

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Starbuck VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Starbuck VB is a very high yielding semi-dwarf CWRS with good lodging tolerance and is rated MR to FHB resistance. AAC Starbuck VB is also tolerant to the orange wheat blossom midge. AAC Starbuck VB is well-adapted to the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Starbuck VB will be sold as a varietal blend made up of 90% AAC Starbuck and 10% AAC Brandon. Blending with the midge susceptible variety AAC Brandon provides a refuge area for non-virulent midge to survive at low levels, thereby extending the useful life of the *Sm1* midge tolerant gene.

Parentage: Griffon/BW876//Carberry

Strengths:

- 114% of the grain yield of AC[®] Carberry
- Semi-dwarf with height similar to AC[®] Carberry
- Moderately resistant to FHB, low DON accumulation
- Moderately resistant to leaf rust, stripe rust and loose smut

Neutral Traits:

- Grain protein potential similar to AC[®] Carberry
- Maturity similar to AC[®] Carberry
- Slightly weaker straw strength compared to AC[®] Carberry
- Intermediate resistance to stem rust

Weakness:

- Susceptible to common bunt and leaf spot

Breeder:

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Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Applied For

2015-2017 Western Bread Wheat Registration Trials - Registration Data

| Variety | Yield (% AC Carberry) | Maturity (days) | Lodging 1 = erect 9 = flat | Height (cm) | Test Weight (kg/hl) | Kernel Weight (mg/kernel) | Grain Protein (%) | FHB Resistance Rating |
|--------------------------|-----------------------|-----------------|----------------------------------|-------------|---------------------|---------------------------|-------------------|-----------------------|
| AC [®] Carberry | 100 | 100.2 | 1.8 | 82 | 80.3 | 34.6 | 14.6 | MR |
| AC [®] Unity VB | 104 | 96.9 | 3.4 | 93 | 80.4 | 33.0 | 14.3 | I |
| AAC Viewfield | 109 | 100.4 | 1.7 | 77 | 81.1 | 32.6 | 14.6 | I |
| Glenn | 98 | 100 | 2.1 | 88 | 82.7 | 33.5 | 14.6 | I |
| AAC Starbuck VB | 114 | 100.8 | 2.1 | 82 | 81.1 | 35.1 | 14.6 | MR |

VB = varietal blend R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

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

2020 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 | 68 | 14.6 | +2 | +6 | Y | VG | VG | R | I | MS | R | R | MR | MR |
| AAC Brandon | 61 | 70 | 14.3 | +2 | 0 | Y | VG | P | MR | S | I | R | R | MR | MR |
| AAC Tisdale | 32 | 68 | 15.2 | +1 | +8 | Y | G | F | MR | MR | MS | R | R | S | MR |
| AAC Warman VB* | 33 | 68 | 14.4 | 0 | +12 | Y | G | --- | MR | S | I | R | R | MS | MR |
| AAC Wheatland VB* | 20 | 74 | 14.3 | 1 | 0 | Y | VG | --- | R | MR | S | R | R | I | I |
| AC® Carberry | 124 | 67 | 14.6 | 2 | 0 | Y | VG | F | MR | R | MS | MR | R | MR | MR |
| AAC Starbuck VB* | 20 | 73 | 14.4 | 1 | 1 | Y | G | --- | MR | S | S | I | MR | MR | MR |

*Varietal Blend F=Fair; G=Good; VG=Very Good R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2020 Varieties of Grain Crops for Saskatchewan - Wheat Comparison

| Variety | Years Tested | Yield as % of Carberry | | | Protein | Resistance to: | | | | | | | | | Relative Maturity (days) | Head Awedness | 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 | | | | | |
| AC® Carberry | 6 | 100 | 100 | 100 | 14.5 | VG | F | MR | R | MR | MR | R | MS | MR | 102 | Y | 35.8 | 80.3 | 83 |
| AAC Alida VB* | 3 | 106 | 108 | --- | -0.2 | VG | VG | R | R | MR | R | I | MS | MR | 0 | Y | +1.5 | +0.3 | +7 |
| AAC Brandon | 5 | 106 | 106 | --- | -0.4 | G | P | R | R | MR | MR | S | I | MR | 0 | Y | +0.1 | 0.0 | -1 |
| AAC Jatharia VB* | 5 | 108 | 114 | --- | -0.2 | F | G | I | R | I | S | MS | I | I | 0 | Y | +0.7 | +0.9 | +15 |
| AAC Warman VB* | 2 | 102 | 107 | --- | -0.3 | F | F | R | R | MS | MR | S | I | MR | -1 | Y | -1.6 | +0.2 | +13 |
| AAC Wheatland VB* | 2 | 111 | 113 | --- | -0.4 | VG | G | R | R | I | R | MR | S | I | 0 | Y | -0.1 | 0.0 | +2 |
| AC® Shaw VB* | 6 | 112 | 114 | 103 | -0.7 | F | G | R | MR | I | S | MR | MS | MS | -1 | N | +0.5 | -0.5 | +18 |
| AAC Starbuck VB* | 2 | 113 | 117 | --- | -0.5 | G | F | I | MR | MR | MR | S | S | MR | 0 | Y | +0.2 | +0.5 | +3 |

*Varietal Blend G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

2020 Alberta Seed Guide - CWRS Wheat Comparison

| Variety | Overall Yield | | Test Yield Category | | | Maturity Rating (Days +/- Carberry) | Protein % | Test Weight (lb/bu) | Kernel Weight g/1000 | Height (cm) | Resistance to: | | Disease Resistance: | | | | | | |
|---------------------------|---------------|--------------------------|----------------------------|-------------------|----------------|-------------------------------------|-------------|---------------------|----------------------|-------------|----------------|----------|---------------------|----------|-------------|-----------|-----------|--|--|
| | All Sites | Station years of testing | Low < 55 bu/ac | Med 55 - 80 bu/ac | High >80 bu/ac | | | | | | Ldg. | Sprout | Loose Smut | Bunt | Stripe Rust | Leaf Spot | FHB | | |
| | | | Yield as % of AC® Carberry | | | | | | | | | | | | | | | | |
| AC® Carberry bu/ac | 70 | | 45 | 66 | 95 | | | | | | | | | | | | | | |
| AC® Carberry | 100 | 126 | 100 | 100 | 100 | 104 | 13.9 | 63 | 40 | 84 | VG | F | MR | R | MR | MS | MR | | |
| AAC Alida VB* | 101 | 45 | 98 | 103 | 99 | 0 | 0 | 63 | 41 | 88 | G | VG | R | I | MR | MS | MR | | |
| AAC Brandon | 105 | 35 | XX | 103 | 107 | 0 | -0.3 | 63 | 41 | 85 | G | P | MR | S | MR | I | MR | | |
| AAC Tisdale | 101 | 45 | 100 | 101 | 102 | -1 | +0.4 | 63 | 42 | 88 | F | F | MR | MR | S | MS | MR | | |
| AAC Wheatland VB* | 107 | 31 | XX | 105 | 109 | 0 | -0.5 | 63 | 41 | 85 | VG | G | R | MR | I | S | I | | |
| AC® Shaw VB* | 105 | 53 | 104 | 105 | 107 | -1 | -0.9 | 63 | 37 | 92 | G | G | S | S | MR | I | MS | | |
| AAC Starbuck VB* | 106 | 31 | XX | 106 | 108 | 0 | -0.4 | 62 | 41 | 86 | G | F | MR | S | MR | S | MR | | |

*Varietal Blend 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

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