

# Technical Bulletin

Genes that fit *your* farm.

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Canada's Seed Partner

## AAC Douglas White Hulled Milling Oat



Progress Through Research  
Le progrès grâce à la recherche

AAC Douglas is a high  $\beta$ -glucan white hulled oat with high grain yield potential and excellent groat percentage. AAC Douglas performed best in the rust zone of the eastern Prairies and would be a potential Summit replacement. AAC Douglas is rated resistant to smut and moderately resistant to oat crown rust and FHB. AAC Douglas has performed very well in provincial variety trials and looks to be well-suited for production across all western Canada.

**Parentage:** OT7070/CS Camden

### Strengths:

- High  $\beta$ -glucan
- High grain yield potential – 104% Summit
- Good lodging resistance, better than the checks
- Resistant to smut
- Moderately resistant to crown rust and FHB
- White hull

### Neutral Traits:

- Intermediate resistance to stem rust and BYVD
- Medium height, -2 cm to AC Morgan and +4 cm to Summit

### Weaknesses:

- Slightly higher % thins and lower % plump than the mean of the checks

### Breeder:

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### PBR 91 Protected

**Milling Approved!!!** – contact your local processor/handler for details in your area

### 2017-18 Western Cooperative Oat Test

Entry	Yield as % Average of Checks	Maturity (days)	Lodging 1=best 9=flat	Height (cm)	Test Weight (kg/hl)	% Plump Kernels	% Thin Kernels	Groat %	$\beta$ -glucan (% db)	Resistance to:			
										Stem Rust	Crown Rust	Smut	BYVD
CDC Dancer	93.3	93.5	1.95	100.75	57.4	93.55	1.5	75.15	4.35	I	I	R	MS
AC Morgan	108.2	97	1.91	98.7	56.4	90.45	1.75	72.1	4.2	S	S	I	MS
Summit	98.5	97.5	1.90	91.15	57.3	91.15	1.6	75.9	4.75	I	I	R	I
<b>AAC Douglas</b>	<b>102.1</b>	<b>95</b>	<b>1.51</b>	<b>95.55</b>	<b>55.7</b>	<b>87.40</b>	<b>2.75</b>	<b>74.05</b>	<b>5.25</b>	<b>I</b>	<b>MR</b>	<b>R</b>	<b>I</b>

MR=Moderately Resistant; MS=Moderately Susceptible; S=Susceptible; R=Resistant

## 2026 Seed Manitoba - Oat Comparison

Variety	Site Years Tested	Yield bu/ac	Maturity +/- 96 days	Height +/- 84cm	Test Wt. +/- 39.3lb/bu	% Hull	Hull Colour	Resistance to:				
								Lodging	Smut	Crown Rust	Stem Rust	BYD
AC Morgan	36	142	+1	+15	-1.0	25.2	White	G	I	S	S	MS
AAC Fedak	28	162	+3	-2	-1.5	22.5	White	G	R	R	MS	MS
AAC Neville	27	159	+2	-2	-0.7	25.5	Yellow	VG	R	S	I	R
ORe3542M	35	143	-1	-2	-1.1	24.4	White	VG	R	R	S	S
Souris	60	141	-4	0	0.5	20.9	White	G	R	MS	MR	MS
Summit	127	148	0	-3	0.5	20.8	White	G	R	I	I	I
<b>AAC Douglas</b>	<b>38</b>	<b>160</b>	<b>-2</b>	<b>+3</b>	<b>-1.0</b>	<b>25.9</b>	<b>White</b>	<b>G</b>	<b>R</b>	<b>MR</b>	<b>I</b>	<b>I</b>

M=Medium; L=Late; VL=Very Late G=Good; VG=Very Good; P=Poor; VP = Very Poor; F=Fair; R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible

## 2026 Saskatchewan Varieties of Grain - Oat Comparison

Variety	Years Tested	Yield % of CS Camden		Test Weight (g/0.5L)	% Hull	Hull Colour	% Plump	% Protein	Maturity Rating	Height (cm)	Resistance to:			
		Area 1 & 2	Area 3 & 4								Lodging	Stem Rust	Crown Rust	Smut
CS Camden	7	100	100	242	24.3	White	82	17.0	L	94	VG	S	MS	I
AAC Fedak	4	100	103	243	22.9	White	89	15.8	M	92	G	MS	R	R
AAC Neville	5	97	102	248	25.3	Yellow	85	15.5	L	87	VG	I	S	R
AC Morgan	7	100	102	236	25.1	White	82	15.4	L	101	VG	S	S	I
ORe3542M	7	97	92	247	22.5	White	95	15.9	L	93	VG	S	R	R
<b>AAC Douglas</b>	<b>7</b>	<b>103</b>	<b>100</b>	<b>245</b>	<b>20.7</b>	<b>White</b>	<b>81</b>	<b>15.9</b>	<b>M</b>	<b>98</b>	<b>G</b>	<b>I</b>	<b>MR</b>	<b>R</b>

M=Medium; L=Late; VL=Very Late G=Good; VG=Very Good; P=Poor; VP = Very Poor; F=Fair; R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible

## 2026 Alberta Seed Guide - Oat Comparison

Variety	Overall Station Years of Testing	Overall Station Years of Testing	Overall Yield	Yield as % of CS Camden		Maturity (days +/- CS Camden)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Tolerance to Smuts	Resistance to BYDV
				Low <115 bu/ac	High >115 bu/ac							
CS Camden (bu/ac)			126	89	153							
CS Camden	2025	111	100	100	100	98	40	41	99	VG	I	S
AAC Fedak	2025	21	101	100	104	+3	40	45	98	VG	R	MS
AAC Neville	2024	32	103	104	101	+3	40	45	99	VG	R	R
AC Morgan	2025	77	105	103	107	+3	41	42	105	VG	I	MS
ORe3542M	2019	28	94	95	94	+2	40	42	97	VG	R	S
AAC Douglas	2021	21	101	99	102	+2	39	43	101	G	R	I

VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible