein %	Test Weight (lb/bu)	Kernel Weight (mg)	Height (cm)	Lodging	Sprouting	Disease Tolerance				
	All Sites	Station years of testing	Low <45 bu/ac	Medium 45-75 bu/ac	High >75 bu/ac								Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
Yield as % of AC® Strongfield																	
AC® Strongfield	100	128	100	100	100	M	14.1	62	46	84	F	F	S	I	MR	MS	S
AAC Cabri	94-	25	98	93-	XX	M	0.1	62	45	86	G	P	MR	R	R	I	MS
AAC Durafield	99	22	XX	99	XX	M	-1	64	46	76	F	F	S	R	MR	I	MS
AAC Marchwell VB	99	32	107	96	98	M	-0.1	63	46	83	F	F	MR	R	R	MS	MS
AAC Raymore	97	34	99	98	94	M	0.8	62	47	82	F	F	MS	MR	MR	I	S
AC® Eurostar	102	47	100	105+	99	L	XX	64	47	88	G	F	MS	MR	R	I	MS
Transcend	102	35	102	103	100	M	XX	62	47	89	F	F	S	R	R	I	MS
AAC Spitfire	97	25	100	96	XX	M	-0.4	61	46	82	G	P	MS	R	R	MS	S

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

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