Technical Bulletin

Genes that fit *your* farm.

SeCan
Canada's Seed Partner

AAC Neville
Milling Oat

91
Progress Through Research
Le progrès grâce à la recherche

AAC Neville (tested as OT2134), is a high yielding, yellow hulled milling oat with a short stature and very good lodging tolerance. AAC Anthony performed very well in the Brown, Black & Gray soil zones in cooperative testing and looks to be well-suited for production across western Canada where short strong straw is preferred.

Parentage: SA100100/OA1331-5-5

Strengths:
- High grain yield potential – 109% of Summit and similar to CS Camden and AC Morgan in registration trials
- Very short, -4cm compared to Summit and -6 compared to CS Camden
- Very Good lodging resistance, similar to CS Camden and better than AC Morgan
- High % plump kernels
- Very low % thin kernels
- Low protein
- Intermediate resistance to stem rust (better than CS Camden and AC Morgan)

Neutral Traits:
- Medium maturity, equal to Summit and AC Morgan and 4 days later than CS Camden
- Yellow hulled

Weaknesses:
- Lower groat content compared to the checks

Breeder:
Dr. Kirby Nilsen and staff,
Brandon Research & Development Centre
Agriculture and Agri-Food Canada
Brandon, MB

PBR 91 Protected

Undergoing milling market development

Upper row is AAC Neville for colour comparison

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 Neville	**99**	**88**	**1.7**	**81.8**	**57.6**	**81.5**	**3.3**	**69.0**	**16.5**	**4.8**
Station Years	**22**	**18**	**11**	**21**	**22**	**12**	**12**	**12**	**12**	**12**

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

Jan 2026

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

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 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
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
AAC Neville	**27**	**159**	**+2**	**-2**	**-0.7**	**25.5**	**Yellow**	**VG**	**R**	**S**	**I**	**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

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
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
AAC Neville	**5**	**97**	**102**	**248**	**25.3**	**Yellow**	**85**	**15.5**	**L**	**87**	**VG**	**I**	**S**	**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

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
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 Neville	**2024**	**32**	**103**	**104**	**101**	**+3**	**40**	**45**	**99**	**VG**	**R**	**R**

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

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