

Technical Bulletin

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AAC Ryley Canada Prairie Spring Red Wheat

Description:

AAC Ryley is an awned, early maturing CPS with high yield potential, improved protein and good disease resistance. AAC Ryley should be an excellent replacement for AC Crystal. It is well adapted and will be especially attractive to wheat producers in the shorter season areas of the Prairies.

Parentage: AC Vista/Alsen//HY485

Strengths:

- Grain yield 108% of 5700PR and 102% of 5701PR (average of all sites in 2009 to 2011 High Yield Wheat Registration trials)
- Early maturing, 2 days earlier than 5700PR
- Very large seed size
- Resistant to Leaf and Stem Rust and Bunt
- Improved protein over 5700PR and 5701PR

Neutral Traits:

- Slightly weaker straw than 5700PR and 5701PR

Weaknesses:

- MS rating to FHB
- 5 cm taller than 5700PR

Breeders:

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Agriculture and Agri-Food Canada
Swift Current, SK

2009-2011 High Yield Wheat Cooperative Trials - 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
5700 PR	97	111.8	1.5	79.7	78.0	39.3	12.4	353	MS
5701 PR	103	110.2	1.8	81.5	76.7	39.4	12.8	395	MS
AAC Ryley	105	109.9	2.0	84.7	76.0	45.3	13.1	382	MS

2021 Seed Manitoba – CPSR Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Carberry	137	68	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Foray VB	31	78	13.1	1	+5	Y	VG	P	MS	I	MS	MR	R	I	I
AAC Goodwin	33	76	14.1	2	0	Y	VG	G	MS	I	I	I	R	R	I
AAC Penhold	44	76	13.9	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Ryley	30	72	13.1	1	+3	Y	G	G	I	R	MS	R	R	S	MS

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2021 Alberta Seed Guide - CPSR Wheat Comparison

Variety	Overall Station years of testing	Overall Yield	Yield as % of AC® Carberry			Maturity Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns Y/N	Resistance to:		Disease Resistance:		
			Low < 55 bu/ac	Med 55-80 bu/ac	High >80 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
AC® Carberry bu/ac	73	73	40	62	90											
AC® Carberry	100		100	100	100	104	14.0	63	40	85	Y	VG	F	R	MR	MR
AAC Foray VB	41	121	117	123	123	0	-1.6	63	51	90	Y	G	G	I	MR	I
AAC Goodwin	48	115	112	116	117	-1	-0.6	63	41	87	Y	VG	G	MS	R	I
AAC Penhold	70	113	107	113	115	-2	-0.7	63	44	79	Y	VG	VG	R	I	MR
AAC Ryley	37	111	108	112	110	-1	-1.2	60	48	87	Y	G	G	R	S	MS

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