

# Technical Bulletin

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## CDC Wiseton Canada Western Amber Durum



Progress Through Research  
Le progrès grâce à la recherche

### Description:

CDC Wiseton is a conventional hollow stem durum with high grain protein content, high grain yield potential, very good straw strength and the best FHB rating currently available - Intermediate resistance.

**Parentage:** DT562/DT719//DT577

### Strengths:

- Yield 108% of AC Navigator, similar to AAC Cabri, Brigade and AAC Schrader
- Higher grain protein than all the checks and +0.4% compared to AAC Schrader
- Similar maturity to AC Navigator and AAC Schrader
- Good lodging tolerance, better than all the check varieties - AC Navigator, Brigade, AAC Cabri and AAC Schrader
- 2 cm shorter than AAC Schrader
- Resistant rating to stem rust and bunt
- Moderate resistance rating to leaf rust
- Intermediate resistance rating to FHB, best rating currently for durum**

### Neutral Traits:

- Intermediate resistance to stripe rust

### Weaknesses:

- Test weight slightly lower than checks Brigade and AAC Schrader
- Not solid stem for sawfly tolerance

### Breeder:

Dr. C. J. Pozniak and team  
Crop Development Centre  
University of Saskatchewan  
Saskatoon, SK

### PBR 91 Applied for

### 2020-2022 Western Canadian Durum Cooperative Trials - Registration Data

Variety	Yield (% of AC Navigator)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	TKW (g)	Test Weight (kg/hL)	Grain Protein (%)	Gluten Strength Index %
AC Navigator	100	96.0	3.0	73	44.1	81.1	14.0	80.0
Brigade	111	97.3	1.8	89	41.7	80.2	14.0	95.1
AAC Cabri	105	96.3	3.4	86	39.3	80.8	14.3	72.6
AAC Schrader	112	96.3	2.1	86	39.8	80.4	14.4	81.7
<b>CDC Wiseton (DT1024)</b>	<b>108</b>	<b>96.1</b>	<b>1.6</b>	<b>84</b>	<b>40.9</b>	<b>79.7</b>	<b>14.8</b>	<b>72.0</b>
Station Years	27	20	10	27	27	27	27	

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## 2026 Seed Manitoba – Durum Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 101 days	Height +/- 89cm	Spike Awned	Resistance to:									
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB	
AAC Frontier	2	64	14.2	+2	0	Y	G	G	---	R	---	R	R	R	I	
AAC Grainland	4	66	14.2	+1	+1	Y	F	G	R	R	MS	MR	R	R	MS	
AAC Schrader	2	67	14.2	+2	+4	Y	G	F	---	MR	---	R	R	R	I	
AAC Stronghold	4	64	14.1	+1	-2	Y	VG	G	R	I	I	R	R	MR	MS	
CDC Defy	2	65	13.9	0	+4	Y	G	F	---	R	---	MR	R	I	MS	
CDC Vanta	2	60	14.3	+4	-11	Y	G	G	---	R	---	I	R	R	MS	
<b>CDC Wiseton</b>	<b>2</b>	<b>64</b>	<b>14.5</b>	<b>+2</b>	<b>+1</b>	<b>Y</b>	<b>F</b>	<b>---</b>	<b>---</b>	<b>R</b>	<b>---</b>	<b>R</b>	<b>MR</b>	<b>I</b>	<b>I</b>	

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

## 2026 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum

Variety	Years Tested	Yield % AAC Schrader			Protein	Resistance to:									Head Awns	Stem Solid- ness	Rel. Maturity (days)	Seed Weight (mg)	Volume Weight (Kg/hl)	Height (cm)
		Area 1&2	Area 3&4	Irrig ation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Schrader	5	100	100	100	14.0	F	F	R	R	R	---	MR	---	I	Y	H	102	41.9	80.2	93
AAC Frontier	2	102	101	---	-0.2	F	G	R	R	R	---	R	---	I	Y	H	0	+0.6	+0.1	-3
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
AAC Stronghold	5	97	93	104	0.0	VG	G	R	R	MR	R	I	I	MS	Y	S	+1	+1.9	+0.2	-8
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 Vanta	5	101	93	99	-0.3	VG	G	I	R	R	---	R	---	MS	Y	H	+2	+0.1	+0.4	-13
Transcend	5	95	98	86	+0.1	F	G	R	R	S	R	I	MS <sup>6</sup>	Y	H	0	-0.1	-0.4	+2	
<b>CDC Wiseton</b>	<b>3</b>	<b>96</b>	<b>97</b>	<b>100</b>	<b>+0.3</b>	<b>F</b>	<b>F</b>	<b>MR</b>	<b>I</b>	<b>---</b>	<b>R</b>	<b>---</b>	<b>I</b>	<b>Y</b>	<b>H</b>	<b>0</b>	<b>+0.6</b>	<b>-0.5</b>	<b>-2</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

## 2026 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 +/- AAC Schrader)	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 (bu/ac)</b>				<b>77</b>	<b>57</b>	<b>110</b>									
AAC Schrader	2025	148	100	100	100	100	14.5	65	40	88	F	F	MR	R	I
AAC Frontier	2025	29	102	105	98	+1	+0.2	64	41	85	G	G	R	R	I
AAC Grainland	2020	11	88	88	XX	0	-0.3	64	39	83	F	G	R	R	MS
AAC Stronghold	2025	39	94	91	97	-1	-0.2	65	42	81	VG	G	I	MR	MS
CDC Defy	2021	18	95	95	93	0	-1.0	66	40	87	G	F	R	I	MS
CDC Vanta	2023	12	89	XX	88	+2	-0.5	65	40	73	VG	G	R	R	MS
Transcend	2022	55	91	92	90	0	+0.3	65	40	90	F	G	R	R	MS
<b>CDC Wiseton</b>	<b>2025</b>	<b>37</b>	<b>93</b>	<b>94</b>	<b>92</b>	<b>0</b>	<b>+0.4</b>	<b>64</b>	<b>41</b>	<b>87</b>	<b>F</b>	<b>F</b>	<b>R</b>	<b>I</b>	<b>I</b>

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

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