

Technical Bulletin

Genes that fit *your* farm.



AC[®] Sadash VB Soft White Spring Wheat



AC[®] Sadash VB is a high yielding and high quality, awned, soft white spring wheat.

In 2017 AC[®] Sadash was identified as containing the *Sm1* trait – meaning it is tolerant to wheat midge and requires the addition of a refuge (AC Andrew) and stewardship to protect the midge tolerance for the future.

Producers with farm saved seed from non-blended AC[®] Sadash (purchased prior to 2018) are asked to do one of three things:

- 1) Purchase seed of AC[®] Sadash VB (or any newer product with refuge added)**
- 2) Add 1 bus of AC Andrew to every 9 bushels of AC[®] Sadash**
- 3) Spray every year to control midge.**

AC[®] Sadash VB was selected for grain yield similar to AC Andrew but in addition, has lower protein than AC Andrew. AC[®] Sadash VB is a semi-dwarf with short, strong straw. It was especially selected for production under irrigation in southern Alberta and

Saskatchewan to produce high quality, low protein wheat for the SWS milling market. The lower protein of AC[®] Sadash VB, along with its high grain yields, should make it very suitable for ethanol production.

Observations on Soft White Spring Wheat:

- Varieties like AC[®] Sadash VB are thought to yield 25% to 30% more than AC[®] Carberry over the long term
- Soft White Spring wheat is one of the lowest protein wheat classes (usually 2 to 3% lower grain protein than CWRS)

Major risks for dryland production of Soft White Spring Wheat in western Canada:

- Delayed maturity under cool growing conditions
- Late maturity combined with early fall frost
- Moderately susceptible to reduced yield and increased grain protein under drought stress conditions
- Pre-harvest sprouting under wet harvest conditions

Breeder:

AAFC Lethbridge Research Centre, Lethbridge, AB

2012-2014 Western Soft White Spring Wheat Cooperative Registration Trials

Variety	Mean* (kg/ha)	% AC Andrew	Maturity* (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)
AC Andrew	6772	100	105	2.5	92	76.4	38.0
AC [®] Sadash VB	6993	103	105	2.6	94	77.9	37.7

Variety	Leaf Rust	Stem Rust	Stripe Rust	Common Bunt	Loose Smut	Powdery Mildew	Black Point	Leaf Spot	FHB
AC Andrew	MS	MR	I	S	S	R	I	I	I
AC [®] Sadash VB	I	MR	R	S	I	R	I	I	S

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

2020 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	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC Andrew	30	77	10.9	+4	+3	Y	VG	P	S	S	---	MR	MS	I	I
AAC Indus VB	33	79	10.9	+6	+5	Y	VG	P	S	MS	MS	S	I	R	MS
AAC Paramount VB	34	83	11.4	+4	+8	Y	VG	P	MR	S	---	I	I	R	MS
AC® Sadash VB	35	76	10.7	+4	+8	Y	VG	P	I	S	---	MR	I	R	S

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

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

2020 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of Carberry			Protein	Resistance to:										Relative Maturity (days)	Head Awedness	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4	Irr.		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AC® Carberry	6	100	100	100	14.5	VG	F	MR	R	MR	MR	R	MS	MR	102	Y	35.8	80.3	83	
AC Andrew	5	130	137	---	-3.3	VG	P	MR	MS	I	S	S	---	I	+2	Y	-1.0	-3.5	+2	
AAC Indus VB	5	131	133	138	-3.7	VG	P	S	I	R	S	MS	MS	MS	+3	Y	+2.8	-2.8	+8	
AAC Paramount VB	5	130	131	139	-3.3	VG	P	I	I	R	MR	S	---	MS	+1	Y	+2.1	-2.9	+7	
AC® Sadash VB	5	137	139	---	-4.0	VG	P	MR	I	R	I	S	---	S	+1	Y	-1.5	-2.4	+4	

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

2020 Alberta Seed Guide – CPS & GP Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating (Days +/- AC Andrew)	Protein %	Test Weight (lb/bu)	TSW (g)	Height (cm)	Resistance to:		Disease Tolerance						
	All Sites	Station years of testing	Low <65 bu/ac	Med 65 - 100 bu/ac	High >100 bu/ac						Lodging	Sprouting	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
AC Andrew (bu/ac)	88		53	86	123														
AC Andrew	100	166	100	100	100	105	10.9	62	40	80	VG	P	S	S	I	MS	I		
AC® Carberry	79	68	79	82	76	-1	+2.9	63	40	79	VG	F	MR	R	MR	MS	MR		
AAC Indus VB	104	39	96	108	105	+2	-0.2	61	42	87	VG	P	S	MS	R	MS	MS		
AAC Paramount VB	102	44	XX	105	103	0	+0.1	63	41	87	VG	P	MR	S	R	I	MS		
AC® Sadash VB	105	90	108	105	103	0	-0.1	63	40	83	VG	P	I	S	R	I	S		

Ratings: 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

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