

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Stockton 2-Row Feed Barley



Description:

AAC Stockton is a promising 2-row feed barley that combines good grain yield potential with strong straw and improved FHB resistance. AAC Stockton should be a great fit for the eastern Prairies and anywhere wanting top FHB resistance.

Parentage: TR11219/CDC Kindersley

Strengths:

- ✓ +3% higher grain yield than CDC Austenson
- ✓ Good lodging resistance, similar to CDC Austenson
- ✓ Heavy kernel weight (> CDC Austenson)
- ✓ High % kernel plumpness (> CDC Austenson)
- ✓ Resistant to loose smut, surface smut and stem rust
- ✓ Moderately resistant rating to FHB

Neutral Traits:

- Similar height to CDC Austenson
- Medium maturity and slightly earlier compared to CDC Austenson
- Intermediate resistant rating to net blotch and spot blotch

Weaknesses:

- Susceptible rating to scald

Breeder:

Dr Ana Badea and staff
AAFC Brandon Research Centre
Brandon, MB

PBR 91 Protected



2020-2021 Grain Yield and Agronomics, Western Co-operative Two-Row Barley Registration Trials

Variety	Yield (kg/ha)	Grain Yield (% of CDC Copeland)	Maturity (days)	Plant Height (cm)	Lodging 1 = erect 9 = flat	Test Weight (kg/hl)	Kernel Weight (g/1000k)	Plump (%>6/64)	Thins (%<5/64)	NIT Protein
CDC Copeland	4799	100	86.2	74.9	3.4	65.1	46.1	94.0	0.6	12.4
AAC Synergy	5228	109	86.1	71.3	3.4	66.3	47.3	96.0	0.5	12.0
CDC Austenson	5263	110	87.5	70.0	3.3	68.3	47.3	93.8	0.9	12.2
AAC Stockton	5424	113	86.9	69.8	3.0	66.8	47.8	94.1	0.7	12.3
# of Sites	25		27	31	7	29	30	26	12	4

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

Seed Manitoba 2025 - Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Relative Maturity +/- 88 days	Height +/- 89cm	Test Weight +/- 48.7lb/bu	Rough or Smooth Awns	Lodging	Loose Smut	Surface Borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem Rust	FHB
AB Advantage (6R)	30	108	13.2	+1	+15	0	S	VG	MR	I	---	MS	I	I	I	S
CDC Austenson (2R)	91	116	12.2	+1	0	+0.5	R	G	S	R	I	MS	R	MR	I	I
CDC Churchill (2R)*	46	113	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Durango (2R)	29	113	12.4	+2	-3	+0.1	R	G	S	R	---	MR	MS	I	I	I
CDC Renegade (2R)	29	107	12.6	+1	+7	-0.3	S	F	I	MR	---	MS	MR	MS	MR	MR
Esma (2R) VUA	30	114	12.1	+1	-10	-0.4	---	G	R	NT	---	MS	MS	MS	NT	I
KWS Kellie (2R) VUA	29	106	12.0	1	-11	-1.5	---	P	R	NT	---	MS	MS	MS	NT	I
AAC Stockton (2R)	17	117	12.4	+1	-2	0	R	G	R	R	---	I	I	I	R	MR

Lodging Ratings: F=Fair; G=Good; VG=Very Good Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible, NT = Not tested

2025 Saskatchewan Varieties of Grain - Barley Comparison

Variety	Years Tested	# Rows	Awn Type	Yield (% of AAC Synergy)		Relative Maturity	Lodging	Net Form Net Blotch	Spot-Form Net Blotch	Spot Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	FHB
				Area 1&2	Area 3&4											
AAC Synergy	7	2	R	100	100	M	F	MR	R	R	S	S	I	I	MR	I
AB Advantage	7	6	S	103	100	VL	VG	MS	I	I	I	MR	I	---	I	S
CDC Austenson	7	2	R	102	103	M	G	MS	R	MR	S	S	R	I	I	I
CDC Churchill*	7	2	R	105	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Durango	6	2	R	106	107	M	VG	MR	MS	I	MS	S	MR	---	I	I
CDC Renegade	5	2	S	103	96	M	F	I	MR	MS	S	MS	MR	---	MR	MR
Esma VUA	5	2	R	103	98	M	G	MS	MS	MS	S	R	---	---	---	I
KWS Kellie VUA	5	2	R	102	96	L	G	MS	MS	MS	I	R	---	---	---	I
AAC Stockton	4	2	R	99	103	M	F	I	I	I	S	R	R	---	R	MR

M=Medium; L=Late; F=Fair; G=Good; VG=Very Good; P=Poor; VP=Very Poor Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2025 Alberta Seed Guide – Feed and Food Barley Comparison

Variety	2 or 6 Row	Awn Type	Most Recent Year of Testing	Station Years	Yield % AAC Synergy			Maturity Days +/- AAC Synergy	Test Weight lb/bu	TKW (g)	Height (cm)	Resistance to Lodging	Disease Tolerance							
					Overall Yield	Low <113 (bu/ac)	High >113 (bu/ac)						Loose Smut	Other Smuts	Scald	Spot Form Net blotch	Net Form Net Blotch	Spot Blotch	FHB	
AAC Synergy (bu/ac)					122	85	147	93												
AAC Synergy	2	R	2024	164	100	100	100	0	53	49	81	F	S	I	S	R	MR	R	I	
AB Advantage	6	S	2020	32	104	100	106	+2	52	48	102	G	MR	I	I	I	MS	I	S	
AB Tofield	6	S	2021	24	104	102	105	+1	52	43	84	G	MR	MR	I	I	MS	I	S	
CDC Austenson	2	R	2024	101	100	98	103	+2	54	49	81	G	S	R	S	R	MS	MR	I	
CDC Churchill*	2	R	2024	57	104	102	104	+2	53	46	77	G	MS	MR	S	MR	MR	I	MS	
CDC Durango	2	R	2023	45	107	101	110	+2	54	50	79	VG	S	R	MS	MS	MR	I	I	
CDC Renegade	2	S	2022	26	102	109	97	+4	52	52	90	F	I	MR	S	MR	I	MS	MR	
Esma VUA	2	R	2022	26	110	114	107	+3	52	51	69	VG	R	XX	S	MS	MS	MS	I	
KWS Kellie VUA	2	R	2022	26	114	121	110	+5	52	50	66	VG	R	XX	I	MS	MS	MS	I	
AAC Stockton	2	R	2024	31	102	102	104	0	53	50	80	F	R	R	S	I	I	I	MR	

R=Rough; VG=Very Good, G=Good, F=Fair; P=Poor; VP=Very Poor; Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible, NT = Not tested

*Malting barley for comparison

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