

Technical Bulletin

Genes that fit *your* farm.



AAC Tisdale Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Tisdale is an awned CWRS variety with consistently low DON accumulation, moderately resistant rating to FHB and high grain protein. AAC Tisdale has good lodging tolerance, improved grain yield and good overall disease package. AAC Tisdale is well suited to all growing regions of western Canada.

Parentage: Somerset/BW865//Waskada

Strengths:

- Moderately resistant to FHB and low DON accumulation
- Grain yield 104% of the mean of the checks, over all sites in 2013 to 2015 Coop Registration trials
- High protein potential based on provincial regional variety trials
- Improved lodging compared to the checks
- Resistant to stem and leaf rust
- Moderately resistant to common bunt and loose smut
- Large seed size

Neutral Traits:

- Later maturing than the checks (1 day earlier than AC® Carberry)
- 7cm taller than AC® Carberry

Weaknesses:

- Moderately susceptible to stripe rust

Breeder:

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PBR 91 Protected

2013-2015 Parkland Wheat Cooperative Trials - Registration Data

| Variety | Yield (% of Check Mean) | Maturity (days) | Lodging 1 = erect 9 = flat | Height (cm) | Test Weight (kg/kl) | Kernel Weight (mg/kernel) | Grain Protein (%) | Falling Number |
|--------------------|-------------------------|-----------------|----------------------------|-------------|---------------------|---------------------------|-------------------|----------------|
| AC Splendor | 94.5 | 95.9 | 2.7 | 98 | 78.0 | 34.9 | 14.5 | 405 |
| PT472 | 104.7 | 96.8 | 2.2 | 98 | 80.8 | 36.3 | 14.2 | 445 |
| Parata | 100.8 | 97.7 | 2.2 | 93 | 80.4 | 34.8 | 14.5 | 400 |
| AAC Tisdale | 103.6 | 100.1 | 1.9 | 93 | 80.5 | 37.5 | 14.5 | 395 |

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2022 Seed Manitoba - Wheat Comparison

| Variety | Site Years Tested | Yield bu/ac | Protein % | Maturity +/- 99 days | Height +/- 81cm | Spike Awned | Resistance to: | | | | | | | | |
|--------------------|-------------------|-------------|-------------|----------------------|-----------------|-------------|----------------|-----------|------------|-------------|-----------|-----------|-----------|-------------|-----------|
| | | | | | | | Lodging | Sprouting | Loose Smut | Common Bunt | Leaf Spot | Stem Rust | Leaf Rust | Stripe Rust | FHB |
| AAC Alida VB | 33 | 69 | 14.7 | 2 | 6 | Y | VG | VG | R | I | MS | R | R | MR | MR |
| AAC Brandon | 85 | 71 | 14.4 | 2 | 0 | Y | VG | P | MR | S | I | R | R | MR | MR |
| AAC Redstar | 31 | 69 | 14.4 | 0 | 6 | Y | VG | --- | --- | MR | --- | R | MR | MR | MR |
| AAC Starbuck VB | 34 | 74 | 14.6 | 1 | 1 | Y | G | F | MR | S | S | I | MR | MR | MR |
| AAC Wheatland VB | 33 | 74 | 14.4 | 1 | 0 | Y | VG | G | R | MR | S | R | R | I | I |
| CDC SKRush | 31 | 73 | 14.6 | 2 | 4 | Y | VG | --- | --- | I | --- | MR | R | MR | MR |
| AAC Tisdale | 32 | 69 | 15.2 | 1 | 8 | Y | G | F | MR | MR | MS | R | R | S | MR |

