

Technical Bulletin

Genes that fit your farm.

SeCan

Canada's Seed Partner

AAC Grainland (Solid Stem) Canada Western Amber Durum



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Grainland is a solid stem Canada Western Amber Durum with excellent grain yield potential, fair lodging tolerance and a good disease package. The solid stem of AAC Grainland provides excellent wheat stem sawfly tolerance. AAC Grainland should be a good fit in all dryland durum growing areas of Western Canada. If growing under irrigation then we would suggest the use of a plant growth regulator.

Parentage: A0463&AP018/Transcend

Strengths:

- 10% higher grain yield than AC® Strongfield
- Good sprouting tolerance rating
- Similar height to AC® Strongfield, 1cm taller
- Rated resistant to common bunt, loose smut as well as leaf and stripe rust
- Moderately resistant to stem rust
- Low grain cadmium

Neutral Traits:

- 1 day later maturity than AC® Strongfield
- -0.2% Protein compared to AC® Strongfield
- Moderately susceptible to FHB and leaf spot

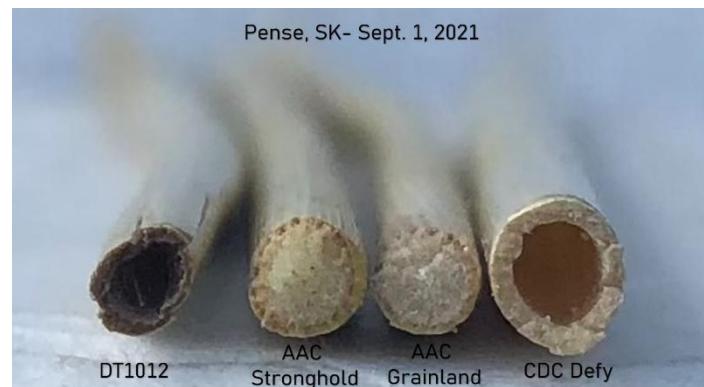
Weaknesses:

- Fair rating to lodging tolerance, improved compared to AC® Strongfield

Breeder:

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Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Protected



Hollow Stem vs Solid Stem

2015-2017 Western Canadian Durum Cooperative Trials - Registration Data

Variety	Yield (% of AC® Strongfield)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Grain Protein (%)	TKW (g)	Gluten Strength Index %
AC® Strongfield	100	98.6	3.9	86.5	14.2	40.3	72
AC Navigator	93	99.0	3.3	75.8	13.7	42.7	80
Brigade	108	101.4	2.6	94.2	13.4	42.2	92
AAC Cabri	102	100.4	3.9	88.9	14.0	40.1	71
AAC Grainland	110	99.9	3.0	87.8	14.0	40.3	83

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

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2026 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	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB	
AAC Frontier	2	64	14.2	+2	0	Y	G	G	---	R	---	R	R	R	I	
AAC Schrader	2	67	14.2	+2	+4	Y	G	F	---	MR	---	R	R	R	I	
AAC Stronghold	4	64	14.1	+1	-2	Y	VG	G	R	I	I	R	R	MR	MS	
CDC Defy	2	65	13.9	0	+4	Y	G	F	---	R	---	MR	R	I	MS	
CDC Vanta	2	60	14.3	+4	-11	Y	G	G	---	R	---	I	R	R	MS	
CDC Wiseton	2	64	14.5	+2	+1	Y	F	---	---	R	---	R	MR	I	I	
AAC Grainland	4	66	14.2	+1	+1	Y	F	G	R	R	MS	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

2026 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum

Variety	Years Tested	Yield % AAC Schrader			Protein	Resistance to:									Head Awns	Stem Solid- ness	Rel. Maturity (days)	Seed Weight (mg)	Volume Weight (Kg/hl)	Height (cm)
		Area 1&2	Area 3&4	Irrig ation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Schrader	5	100	100	100	14.0	F	F	R	R	R	---	MR	---	I	Y	H	102	41.9	80.2	93
AAC Frontier	2	102	101	---	-0.2	F	G	R	R	R	---	R	---	I	Y	H	0	+0.6	+0.1	-3
AAC Spitfire	5	101	102	103	-0.1	G	F	R	R	R	MS	R	MS	S	Y	H	-1	+1.0	-0.6	-6
AAC Stronghold	5	97	93	104	0.0	VG	G	R	R	MR	R	I	I	MS	Y	S	+1	+1.9	+0.2	-8
CDC Defy	5	103	104	102	-0.6	G	F	MR	R	I	---	R	---	MS ⁶	Y	H	-1	-2.1	+0.8	-1
CDC Vanta	5	101	93	99	-0.3	VG	G	I	R	R	---	R	---	MS	Y	H	+2	+0.1	+0.4	-13
CDC Wiseton	3	96	97	100	+0.3	F	F	R	MR	I	---	R	---	I	Y	H	0	+0.6	-0.5	-2
Transcend	5	95	98	86	+0.1	F	G	R	R	S	R	I	MS ⁶	Y	H	0	-0.1	-0.4	+2	
AAC Grainland	5	99	100	93	+0.1	F	G	MR	R	R	R	MS	MS	Y	S	0	+0.5	-1.1	-5	

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

Stem Solidness: H = Hollow, SS = semi-solid, S = solid; MS⁶ = these varieties generally express lower Fusarium Head Blight symptoms compared to other MS rated cultivars

2026 Alberta Seed Guide - Canada Western Amber Durum

Variety	Most Recent Year of Testing	Overall Station years of testing	Overall Yield	Yield as % of AAC Schrader		Maturity Rating (days +/- AAC Schrader)	Protein (%)	Test Weight (lb/bu)	Kernel Weight (mg)	Height (cm)	Resistance to:		Disease Tolerance:		
				Low <77 bu/ac	High >77 bu/ac						Lodging	Sprouting	Bunt	Stripe Rust	FHB
AAC Schrader (bu/ac)				77	57	110									
AAC Schrader	2025	148	100	100	100	100	14.5	65	40	88	F	F	MR	R	I
AAC Frontier	2025	29	102	105	98	+1	+0.2	64	41	85	G	G	R	R	I
AAC Stronghold	2025	39	94	91	97	-1	-0.2	65	42	81	VG	G	I	MR	MS
CDC Defy	2021	18	95	95	93	0	-1.0	66	40	87	G	F	R	I	MS
CDC Vanta	2023	12	89	XX	88	+2	-0.5	65	40	73	VG	G	R	R	MS
CDC Wiseton	2025	37	93	94	92	0	+0.4	64	41	87	F	F	R	I	I
Transcend	2022	55	91	92	90	0	+0.3	65	40	90	F	G	R	R	MS
AAC Grainland	2020	11	88	88	XX	0	-0.3	64	39	83	F	G	R	R	MS

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