

Technical Bulletin

Genes that fit *your* farm.



CDC Vantta Canada Western Amber Durum



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

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2024 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum

Variety	Years Tested	Yield % AC® Strongfield			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							
AC® Strongfield	6	100	100	100	14.3	P	F	R	R	MR	R	MR	I	S	Y	H	101	42.9	79.7	87	
AAC Antler	2	108	104	---	0.0	F	F	R	R	R	---	R	---	MS ⁶	Y	H	+1	-1.9	+0.9	+2	
AAC Grainland	5	105	108	104	-0.2	F	G	MR	R	R	R	R	MS	MS	Y	S	+1	-0.4	-0.6	+1	
AAC Spitfire	5	108	110	111	-0.4	G	F	R	R	R	MS	R	MS	S	Y	H	0	0.0	-0.1	-1	
AAC Stronghold	5	101	100	112	-0.3	VG	G	R	R	MR	R	I	I	MS	Y	S	+2	+0.9	+0.7	-2	
CDC Defy	5	111	111	115	-0.9	G	F	MR	R	I	---	R	---	MS ⁶	Y	H	0	-3.0	+1.3	+4	
Transcend	5	102	105	93	-0.1	F	G	R	R	R	S	R	I	MS ⁶	Y	H	+1	-1.1	+0.1	+7	
CDC Vantta	3	109	97	113	-0.8	G	G	I	R	R	---	R	---	MS	Y	H	+3	-0.9	+1.0	-8	

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

2024 Alberta Seed Guide - Canada Western Amber Durum

Variety	Most Recent Year of Testing	Overall Station years of testing	Overall Yield	Yield as % of AC® Strongfield		Maturity Rating (days +/- AC® Strongfield)	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
AC® Strongfield (bu/ac)				68	54	100									
AC® Strongfield	2023	180	100	100	100	107	14.5	62	44	86	F	F	MR	MR	S
AAC Antler	2023	33	102	104	100	+1	+0.2	63	42	87	F	F	R	R	MS
AAC Grainland	2020	11	97	97	XX	+1	-0.5	62	43	86	F	G	R	R	MS
AAC Spitfire	2016	21	98	98	XX	0	-0.6	61	46	83	G	F	R	R	S
AAC Stronghold	2023	29	104	101	108	+1	-0.5	62	45	83	VG	G	I	MR	MS
CDC Defy	2021	18	105	106	102	0	-1.0	63	42	90	G	F	R	I	MS
Transcend	2022	55	101	102	99	+1	+0.2	62	42	93	F	G	R	R	MS
CDC Vantta	2023	12	101	XX	99	+4	-0.7	62	42	76	VG	G	R	R	MS

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