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2022 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

| Variety | Years Tested | Yield as % AAC Brandon | | | Protein | Resistance to: | | | | | | | | | Awns | Stem Solid-ness | Relative Maturity (days) | Seed Weight (mg) | Test 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 Brandon | 6 | 100 | 100 | 100 | 14.3 | G | P | R | R | MR | MR | S | I | MR | Y | H | 101 | 35.9 | 80.5 | 81 |
| AAC Alida VB | 5 | 98 | 98 | 91 | +0.2 | VG | VG | R | R | MR | R | I | MS | MR | Y | H | 0 | +1.3 | +0.2 | +7 |
| AAC Redstar | 2 | 89 | 102 | --- | -0.2 | F | G | R | MR | MR | --- | MR | --- | MR | Y | H | -2 | -0.1 | -1.3 | +7 |
| AAC Starbuck VB | 4 | 104 | 106 | --- | -0.1 | F | F | I | MR | MR | MR | S | S | MR | Y | H | 0 | +0.3 | +0.3 | +3 |
| AAC Wheatland VB | 4 | 104 | 104 | --- | -0.2 | VG | G | R | R | I | R | MR | S | I | Y | H | 0 | -0.3 | +0.1 | +2 |
| AC® Carberry | 6 | 94 | 94 | 92 | +0.3 | VG | F | MR | R | MR | MR | R | MS | MR | Y | H | 0 | -0.3 | -0.2 | 0 |
| CDC SKRush | 3 | 100 | 103 | --- | -0.1 | G | P | MR | R | MR | --- | I | --- | MR | Y | H | -1 | -3.3 | -1.0 | +7 |
| Ellerslie | 3 | 93 | 95 | --- | 0.0 | VG | F | R | MR | R | --- | S | --- | I | N | H | -2 | -3.2 | -2.7 | +7 |
| AAC Tisdale | 5 | 95 | 98 | --- | +0.9 | F | F | R | R | S | MR | MR | MS | MR | Y | H | -2 | +0.4 | -0.6 | +8 |

G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

2022 Alberta Seed Guide - CWRS Wheat Comparison

| Variety | Overall Yield | | Yield Category (% AAC Brandon) | | Maturity Rating (Days +/- AAC Brandon) | Protein % | Test Weight (lb/bu) | Kernel Weight g/1000 | Height (cm) | Awns (Y/N) | Resistance to: | | Disease Tolerance: | | |
|----------------------------|--------------------------|---------------|--------------------------------|----------------|--|-------------|---------------------|----------------------|-------------|------------|----------------|-----------|--------------------|-------------|-----------|
| | Station years of testing | Overall yield | Low <77 bu/ac | High >77 bu/ac | | | | | | | Lodging | Sprouting | Bunt | Stripe Rust | FHB |
| AAC Brandon (bu/ac) | | 75 | 60 | 96 | | | | | | | | | | | |
| AAC Brandon - check | 74 | 100 | 100 | 100 | 104 | 14.0 | 63 | 40 | 84 | Y | G | P | S | MR | MR |
| AAC Alida VB | 37 | 94 | 97 | 93 | 0 | -0.2 | 63 | 41 | 91 | Y | G | VG | I | MR | MR |
| AAC Redstar | 18 | 96 | 92 | 103 | -3 | 0.1 | 63 | 40 | 90 | Y | F | G | MR | MR | MR |
| AAC Starbuck VB | 36 | 103 | 104 | 102 | 0 | -0.2 | 63 | 39 | 87 | Y | F | F | S | MR | MR |
| AAC Wheatland VB | 36 | 104 | 104 | 104 | 0 | -0.5 | 63 | 40 | 86 | Y | VG | G | MR | I | I |
| AC® Carberry | 45 | 93 | 93 | 93 | 0 | 0.0 | 63 | 39 | 84 | Y | VG | F | R | MR | MR |
| CDC SKRush | 18 | 101 | 97 | 109 | 0 | -0.2 | 63 | 37 | 94 | Y | G | P | I | MR | MR |
| Ellerslie | 31 | 98 | 94 | 103 | -1 | -0.3 | 62 | 37 | 90 | N | VG | G | S | R | I |
| Parata | 37 | 87 | 86 | 88 | -4 | +0.2 | 63 | 39 | 94 | Y | F | F | S | MR | I |
| AAC Tisdale | 37 | 94 | 94 | 94 | -1 | +0.6 | 63 | 42 | 93 | Y | F | F | MR | S | MR |

VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; 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.secan.com