

Technical Bulletin

Genes that fit your farm.

SeCan

Canada's Seed Partner

AC Morgan

White Hulled Milling / General Purpose Oat

AC Morgan is a very high yielding white hulled milling oat with excellent straw strength. In addition, AC Morgan also has excellent forage yield potential and nutrient composition. AC Morgan is susceptible to leaf rust and stem rust. AC Morgan is ideally suited to the lower rust risk areas of Alberta and northern Saskatchewan.

Strengths:

- Excellent grain yield potential
- Most widely-grown oat variety in Alberta and Saskatchewan
- Very good lodging resistance
- High percentage of plump kernels, low percentage of thin kernels

Neutral Traits:

- No longer a “preferred” milling oat due to lower Beta Glucan but still accepted.
- Medium maturity

Weaknesses:

- Susceptible to leaf rust and stem rust

Breeder:

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2025 Alberta Regional Silage Oat Variety Trials

Variety	Most Recent Year of Testing	# of overall station years	Overall Yield (% of CDC Baler)	Relative Maturity (days)	Nutritional Data								
					CP (%DM)	ADF (%DM)	NDF (%DM)	TDN (%DM)	Relative Digestibility - 30hrs (%DM)	Ca (%DM)	P (%DM)	K (%DM)	Mg (%DM)
CDC Baler (t/ac)			10.4										
CDC Baler	2024	48	100	102	11.6	36.1	59.0	60.1	67.6	0.49	0.22	1.66	0.18
AAC Douglas	2024	8	104	-2	9.6	34.8	54.6	61.2	69.0	0.44	0.22	1.54	0.21
CDC Haymaker	2022	38	98	0	11.7	NT	NT	58.6	NT	0.52	0.27	3.53	0.18
ORe BOOST VUA	2024	6	101	+2	10.5	37.3	62.1	59.0	65.5	0.46	0.22	1.57	0.18
AC Morgan	2022	33	100	-1	11.8	NT	NT	59.9	NT	0.47	0.26	3.07	0.16

Remarks: Yield is reported in wet tons/acre adjusted to 65% moisture. Oat silage trials are harvested when 75% of the varieties are at milk stage, BBCH 75. However, the 2023 and 2024 trials contained varieties with a wide range of development, with some locations showing a week or more difference in growth stages. This results in some of the later maturing varieties having lower yield and altered quality. Relative maturity is given as physiological grain maturity. Due to re-structuring the silage RVTs, yield data is only presented if there are six site years of data. Nutritional data is presented on a dry matter basis (%DM), and was tested on forage, not ensiled samples. CP = Crude Protein; ADF = Acid Detergent Fibre, NDF = Neutral Detergent Fibre, TDN = total digestible nutrient; CHO = carbohydrates; Ca = calcium; P = phosphorous; K = potassium; Mg = magnesium. NT = not tested

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
AAC Douglas	38	160	-2	+3	-1.0	25.9	White	G	R	MR	I	I
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
AC Morgan	36	142	+1	+15	-1.0	25.2	White	G	I	S	S	MS

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 Douglas	7	103	100	245	20.7	White	81	15.9	M	98	G	I	MR	R
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
ORe3542M	7	97	92	247	22.5	White	95	15.9	L	93	VG	S	R	R
AC Morgan	7	100	102	236	25.1	White	82	15.4	L	101	VG	S	S	I

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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 Douglas	2021	21	101	99	102	+2	39	43	101	G	R	I
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
ORe3542M	2019	28	94	95	94	+2	40	42	97	VG	R	S
AC Morgan	2025	77	105	103	107	+3	41	42	105	VG	I	MS

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

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