

Technical Bulletin

Genes that fit *your* farm.



AAC Anthony White Hulled Milling Oat



Progress Through Research
Le progrès grâce à la recherche

AAC Anthony is a high yielding, white hulled milling oat with very plump kernels and a taller stature. These qualities should allow this variety to be great fit as both a grain and forage oat. AAC Anthony performed very well in the Black & Gray soil zones in cooperative testing and looks to be well-suited for production across western Canada where crown rust isn't a concern.

Parentage: SA100100/OA1331-5-5

Strengths:

- High grain yield potential – 102% of CS Camden and AC Morgan in registration trials
- Good lodging resistance, similar to AC Morgan
- Very high % plump kernels
- Very low % thin kernels
- Lower protein than all the checks making it well suited to milling and protein extraction
- White hull

Neutral Traits:

- 1cm taller than AC Morgan and 5cm taller than CS Camden
- Medium-late maturity, 1 day later than AC Morgan and 5 days later than CS Camden
- Lower groat content

Weaknesses:

- Susceptible to crown rust

Breeder:

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PBR 91 pending

Undergoing milling market development

2020-21 Western Cooperative Oat Test

Entry	Yield as % CS Camden	Maturity (days)	Lodging 1=best 9=flat	Height (cm)	Test Weight (kg/hl)	% Plump Kernels	% Thin Kernels	Groat %	Protein (%)	β-glucan (% db)
CS Camden	100	84	1.6	88	56.2	78.4	8.7	70.2	18.1	5.1
AC Morgan	100	88	2.0	91.3	57.3	79.8	8.0	70.9	16.3	4.2
Summit	90	88	2.2	85.9	59.5	82.5	8.3	75.3	16.9	4.8
AAC Anthony	102	89	2.0	92.6	56.0	91.7	1.6	68.7	16.5	4.6
Station Years	22	18	11	21	22	12	12	12	12	12

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

2025 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 Douglas	37	159	-2	+3	-1.0	25.9	White	G	R	MR	I	I
AAC Fedak	16	159	+3	-2	-1.5	22.5	White	G	R	R	MS	MS
AAC Neville	27	158	+2	-2	-0.7	25.5	Yellow	VG	R	S	I	R
ORe3541M	35	140	-2	-2	0.6	23.3	White	VG	R	R	S	MS
ORe3542M	35	142	-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	115	148	0	-3	0.5	20.8	White	G	R	I	I	I
AAC Anthony	27	166	+2	+15	-2.3	25.8	White	G	R	S	MS	R

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

2025 Saskatchewan Varieties of Grain - Oat Comparison

Variety	Years Tested	Yield % of CS Camden		Test Weight (g/0.5L)	% Hull	Hull Colour	% Plump	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	L	94	VG	S	MS	I
AAC Douglas	7	103	100	245	20.7	White	81	M	98	G	I	MR	R
AAC Fedak	3	99	98	243	22.9	White	89	M	92	G	MS	R	R
AAC Neville	4	98	102	248	25.3	Yellow	85	L	87	VG	I	S	R
AC Morgan	7	100	102	236	25.1	White	82	L	101	VG	S	S	I
CDC Norseman	7	95	95	241	20.0	White	81	M	102	G	S	MR	MS
ORe3542M	7	97	92	247	22.5	White	95	L	93	VG	S	R	R
AAC Anthony	5	102	103	241	25.5	White	95	L	99	G	MS	S	I

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2025 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
				Low <115 bu/ac	High >115 bu/ac						
CS Camden (bu/ac)			126	89	154						
CS Camden	2024	103	100	100	100	98	40	41	99	VG	I
AAC Douglas	2021	21	101	99	102	+2	39	43	101	G	R
AAC Fedak	2024	19	101	100	102	+3	40	45	99	VG	R
AAC Neville	2024	32	103	104	101	+3	40	45	99	VG	R
AC Morgan	2024	69	105	103	107	+3	41	42	105	VG	I
ORe3542M	2019	28	94	95	94	+2	40	42	97	VG	R
AAC Anthony	2024	32	106	105	106	+3	39	45	104	G	R

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