

Technical Bulletin

Genes that fit your farm.

SeCan

Canada's Seed Partner

AAC Nicolas Milling Oat



Description

White-hulled milling oat with high yield potential and good lodging resistance. Adapted to the Maritimes, Quebec and Areas III and V of Ontario

Strengths

- High yield potential
- Good lodging resistance

Management

- Fungicide application strongly recommended to control crown rust

Breeder

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2018 Oat Performance Trial Cumulative Yield Index¹ Summary, OCCC, Dec 2018

| Cultivar | Area II ² | | | | | Area III ² | | | | | Area V ² | | | | |
|---------------------|----------------------|------|------|------|------|-----------------------|------------|------------|------------|------------|---------------------|------------|------------|------------|------------|
| | 5 yr ³ | 4 yr | 3 yr | 2 yr | 2018 | 5 yr ³ | 4 yr | 3 yr | 2 yr | 2018 | 5 yr ³ | 4 yr | 3 yr | 2 yr | 2018 |
| Hulled | | | | | | | | | | | | | | | |
| OAC Markdale | 85 | 87 | 82 | 79 | 78 | 95 | 92 | 93 | 93 | 101 | | | | | |
| RC Amaze | 86 | 88 | 87 | 83 | 92 | 91 | 91 | 91 | 89 | 115 | | 97 | 94 | 93 | 87 |
| Dieter | | | | | | 92 | 89 | 89 | 84 | 86 | 99 | 99 | 100 | 102 | 103 |
| Avatar | | | | | | 95 | 93 | 92 | 87 | 105 | | | | | |
| Hidalgo | | | | | | | | | | | 100 | 100 | 100 | 101 | 103 |
| Vitality | | | | | | | | | 83 | 94 | 100 | 101 | 101 | 102 | 102 |
| AAC Bullet | 115 | 107 | 107 | 108 | 106 | 110 | 111 | 111 | 118 | 101 | | | | | |
| AAC Roskens | 100 | 99 | 99 | 104 | 101 | | | | | | | | | | |
| Nice | | | | | | | | | | | 101 | 101 | 102 | 100 | 99 |
| AAC Almonte | 107 | 103 | 99 | 100 | 96 | 107 | 105 | 107 | 113 | 99 | 98 | 96 | 98 | 99 | 97 |
| CDC Orrin | | | | | 96 | 107 | 107 | 110 | 110 | 121 | | | | 103 | 108 |
| AAC Richmond | | 105 | 106 | 106 | 106 | | 100 | 98 | 93 | 85 | | 104 | 105 | 106 | 110 |
| AAC Oaklin | 109 | 105 | 105 | 110 | 103 | 109 | 110 | 109 | 117 | 103 | 100 | 99 | 99 | 100 | 96 |
| Kara | | | | | | | | | | | 106 | 103 | 103 | 103 | 108 |
| Akina | | | | | | | | | | | 106 | 103 | 103 | 103 | 108 |
| AAC Nicolas | | | | | | | 109 | 107 | 108 | 109 | 108 | 105 | 104 | 105 | 103 |
| AAC Kolosse | | 105 | 105 | 108 | 110 | | 112 | 111 | 115 | 105 | | 101 | 101 | 99 | 94 |
| AAC Noranda | | 97 | 95 | 93 | 89 | | 108 | 105 | 105 | 101 | | 101 | 101 | 99 | 94 |
| AAC Blake | | 104 | 103 | 100 | 101 | | | | | | | | | | |
| AAC Banner | | | | 119 | 108 | | | | 111 | 99 | | | | 92 | 83 |
| AAC Torrent | | | | 116 | 114 | | | | 101 | 77 | | | | 95 | 92 |
| Means (t/ha) | 3.69 | 3.72 | 4.04 | 3.53 | 3.08 | 3.98 | 3.94 | 3.90 | 3.11 | 2.58 | 4.77 | 4.95 | 4.88 | 4.95 | 4.28 |
| Means (bu/ac) | 97 | 98 | 106 | 93 | 81 | 105 | 103 | 102 | 82 | 68 | 125 | 130 | 128 | 130 | 112 |
| Locations | 15 | 12 | 8 | 5 | 2 | 10 | 8 | 6 | 4 | 2 | 13 | 11 | 9 | 6 | 3 |

¹ Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.

² See area map on GoCereals.ca website.

³ Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years. Rust races have overcome genetic resistance in the past 10 years, with some varieties being significantly impacted.

= PBR Status; indicates varieties protected under PBR 91 or PBR 78. Visit pbrfacts.ca to learn more.