

# 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<br>(% of AC®<br>Strongfield) | Maturity<br>(days) | Lodging<br>1 = erect<br>9 = flat | Height<br>(cm) | Grain<br>Protein<br>(%) | Test<br>Weight<br>(kg/hl) | TKW<br>(g/1000k) | Gluten<br>Strength<br>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                            |
| <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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## 2026 Seed Manitoba – Durum Wheat Comparison

| Variety           | Site<br>Years<br>Tested | Yield<br>bu/ac | Protein %   | Maturity<br>+/-<br>101 days | Height<br>+/-<br>89cm | Spike<br>Awned | Resistance to: |           |               |                |              |              |              |                |           |  |
|-------------------|-------------------------|----------------|-------------|-----------------------------|-----------------------|----------------|----------------|-----------|---------------|----------------|--------------|--------------|--------------|----------------|-----------|--|
|                   |                         |                |             |                             |                       |                | Lodging        | Sprouting | Loose<br>Smut | Common<br>Bunt | Leaf<br>Spot | Stem<br>Rust | Leaf<br>Rust | Stripe<br>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         |  |
| <b>CDC Vantta</b> | <b>2</b>                | <b>60</b>      | <b>14.3</b> | <b>+4</b>                   | <b>-11</b>            | <b>Y</b>       | <b>G</b>       | <b>G</b>  | <b>---</b>    | <b>R</b>       | <b>---</b>   | <b>I</b>     | <b>R</b>     | <b>R</b>       | <b>MS</b> |  |

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<br>Tested | Yield %<br>AAC Schrader |             |                | Protein     | Resistance to: |           |              |              |                |               |          |                 |                 | Head<br>Awns | Stem<br>Solid-<br>ness | Rel.<br>Maturity<br>(days) | Seed<br>Weight<br>(mg) | Volume<br>Weight<br>(Kg/hl) | Height<br>(cm) |
|-------------------|-----------------|-------------------------|-------------|----------------|-------------|----------------|-----------|--------------|--------------|----------------|---------------|----------|-----------------|-----------------|--------------|------------------------|----------------------------|------------------------|-----------------------------|----------------|
|                   |                 | Area<br>1&2             | Area<br>3&4 | Irrig<br>ation |             | Lodging        | Sprouting | Stem<br>Rust | Leaf<br>Rust | Stripe<br>Rust | Loose<br>Smut | Bunt     | Leaf<br>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 <sup>6</sup> | 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            | S              | R             | I        | MS <sup>6</sup> | Y               | H            | 0                      | -0.1                       | -0.4                   | +2                          |                |
| <b>CDC Vantta</b> | <b>5</b>        | <b>101</b>              | <b>93</b>   | <b>99</b>      | <b>-0.3</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>+0.4</b>                 | <b>-13</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

## 2026 Alberta Seed Guide - Canada Western Amber Durum

| Variety                     | Most<br>Recent<br>Year of<br>Testing | Overall<br>Station<br>years of<br>testing | Overall<br>Yield | Yield as % of<br>AAC Schrader |                      | Maturity<br>Rating<br>(days +/-<br>AAC Schrader) | Protein<br>(%) | Test<br>Weight<br>(lb/bu) | Kernel<br>Weight<br>(mg) | Height<br>(cm) | Resistance to: |           | Disease Tolerance: |                |           |
|-----------------------------|--------------------------------------|---|------------------|-------------------------------|----------------------|--|----------------|---------------------------|--------------------------|----------------|----------------|-----------|--------------------|----------------|-----------|
|                             |                                      |   |                  | Low<br><77<br>bu/ac           | High<br>>77<br>bu/ac |  |                |                           |                          |                | Lodging        | Sprouting | Bunt               | Stripe<br>Rust | FHB       |
| <b>AAC Schrader (bu/ac)</b> |                                      |   |                  | <b>77</b>                     | <b>57</b>            | <b>110</b>                                       |                |                           |                          |                |                |           |                    |                |           |
| 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        |
| <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

For more information, call 1-800-665-7333 or visit [www.secanc.com](http://www.secanc.com)