

# 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<sup>®</sup> Strongfield in Coop registration trials
- Semi-dwarf, 1 cm taller than AC Navigator and 10 cm shorter than AC<sup>®</sup> Strongfield
- Very good lodging tolerance, similar to Brigade
- Very high gluten strength, index of 97%
- High falling # of 510 compared to 388 for AC<sup>®</sup> 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<sup>®</sup> 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 <sup>®</sup> Strongfield)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Grain Protein (%)	Test Weight (kg/hl)	TKW (g/1000k)	Gluten Strength Index %
AC <sup>®</sup> 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
<b>CDC Vantta</b>	<b>104</b>	<b>102.0</b>	<b>1.4</b>	<b>77</b>	<b>13.4</b>	<b>81.7</b>	<b>42.5</b>	<b>97</b>
<b># of sites</b>	<b>28</b>	<b>23</b>	<b>7</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	

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Jan 2025

## 2025 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum

Variety	Years Tested	Yield % AAC Schrader			Protein	Resistance to:										Head Awns	Stem Solidness	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	4	100	100	100	14.0	F	F	R	R	R	---	MR	---	I	Y	H	102	41.6	80.2	93	
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	
AC® Strongfield	6	93	93	92	+0.3	P	F	R	R	MR	R	MR	I	S	Y	H	-1	+1.0	-0.5	-5	
CDC Defy	5	103	104	102	-0.6	G	F	MR	R	I	---	R	---	MS <sup>6</sup>	Y	H	-1	-2.1	+0.8	-1	
CDC Wiseton	2	97	98	---	+0.3	F	---	R	MR	I	---	R	---	I	Y	H	0	+0.5	-0.7	-2	
Transcend	5	95	98	86	+0.1	F	G	R	R	R	S	R	I	MS <sup>6</sup>	Y	H	0	-0.1	-0.4	+2	
<b>CDC Vantta</b>	<b>4</b>	<b>101</b>	<b>92</b>	<b>99</b>	<b>-0.4</b>	<b>VG</b>	<b>G</b>	<b>I</b>	<b>R</b>	<b>R</b>	<b>---</b>	<b>R</b>	<b>---</b>	<b>MS</b>	<b>Y</b>	<b>H</b>	<b>+2</b>	<b>+0.1</b>	<b>+0.5</b>	<b>-14</b>	

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; MS<sup>6</sup> = these varieties generally express lower Fusarium Head Blight symptoms compared to other MS rated cultivars

## 2025 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 +/- 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
<b>AAC Schrader</b>				<b>77</b>	<b>111</b>										
AAC Schrader	2024	131	100	100	100	100	14.5	65	40	88	F	F	MR	R	I
AAC Grainland	2020	11	88	88	XX	0	-0.3	64	39	83	F	G	R	R	MS
AAC Stronghold	2024	32	94	92	97	-1	-0.5	65	43	81	VG	G	I	MR	MS
AC® Strongfield	2024	124	91	91	91	-1	0.0	64	42	83	P	F	MR	MR	S
CDC Defy	2021	18	95	95	93	0	-1.0	66	40	87	G	F	R	I	MS
CDC Wiseton	2024	30	94	95	90	0	+0.3	64	42	86	F	XX	R	I	I
Transcend	2022	55	91	92	90	0	+0.3	65	40	90	F	G	R	R	MS
<b>CDC Vantta</b>	<b>2023</b>	<b>12</b>	<b>89</b>	<b>XX</b>	<b>88</b>	<b>+2</b>	<b>-0.5</b>	<b>65</b>	<b>40</b>	<b>73</b>	<b>VG</b>	<b>G</b>	<b>R</b>	<b>R</b>	<b>MS</b>

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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