

Technical Bulletin

Genes that fit *your* farm.



CDC Defy Canada Western Amber Durum



Description:

CDC Defy is a conventional Canada Western Amber Durum with excellent grain yield potential, very good lodging tolerance and best in class FHB resistance. CDC Defy should be a good fit in all dryland durum growing areas of Western Canada.

Parentage: CDC Verona/DT563

Strengths:

- 10% higher grain yield than AC[®] Strongfield
- Low DON accumulation compared to the check cultivars
- Rated MS* in Saskatchewan to FHB resistance which is improved over most other durum cultivars
- Good lodging tolerance, better than all the check cultivars
- Maturity similar to AC[®] Strongfield
- Rated resistant to common bunt and leaf rust
- Moderately resistant to stem rust

Neutral Traits:

- +4 cm height compared to AC[®] Strongfield
- Intermediate resistance to stripe rust

Weaknesses:

- -0.8% protein compared to AC[®] Strongfield
- Not solid stem for sawfly tolerance

Breeder:

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

**PBR 91 Applied for
PVP Granted**

2016-2018 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	98	3.1	86	14.4	41.5	69
AC Navigator	97	99	2.8	75	13.8	43.3	73
Brigade	107	100	2.4	93	13.8	42.8	88
AAC Cabri	101	99	3.4	88	14.2	40.6	66
CDC Defy	110	98	2.0	90	13.6	41.7	56

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

2024 Varieties of Grain Crops for Saskatchewan - Canada Western Amber Durum

Variety	Years Tested	Yield % AC® Strongfield			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							
AC® Strongfield	6	100	100	100	14.3	P	F	R	R	MR	R	MR	I	S	Y	H	101	42.9	79.7	87	
AAC Antler	2	108	104	---	0.0	F	F	R	R	R	---	R	---	MS ⁶	Y	H	+1	-1.9	+0.9	+2	
AAC Grainland	5	105	108	104	-0.2	F	G	MR	R	R	R	R	MS	MS	Y	S	+1	-0.4	-0.6	+1	
AAC Spitfire	5	108	110	111	-0.4	G	F	R	R	R	MS	R	MS	S	Y	H	0	0.0	-0.1	-1	
AAC Stronghold	5	101	100	112	-0.3	VG	G	R	R	MR	R	I	I	MS	Y	S	+2	+0.9	+0.7	-2	
CDC Vantta	3	109	97	113	-0.8	G	G	I	R	R	---	R	---	MS	Y	H	+3	-0.9	+1.0	-8	
Transcend	5	102	105	93	-0.1	F	G	R	R	R	S	R	I	MS ⁶	Y	H	+1	-1.1	+0.1	+7	
CDC Defy	5	111	111	115	-0.9	G	F	MR	R	I	---	R	---	MS⁶	Y	H	0	-3.0	+1.3	+4	

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

2024 Alberta Seed Guide - Canada Western Amber Durum

Variety	Most Recent Year of Testing	Overall Station years of testing	Overall Yield	Yield as % of AC® Strongfield		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
AC® Strongfield (bu/ac)				68	54	100									
AC® Strongfield	2023	180	100	100	100	107	14.5	62	44	86	F	F	MR	MR	S
AAC Antler	2023	33	102	104	100	+1	+0.2	63	42	87	F	F	R	R	MS
AAC Grainland	2020	11	97	97	XX	+1	-0.5	62	43	86	F	G	R	R	MS
AAC Spitfire	2016	21	98	98	XX	0	-0.6	61	46	83	G	F	R	R	S
AAC Stronghold	2023	29	104	101	108	+1	-0.5	62	45	83	VG	G	I	MR	MS
CDC Vantta	2023	12	101	XX	99	+4	-0.7	62	42	76	VG	G	R	R	MS
Transcend	2022	55	101	102	99	+1	+0.2	62	42	93	F	G	R	R	MS
CDC Defy	2021	18	105	106	102	0	-1.0	63	42	90	G	F	R	I	MS

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