

Technical Bulletin

Genes that fit *your* farm.



AAC Douglas White Hulled Milling Oat



AAC Douglas is a high β -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 β -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:

Dr. Jennifer Mitchell Fetch,
Brandon Research & Development Centre
Agriculture and Agri-Food Canada
Brandon, MB

PBR 91 Applied For

Currently undergoing milling evaluations – 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 %	β -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
AAC Douglas	102.1	95	1.51	95.55	55.7	87.40	2.75	74.05	5.25	I	MR	R	I

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

2021 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	144	-1	+15	-1.0	25.2	White	G	I	S	S	MS
CDC Norseman	31	151	-3	+5	-1.0	20.5	White	G	MS	MR	S	I
CDC Skye	16	145	-2	+11	0.5	19.6	White	G	R	R	S	---
ORe3541M	35	140	-2	-2	0.6	23.3	White	VG	R	R	S	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	72	148	0	-3	0.5	20.8	White	G	R	I	I	I
AAC Douglas	16	159	-2	+3	-1.0	25.9	White	G	R	MR	I	I

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

2021 Saskatchewan Varieties of Grain - Oat Comparison

Variety	Years Tested	Yield % of CS Camden		Test Weight (g/0.5L)	% Hull	% 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	82	L	94	VG	S	MS	I
AC Morgan	7	100	102	236	25.1	82	L	101	VG	S	S	I
CDC Norseman	7	95	95	241	20.0	81	M	102	G	S	MR	MS
CDC Skye	4	100	97	250	19.9	85	M	99	G	S	R	R
ORe3541M	7	94	90	257	21.5	90	L	93	VG	S	R	R
ORe3542M	7	97	92	247	22.5	95	L	93	VG	S	R	R
AAC Douglas	4	105	99	245	20.7	81	M	98	G	I	MR	R

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2021 Alberta Seed Guide - Oat Comparison

Variety	Overall Station Years of Testing	Overall Yield	Yield as % of CDC Dancer				Maturity (+/- CDC Dancer)	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Tolerance to Smuts
			Low <70 bu/ac	Medium 70-100 bu/ac	High 100-130 bu/ac	Very High >130 bu/ac						
CDC Dancer (bu/ac)		100	48	84	110	149						
CDC Dancer	181	100	100	100	100	100	98	41	37	106	G	R
AC Morgan	94	114	114	111	116	115	+3	41	41	103	VG	I
CDC Norseman	27	101	XX	100	101	XX	0	41	38	107	G	MS
CDC Skye	19	110	XX	XX	106	109	+2	41	41	105	G	R
ORe3541M	35	103	XX	XX	107	102	+1	41	41	101	VG	R
ORe3542M	35	106	XX	XX	111	103	+2	40	42	99	VG	R
AAC Douglas	19	114	XX	XX	115	113	+2	41	42	101	G	R

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