

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AAC Stronghold (Solid Stem) Canada Western Amber Durum



### Description:

**AAC Stronghold is solid stem Canada Western Amber Durum with excellent yield potential and short strong straw. The solid stem of AAC Stronghold provides excellent wheat stem sawfly tolerance.** AAC Stronghold has a good overall disease package, high test weight, good gluten strength, good pasta colour and low grain Cadmium. AAC Stronghold should be a good fit in all durum growing areas of Western Canada.

**Parentage:** DT805/DT795

### Strengths:

- Very good straw strength, better than all the checks
- 2cm shorter than AC® Strongfield
- 5% higher grain yield than AC® Strongfield
- Solid stem for excellent wheat stem sawfly tolerance
- Resistant to leaf and stem rust and loose smut rust
- Low grain cadmium
- Good rating to sprouting tolerance

### Neutral Traits:

- -0.4% Protein compared to AC® Strongfield
- Moderately resistant to stripe rust
- Moderately susceptible to FHB

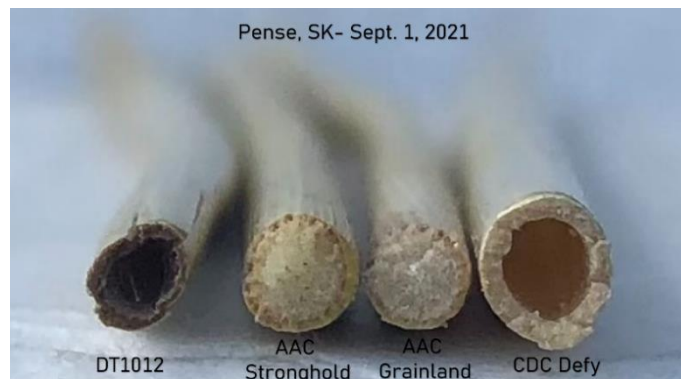
### Weaknesses:

- Approximately 2 day later maturing than AC® Strongfield

### Breeder:

Dr. Y. Ruan  
Semiarid Prairie Agricultural Research Centre  
Agriculture and Agri-Food Canada  
Swift Current, SK

**PBR 91 Protected  
PVP Granted**



**Hollow Stem vs Solid Stem**

### 2013-2015 Western Canadian Durum Cooperative Trials - Registration Data

Variety	Yield (% of AC® Strongfield)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Grain Protein (%)	TKW (g)	Gluten Strength Index %
AC® Strongfield	100	101	3.1	89.5	13.9	41.5	80.5
AAC Cabri	104	103	3.0	93.0	13.6	40.7	79.5
AC Navigator	92	102	2.2	77.2	13.4	44.3	88.5
<b>AAC Stronghold</b>	<b>105</b>	<b>103</b>	<b>1.4</b>	<b>87.4</b>	<b>13.5</b>	<b>44.0</b>	<b>68.5</b>

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For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

**2025 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum**

Variety	Years Tested	Yield % AAC Schrader			Protein	Resistance to:										Head Awns	Stem Solidness	Rel. Maturity (days)	Seed Weight (mg)	Volume Weight (Kg/hl)	Height (cm)
		Area 1&2	Area 3&4	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB							
AAC Schrader	4	100	100	100	14.0	F	F	R	R	R	---	MR	---	I	Y	H	102	41.6	80.2	93	
AAC Grainland	5	99	100	93	+0.1	F	G	MR	R	R	R	R	MS	MS	Y	S	0	+0.5	-1.1	-5	
AAC Spitfire	5	101	102	103	-0.1	G	F	R	R	R	MS	R	MS	S	Y	H	-1	+1.0	-0.6	-6	
AC® Strongfield	6	93	93	92	+0.3	P	F	R	R	MR	R	MR	I	S	Y	H	-1	+1.0	-0.5	-5	
CDC Defy	5	103	104	102	-0.6	G	F	MR	R	I	---	R	---	MS <sup>6</sup>	Y	H	-1	-2.1	+0.8	-1	
CDC Vanтта	4	101	92	99	-0.4	VG	G	I	R	R	---	R	---	MS	Y	H	+2	+0.1	+0.5	-14	
CDC Wiseton	2	97	98	---	+0.3	F	---	R	MR	I	---	R	---	I	Y	H	0	+0.5	-0.7	-2	
Transcend	5	95	98	86	+0.1	F	G	R	R	R	S	R	I	MS <sup>6</sup>	Y	H	0	-0.1	-0.4	+2	
<b>AAC Stronghold</b>	<b>5</b>	<b>97</b>	<b>93</b>	<b>104</b>	<b>0.0</b>	<b>VG</b>	<b>G</b>	<b>R</b>	<b>R</b>	<b>MR</b>	<b>R</b>	<b>I</b>	<b>I</b>	<b>MS</b>	<b>Y</b>	<b>S</b>	<b>+1</b>	<b>+1.9</b>	<b>+0.2</b>	<b>-8</b>	

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  
 Stem Solidness: H = Hollow, SS = semi-solid, S = solid; MS<sup>6</sup> = these varieties generally express lower Fusarium Head Blight symptoms compared to other MS rated cultivars

**2025 Alberta Seed Guide - Canada Western Amber Durum**

Variety	Most Recent Year of Testing	Overall Station years of testing	Overall Yield	Yield as % of AAC Schrader		Maturity Rating (days +/- AC® Strongfield)	Protein %	Test Weight (lb/bu)	Kernel Weight (mg)	Height (cm)	Resistance to:		Disease Tolerance:		
				Low <77 bu/ac	High >77 bu/ac						Lodging	Sprouting	Bunt	Stripe Rust	FHB
<b>AAC Schrader</b>				<b>77</b>	<b>58</b>	<b>111</b>									
AAC Schrader	2024	131	100	100	100	100	14.5	65	40	88	F	F	MR	R	I
AAC Grainland	2020	11	88	88	XX	0	-0.3	64	39	83	F	G	R	R	MS
AC® Strongfield	2024	124	91	91	91	-1	0.0	64	42	83	P	F	MR	MR	S
CDC Defy	2021	18	95	95	93	0	-1.0	66	40	87	G	F	R	I	MS
CDC Vanтта	2023	12	89	XX	88	+2	-0.5	65	40	73	VG	G	R	R	MS
CDC Wiseton	2024	30	94	95	90	0	+0.3	64	42	86	F	XX	R	I	I
Transcend	2022	55	91	92	90	0	+0.3	65	40	90	F	G	R	R	MS
<b>AAC Stronghold</b>	<b>2024</b>	<b>32</b>	<b>94</b>	<b>92</b>	<b>97</b>	<b>-1</b>	<b>-0.5</b>	<b>65</b>	<b>43</b>	<b>81</b>	<b>VG</b>	<b>G</b>	<b>I</b>	<b>MR</b>	<b>MS</b>

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