

Technical Bulletin

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SeCan

Canada's Seed Partner



CDC Cowboy 2 Row Feed and Forage Barley

Description:

CDC Cowboy is a 2 row-hulled forage type barley with very high forage and grain yield. CDC Cowboy is an excellent dual purpose barley that is especially well adapted to low input management, lighter soils or drought stress conditions. CDC Cowboy will produce top forage/grain yield along with plump kernels under all almost all conditions across the Prairies.

Strengths:

- High forage yield, 107% of AC Lacombe and AC Ranger in 2002-2003 Forage Barley Co-operative Trials
- Forage yield: 108% of AC Ranger in 2003 Saskatchewan Forage Council Yield Trials
- Relative feed value higher than AC Ranger and other checks
- Very large, plump kernels with high test weight (93% plump kernels)
- Resistant to stem rust
- Resistant to covered and false loose smut

Neutral Traits:

- 13 cm taller than AC Lacombe
- Lodging resistance similar to AC Lacombe
- 2 days later than AC Lacombe

Weaknesses:

- Susceptible to scald, spot blotch, BYDV and loose smut

Breeder:

Brian Rossnagel
Crop Development Centre,
University of Saskatchewan

2002-2003 Forage Barley Cooperative Trials

Entry	Dry Matter Forage Yield (% AC Lacombe)	Relative Feed Value	Grain Yield (% AC Lacombe)	Maturity (days)	Height (cm)	Lodging 1 = erect 9 = flat	Test Weight (kg/hl)	% Plump	Scald Rating	Net Blotch Rating	Loose Smut	Other Smuts
Virden	105	110	103	89	84	2.5	59	85	MS	---	S	---
Westford	93	110	81	89	83	2.0	53	90	R	---	S	---
AC Ranger	100	112	115	88	78	3.2	60	77	S	I	S	---
AC Lacombe	100	108	100	86	84	3.5	60	70	I	I	S	R
Vivar	98	115	106	88	75	1.4	61	84	S	I	I	R
CDC Cowboy	107	114	92	88	97	3.7	65	93	S	I	S	R

MS = Moderately Susceptible; S=Susceptible; I=Intermediate; R=Resistance

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

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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 Maverick	16	94	12.9	1	4	5.4	S	F	S	R	I	I	MR	I	MR	I
CDC Cowboy	50	92	13.0	1	6	1.3	R	G	MS	MR	I	I	MR	I	MR	MR

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 Maverick	2	S	100	98	M	F	F	G	F	P	VP	VG	F	G	G
CDC Cowboy	2	R	99	105	L	F	F	G	F	P	P	G	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 Net 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 Maverick	2	S	95-	43	XX	90-	97	96	M	54	55	98	F	S	R	I	MS	MR	I	I
Seebe	2	R	101	229	97	100	102	100	VL	52	50	86	G	S	R	I	MR	MS	S	MR
CDC Cowboy	2	R	95-	75	107	94-	93-	96-	L	52	55	103	F	MS	MR	I	MS	MR	I	MR

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

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