North Dakota Crop Improvement & Seed Association

AAC SPITFIRE

CANADA WESTERN AMBER DURUM

SeCan
Canada's Seed Partner

Characteristics

Yield	High
Straw Strength	Strong
Maturity	Long
Height	Tall

AAC SPITFIRE

AAC Spitfire is a conventional Canada Western Amber Durum with excellent grain yield potential, good lodging tolerance and a good disease package. AAC Spitfire is similar to AC® Strongfield in maturity, test weight, heigh and low cadmium content. AAC Spitfire should be a good fit in all durum growing areas of Western Canada.

Parentage: Sachem/AC® Strongfield/DT757

Strengths

- 8% higher grain yield than AC® Strongfield
- Improved lodging tolerance comparted to AC® Strongfield
- Slighlty shorter than AC® Strongfield
- Resistant to common bunt as well as stem, leaf and stripe rust
- Maturity = AC® Strongfield
- Low grain cadmium

* Weakness: Susceptible to FHB

NEUTRAL TRAITS

- Moderately susceptible to leaf spot and loose smut
- -0.4% Protein compared to AC® Strongfield

NDCISA CERTIFIED

Breeder

Dr. Ron DePauw
Semiarid Prairie Agricultural Research Center
Agriculture & Agri-Food Canada
Swift Current, SK

2010-2013 Western Canadian Durum Cooperative Trials - Registration Data

VARIETY	YIELD (% OF AC® STRONGFIELD)	MATURITY (DAYS)	LODGING 1 = ERECT 9 = FLAT	HEIGHT (CM)	GRAIN PROTEIN	KERNEL WEIGHT(MG)	GLUTEN STRENGH INDEX %
AC® Strongfield	100	105.0	2.8	90.8	14.2	41.3	58
AC Avonlea	94	105.3	2.3	92.2	14.3	40.2	17
AC Navigator	90	106.1	2.3	79.6	13.5	43.6	64
AC Spitfire	108	105.3	1.7	88.9	13.8	42.1	60

Data and information extracted from variety release documents and NDSU Extension Publications A1049-11, 12, 13. 5/2014

2020 Seed Manitoba - Durum Wheat Comparison

VARIETY	SITE YEARS TESTED	YIELD BU/AC	PROTEIN %	RELATIVE MATURITY +/- 101 DAYS	HEIGHT +/- 89CM	SPIKE AWNED	RESISTANCE TO: LODGING	SPROUTING	LOOSE SMUT	BUNT	LEAF SPOT	STEM RUST	LEAF RUST	STRIPE RUST	FHB
AC® Strongfield	26	62	14.4	0	0	Y	G	F	S	MR	I	R	R	MR	S
AAC Cabri	9	65	14.1	+1	+3	Y	G	F	MR	R	I	MR	R	R	MS
AAC Grainland	2	66	1401	+1	+1	Y	G	-----	R	R	MS	MR	R	R	MS
AAC Raymore	14	62	1404	0	0	Y	G	F	MS	MR	I	R	R	MR	S
AAC Stronghold	4	64	14.0	+1	-2	Y	VG	G	R	I	I	R	R	MR	S
AAC Spitfire	11	65	14.3	0	-2	Y	VG	F	MS	R	MS	R	R	R	S

Lodging Rates: 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 - Canada Wstern Amber Durum

VARIETY	AREA 1&2	AREA 3&4	IRRIGATION	PROTEIN	LODGING	SPROUTING	STEM RUST	LEAF RUST	STRIPE RUST	LOOSE SMUT	BUNT	LEAF SPOT	FHB	MATURITY (DAYS	AWNS	SEED WEIGHT (MG)	VOLUME WEIGHT (KG/HL)	HEIGHT (CM)
AC® Strongfield	100	10	100	14.3	P	F	R	R	MR	R	MR	I	S	102	Y	43.0	79.7	89
AAC Cabri	105	104	103	-0.3	P	F	MR	R	R	MR	R	I	MS	+1	Y	-0.8	+0.8	+3
AAC Grainland	105	112	-----	-0.1	F	G	MR	R	R	R	R	MS	MS	+1	Y	0.0	-0.5	+1
AAC Raymore	95	99	93	+0.2	P	F	R	R	MR	MS	MR	I	S	-1	Y	+1.8	-0.1	0
AAC Stronghold	102	102	112	-0.2	VG	G	R	R	MR	R	I	I	MS	+2	Y	+0.4	+0.8	-2
Transcend	102	105	93	-0.3	F	G	R	R	R	S	R	I	MS	+2	Y	-1.4	0.0	+8
AAC Spitfire	108	110	11	-0.4	G	F	R	R	R	MS	R	MS	S	0	Y	+0.3	-0.3	-1

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

2020 Alberta Seed Guide - Canada Western Amber Durum

VARIETY	OVERALL YIELD: ALL SITES	OVERALL YIELD: STATION YEARS OF TESTING	YIELD BY TEST CATEGORY: LOW <45 BU/AC	YIELD BY TEST CATEGORY: MED. 45-75 BU/AC	YIELD BY TEST CATEGORY: HIGH >75 BU/AC	MATURITY RATING (DAYS +/- STRONGFIELD	PROTEIN %	TEST WEIGHT (LB/BU)	KERNEL WEIGHT (MG)	HEIGHT (CM)	LDG.	SPROUTING	DISEASE TOLERACE: LOOSE SMUT	BUNT	STRIPE RUST	LEAF SPOT	FHB
	YIELD AS % OF AC® STRONGFIELD																
AC® Strongfield	100		100	100	100	107	14.3	63	45	84	F	F	S	I	MR	MS	S
AAC Grainland	100	11	XX	XX	XX	+1	-0.2	62	43	82	F	G	R	R	R	MS	MS
AAC Raymore	97	34	99	98	94	-1	0.8	62	47	81	VG	G	R	I	MR	I	MS
AAC Stronghold	101	17	XX	XX	102	+2	-0.6	62	47	81	VG	G	R	I	MR	I	MS
Transcend	100	54	100	102	98	+2	0.5	63	44	88	F	F	S	R	R	I	MS
AAC Spitfire	97	25	100	96	XX	0	-0.4	61	46	82	G	P	MS	R	R	MS	S

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