

Technical Bulletin

Genes that fit *your* farm.



AAC Cabri (Solid Stem) Canada Western Amber Durum



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Cabri is a solid stem Canada Western Amber Durum which provides excellent wheat stem sawfly tolerance. AAC Cabri also has improved grain yield potential, high test weight, good pigment content, good gluten strength and low grain Cadmium. AAC Cabri should be a good fit in all durum growing areas of Western Canada.

Parentage: A9918-LX2B/ AC® Strongfield

Strengths:

- 8% higher grain yield than AC® Strongfield
- Solid stem for excellent wheat stem sawfly tolerance
- Resistant to common bunt as well as leaf and stripe rust
- Moderately resistant to loose smut and stem rust
- Low grain cadmium

Neutral Traits:

- 3.5cm taller than AC® Strongfield
- Lodging = AC® Strongfield
- Approximately 1 day later maturing than AC® Strongfield
- -0.4% Protein compared to AC® Strongfield

Weaknesses:

- Susceptible to FHB

Breeder:

Dr. Ron DePauw
Semiarid Prairie Agricultural Research Centre
Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Protected

2010-2013 Western Canadian Durum Cooperative Trials - Registration Data

| Variety | Yield (% of AC® Strongfield) | Maturity (days) | Lodging 1 = erect 9 = flat | Height (cm) | Grain Protein (%) | Kernel Weight (mg) | Gluten Strength Index % |
|------------------|------------------------------------|--------------------|----------------------------------|----------------|-------------------------|--------------------------|-------------------------------|
| AC® Strongfield | 100 | 105.0 | 2.8 | 90.8 | 14.2 | 41.3 | 58 |
| AC Avonlea | 94 | 105.3 | 2.3 | 92.2 | 14.3 | 40.2 | 17 |
| AC Navigator | 90 | 106.1 | 2.3 | 79.6 | 13.5 | 43.6 | 64 |
| AAC Cabri | 108 | 105.8 | 2.8 | 94.3 | 13.8 | 41.2 | 55 |

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2021 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 | Bunt | Leaf Spot | Stem Rust | Leaf Rust | Stripe Rust | FHB |
| AC® Strongfield | 12 | 65 | 14.4 | 0 | 0 | Y | G | F | S | MR | I | R | R | MR | S |
| AAC Grainland | 2 | 62 | 14.1 | +1 | +1 | Y | G | --- | R | R | MS | MR | R | R | MS |
| AAC Raymore | 14 | 62 | 14.4 | 0 | 0 | Y | G | F | MS | MR | I | R | R | MR | S |
| AAC Spitfire | 11 | 65 | 14.3 | 0 | -2 | Y | VG | F | MS | R | MS | R | R | R | S |
| AAC Stronghold | 4 | 64 | 14.0 | +1 | -2 | Y | VG | G | R | I | I | R | R | MR | MS |
| AAC Cabri | 9 | 65 | 14.1 | +1 | +3 | Y | G | F | MR | R | I | MR | 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

2021 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum

| Variety | Area 1&2 | Area 3&4 | Irrigation | Protein | Resistance to: | | | | | | | | | Maturity (days) | Awns | Seed Weight (mg) | Volume Weight (Kg/hl) | Height (cm) |
|------------------|------------|------------|------------|-------------|----------------|-----------|-----------|-----------|-------------|------------|----------|-----------|-----------|-----------------|----------|------------------|-----------------------|-------------|
| | | | | | Lodging | Sprouting | Stem Rust | Leaf Rust | Stripe Rust | Loose Smut | Bunt | Leaf Spot | FHB | | | | | |
| AC® Strongfield | 100 | 100 | 100 | 14.3 | P | F | R | R | MR | R | MR | I | S | 102 | Y | 43.3 | 79.5 | 89 |
| AAC Grainland | 105 | 110 | --- | -0.3 | F | G | MR | R | R | R | R | MS | MS | +1 | Y | -0.4 | -0.6 | +1 |
| AAC Spitfire | 108 | 110 | 111 | -0.4 | G | F | R | R | R | MS | R | MS | S | 0 | Y | -0.1 | -0.2 | -2 |
| AAC Stronghold | 101 | 100 | 112 | -0.3 | VG | G | R | R | MR | R | I | I | MS | +2 | Y | +0.8 | +0.6 | -3 |
| Transcend | 102 | 105 | 93 | -0.3 | F | G | R | R | R | S | R | I | MS* | +2 | Y | -1.2 | 0.0 | +6 |
| AAC Cabri | 105 | 103 | 103 | -0.4 | P | F | MR | R | R | MR | R | I | MS | +1 | Y | -0.6 | +0.7 | +4 |

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