

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Cabri (Solid Stem) Canada Western Amber Durum



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Cabri is a solid stem Canada Western Amber Durum which provides excellent wheat stem sawfly tolerance. AAC Cabri also has improved grain yield potential, high test weight, good pigment content, good gluten strength and low grain Cadmium. AAC Cabri should be a good fit in all durum growing areas of Western Canada.

Parentage: A9918-LX2B/ AC[®] Strongfield

Strengths:

- 8% higher grain yield than AC[®] Strongfield
- Solid stem for excellent wheat stem sawfly tolerance
- Resistant to common bunt as well as leaf and stripe rust
- Moderately resistant to loose smut and stem rust
- Low grain cadmium

Neutral Traits:

- 3.5cm taller than AC[®] Strongfield
- Lodging = AC[®] Strongfield
- Approximately 1 day later maturing than AC[®] Strongfield
- -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 Cabri	108	105.8	2.8	94.3	13.8	41.2	55

AC[®] is an official mark used under license from Agriculture & Agri-Food Canada

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

2020 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	62	14.4	0	0	Y	G	F	S	MR	I	R	R	MR	S
AAC Grainland	2	66	14.1	+1	+1	Y	G	---	R	R	MS	MR	R	R	MS
AAC Raymore	14	62	14.4	0	0	Y	G	F	MS	MR	I	R	R	MR	S
AAC Spitfire	11	65	14.3	0	-2	Y	VG	F	MS	R	MS	R	R	R	S
AAC Stronghold	4	64	14.0	+1	-2	Y	VG	G	R	I	I	R	R	MR	MS
AAC Cabri	9	65	14.1	+1	+3	Y	G	F	MR	R	I	MR	R	R	MS

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

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

2020 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	14.3	P	F	R	R	MR	R	MR	I	S	102	Y	43.0	79.7	89
AAC Grainland	105	112	---	-0.1	F	G	MR	R	R	R	R	MS	MS	+1	Y	0.0	-0.5	+1
AAC Raymore	95	99	93	+0.2	P	F	R	R	MR	MS	MR	I	S	-1	Y	+1.8	-0.1	0
AAC Spitfire	108	110	111	-0.4	G	F	R	R	R	MS	R	MS	S	0	Y	+0.3	-0.3	-1
AAC Stronghold	102	102	112	-0.2	VG	G	R	R	MR	R	I	I	MS	+2	Y	+0.4	+0.8	-2
Transcend	102	105	93	-0.3	F	G	R	R	R	S	R	I	MS*	+2	Y	-1.4	0.0	+8
AAC Cabri	105	104	103	-0.3	P	F	MR	R	R	MR	R	I	MS	+1	Y	-0.8	+0.8	+3

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

2019 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 45-70 bu/ac	High >70 bu/ac								Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
Yield as % of AC® Strongfield																	
AC® Strongfield	100		100	100	100	M	14.3	63	45	84	F	F	S	I	MR	MS	S
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
AAC Spitfire	97	25	100	96	XX	M	-0.4	61	46	82	G	P	MS	R	R	MS	S
AAC Stronghold	99	13	XX	XX	102	L	-0.3	62	47	79	VG	G	R	I	MR	I	MS
Transcend	100	50	100	102	99	M	0.8	63	45	87	F	F	S	R	R	I	MS
AAC Cabri	94	25	98	93	XX	M	0.1	62	45	86	G	P	MR	R	R	I	MS

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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