

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Vantta Canada Western Amber Durum



PVP

Progress Through Research
Le progrès grâce à la recherche

Description:

CDC Vantta is a semi-dwarf, hollow stem durum, with dark black awns, excellent grain yield potential and very strong straw. CDC Vantta has high yellow grain pigment and superior pasta colour giving it excellent end-use suitability. CDC Vantta also has low cadmium, high falling number and strong gluten strength. CDC Vantta should be a good fit in all durum growing areas of western Canada.

Parentage: D06.76.042/D05.15.089

Strengths:

- 10% higher yield than AC Navigator and 4% higher grain yield than AC® Strongfield in Coop registration trials
- Semi-dwarf, 1 cm taller than AC Navigator and 10 cm shorter than AC® Strongfield
- Very good lodging tolerance, similar to Brigade
- Very high gluten strength, index of 97%
- High falling # of 510 compared to 388 for AC® Strongfield and 462 for AC Navigator
- Rated resistant to leaf rust, stripe rust and bunt

Neutral Traits:

- Rated intermediate resistance to stem rust

Weaknesses:

- Late maturity, +2 days compared to AC Navigator and +4 days compared to AC® Strongfield
- Rated moderately susceptible to FHB

Breeder:

Dr. Curtis J. Pozniak
Crop Development Centre
University of Saskatchewan
Saskatoon, SK

**PBR 91 Applied for
PVP Granted**

2018-2020 Western Canadian Durum Cooperative Trials - Registration Data

Variety	Yield (% of AC® Strongfield)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Grain Protein (%)	Test Weight (kg/hl)	TKW (g/1000k)	Gluten Strength Index %
AC® Strongfield	100	98.0	2.2	87	14.2	81.0	44.0	76
AC Navigator	95	99.8	2.0	76	13.5	81.6	46.5	73
Brigade	105	100.4	1.5	94	13.7	80.7	44.0	90
AAC Cabri	102	99.4	2.6	91	13.8	81.4	41.8	69
CDC Vantta	104	102.0	1.4	77	13.4	81.7	42.5	97
# of sites	28	23	7	29	29	29	29	

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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 Grainland	4	66	14.2	+1	+1	Y	F	G	R	R	MS	MR	R	R	MS
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 Wiseton	2	64	14.5	+2	+1	Y	F	---	---	R	---	R	MR	I	I
CDC Vantta	2	60	14.3	+4	-11	Y	G	G	---	R	---	I	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	Irrigation		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 Grainland	5	99	100	93	+0.1	F	G	MR	R	R	R	R	MS	MS	Y	S	0	+0.5	-1.1	-5
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 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	R	S	R	I	MS ⁶	Y	H	0	-0.1	-0.4	+2
CDC Vantta	5	101	93	99	-0.3	VG	G	I	R	R	---	R	---	MS	Y	H	+2	+0.1	+0.4	-13

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 Grainland	2020	11	88	88	XX	0	-0.3	64	39	83	F	G	R	R	MS
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 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
CDC Vantta	2023	12	89	XX	88	+2	-0.5	65	40	73	VG	G	R	R	MS

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