

Technical Bulletin

Genes that fit *your* farm.



AAC Westlock Canada Prairie Spring Red Wheat



Description:

AAC Westlock is a short strong strawed CPS wheat with very high grain yield potential and excellent disease resistance. AAC Westlock performed very well across all testing zones during registration testing and should be a good CPS fit across western Canada.

Parentage: AAC Foray/AAC Tenacious//AAC Penhold

Strengths:

- 106% of AAC Penhold and 101% of AAC Foray VB in registration trials
- 6 cm shorter than AAC Foray VB
- Traditional CPSR type kernel
- Resistant to leaf rust, stem rust, stripe rust and bunt
- Moderately resistant to FHB

Neutral Traits:

- 8 cm taller than AAC Penhold
- Good lodging resistance, similar to AAC Foray VB

Weaknesses:

- -0.7% lower protein than AAC Penhold, similar protein to AAC Foray VB

Breeder:

Dr. Harpinder Randhawa and team
Agriculture and Agri-Food Canada
Lethbridge, AB

PBR 91 Applied For

2018-2020 High Yield Wheat Registration Test - Registration Data

Variety	Yield (% of Mean of Checks)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/kl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Falling Number	FHB Resistance Rating
AAC Foray	102.7	101	3.0	86	78.7	46.0	12.5	425	I
AAC Penhold	97.3	99	2.5	72	80.3	42.8	13.2	440	MR
AAC Westlock	104.0	101	2.9	80	79.3	44.2	12.5	430	I
# of Sites	40	39	8	40	41	41	41		

2024 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Brandon	109	74	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Goodwin	33	79	14.2	2	0	Y	VG	G	MS	I	I	I	R	R	I
AAC Penhold	44	78	14.0	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Rimbey VB	29	81	12.5	1	0	Y	G	VG	---	I	---	R	R	R	I
AAC Westlock	5	81	13.5	1	-1	Y	VG	---	---	R	---	R	R	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

2024 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % AAC Brandon		Protein	Resistance to:									Awns	Stem Solidness	Relative Maturity (days)	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Brandon	6	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.7	81
AAC Foray VB	5	104	107	-1.5	F	P	MR	R	I	MS	I	MS	I	Y	H	0	+7.1	-1.6	+6
AAC Penhold	5	100	99	-0.7	VG	VG	MR	R	MR	I	R	I	MR	Y	H	-2	+4.3	-0.4	-9
AAC Rimbey VB	3	108	108	-1.9	F	VG	R	R	R	---	I	---	I	Y	H	0	+5.4	-1.9	-1
AAC Westlock	2	109	105	-1.3	G	G	R	R	R	---	R	---	MR	Y	H	+1	+4.8	-1.1	0

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

Stem Solidness: H = Hollow, SS = semi-solid, S = solid

2024 Alberta Seed Guide - CPSR Wheat Comparison

Variety	Most Recent Year of Testing	Station years of testing	Overall yield	Yield Category (% AAC Brandon)		Maturity Rating (Days +/- AAC Brandon)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns (Y/N)	Resistance to:		Disease Tolerance:		
				Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
AAC Brandon (bu/ac)			80	58	95											
AAC Brandon - check	2023	204	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR
AAC Goodwin	2023	23	105	107	105	-1	-0.7	65	39	85	Y	VG	VG	MS	R	I
AAC Penhold	2023	91	102	98	103	0	-0.7	64	43	77	Y	VG	VG	R	I	MR
AAC Rimbey VB	2023	34	106	97	109	0	-2.1	63	44	85	Y	G	VG	I	R	I
AAC Westlock	2023	34	106	100	108	+1	-1.3	64	44	86	Y	G	G	R	R	MR

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

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