

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Wiseton Canada Western Amber Durum



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
CDC Wiseton (DT1024)	108	96.1	1.6	84	40.9	79.7	14.8	72.0
Station Years	27	20	10	27	27	27	27	

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

Variety	Years Tested	Yield %			Protein	Resistance to:										Head Awns	Stem Solid-ness	Rel. Maturity (days)	Seed Weight (mg)	Volume Weight (Kg/hl)	Height (cm)
		AAC Schrader				Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB							
		Area 1&2	Area 3&4	Irrig-ation																	
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	
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	
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 ⁶	Y	H	-1	-2.1	+0.8	-1	
CDC Vantta	4	101	92	99	-0.4	VG	G	I	R	R	---	R	---	MS	Y	H	+2	+0.1	+0.5	-14	
Transcend	5	95	98	86	+0.1	F	G	R	R	R	S	R	I	MS ⁶	Y	H	0	-0.1	-0.4	+2	
CDC Wiseton	2	97	98	---	+0.3	F	---	R	MR	I	---	R	---	I	Y	H	0	+0.5	-0.7	-2	

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; MS⁶ = 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
AAC Schrader (bu/ac)			77	58	111										
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
AAC Stronghold	2024	32	94	92	97	-1	-0.5	65	43	81	VG	G	I	MR	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 Vantta	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
CDC Wiseton	2024	30	94	95	90	0	+0.3	64	42	86	F	XX	R	I	I

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