

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Maverick

2 Row Feed and Forage Barley



CDC Maverick is a 2 row, smooth awned, forage barley with CDC Cowboy parentage. CDC Maverick has very high forage yield potential and very large plump grain with high test weight. CDC Maverick is ideally suited to lower input management and areas with lighter soils or drought conditions but will produce top forage yields under almost all conditions across Western Canada.

Parentage: Falcon/SB93964//CDC Cowboy

Strengths:

- Smooth awned for improved palatability
- Large plump grain with high test weight, kernel weight and protein
- MR to stem rust
- Intermediate resistance to FHB and DON accumulation

Neutral Traits:

- MR to net blotch, spot blotch and common root rot
- Fair lodging tolerance and tall plant height
- Medium maturity

Weaknesses:

- Average grain yield
- Susceptible to scald, BYDV and loose smut
- Slightly lower forage protein

Breeder:

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2009-10 Western Cooperative Forge Barley Registration Trials

Entry	DM Yield (kg/ha)	DM Yield as % AC Ranger	Days to Head	Plant Height (cm)	Lodging Score (1-9)	Days to Maturity	Kernel Weight (mg)	Test Weight (kg/hL)	Plump (%>6/64)
Viriden	8581.7	107.6	58.6	89.6	1.5	97.3	45.0	60.2	89.2
AC Ranger	7977	100	56.7	81.0	2.5	95.5	41.6	61.3	79.5
Vivar	7998.3	100	57.6	75.1	1.5	96.7	43.9	62.9	85.6
CDC Maverick	9226.2	115.7	57.8	99.2	3.7	96	56.8	68.1	95.5

Forage Quality from Western Cooperative Forage Barley Registration Trials

Entry	Grain CP	Forage Quality					RFV as % AC Ranger
		CP	ADF	NDF	TDN	RFV	
Viriden	11.5	8.0	34.3	52.7	53.8	109.9	96.0
AC Ranger	11.4	8.4	32.0	52.0	56.3	114.4	100
Vivar	11.3	8.3	31.7	51.5	56.7	115.9	101.3
CDC Maverick	13.2	7.6	32.7	52.2	55.6	113.1	98.8

Abbreviations: CP = Crude Protein, ADF = Acid Detergent Fibre, NDF = Neutral Detergent Fibre, TDN = Total Digestible Nutrients, RFV = Relative Feed Value (to alfalfa = 100)

Seed Manitoba 2015 - Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Relative Maturity +/- 88 days	Height Inches 35"	Test Weight +/- 48.7lb/bu	Rough or Smooth Awns	Lodging	Loose Smut	Surface Borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem Rust	FHB
AC Metcalfe	141	93	12.7	0	0	0	R	F	R	I	I	S	I	I	MR	I
CDC Austenson	39	109	12.1	1	0	0.5	R	G	S	R	I	MS	R	MR	I	I
CDC Cowboy	50	92	13.0	1	6	1.3	R	G	MS	MR	I	I	MR	I	MR	MR
CDC Maverick	16	94	12.9	1	4	5.4	S	F	S	R	I	I	MR	I	MR	I

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

2015 Saskatchewan Varieties of Grain - Barley Comparison

Variety	# Rows	Awn Type	Yield (% of AC Metcalfe)		Relative Maturity	Lodging	Net Form Net Blotch	Spot-Form Net Blotch	Spot Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	Tolerance To FHB
			Area 1&2	Area 3&4											
AC Metcalfe	2	R	100	100	M	G	VP	F	F	P	VG	F	F	G	F
CDC Austenson	2	R	118	121	M	G	P	VG	G	VP	VP	VG	F	F	F
CDC Cowboy	2	R	99	105	L	F	F	G	F	P	P	G	F	G	G
CDC Maverick	2	S	100	98	M	F	F	G	F	P	VP	VG	F	G	G

M=Medium; L=Late; F=Fair; G=Good; VG=Very Good; P=Poor; VP=Very Poor

2015 Alberta Seed Guide – Feed Barley Comparison

Variety	2 or 6 Row	Awn	All sites	Station Years	Low <60 bu/ac	Medium 60-90 bu/ac	High 90-120 bu/ac	Very High >120 bu/ac	Maturity Days +/- AC Metcalfe	Test Weight lb/bu	Kernel Weight g/1000k	Height (cm)	Lodging	Disease Tolerance						
														Loose Smut	Other Smuts	Root Rot	Scald	Spot Form Net blotch	Net Form Blotch	FHB
AC Metcalfe (bu/ac)					46	79	103	133												
AC Metcalfe	2	R	100	510	100	100	100	100	M	52	46	79	F	R	I	I	S	I	S	I
CDC Austenson	2	R	112+	65	108	113+	111+	112+	L	54	46	78	G	S	R	I	S	R	MS	I
CDC Cowboy	2	R	95-	75	107	94-	93-	96-	L	52	55	103	F	MS	MR	I	MS	MR	I	MR
Seebe	2	R	101	229	97	100	102	100	VL	52	50	86	G	S	R	I	MR	MS	S	MR
CDC Maverick	2	S	95-	43	XX	90-	97	96	M	54	55	98	F	S	R	I	MS	MR	I	I

Fl. & Cov. Smut=False Loose & Covered Smuts; R=Rough; G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor
 Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible