

## 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 Cooperative 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

**Plant Breeders' Rights Applied For**

### 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

## 2006 Saskatchewan Varieties of Grain Barley Comparison

Variety	# Rows	Awn type	Yield as % of Harrington: Area				Relative Maturity	Ldg	Net Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	Tolerance to FHB
			1	2	3	4									
AC Metcalfe	2	R	100	100	100	100	M	G	F	P	VG	F	G	F	
AC Lacombe	6	S	98	110	110	102	M	G	F	F	P	VG	F	G	VP
CDC Dolly	2	R	103	103	104	102	M	G	P	G	P	G	F	G	F
CDC Helgason	2	R	107	104	105	102	M	G	G	P	VG	G	F	F	P
<b>CDC Cowboy</b>	<b>2</b>	<b>R</b>	<b>---</b>	<b>103</b>	<b>---</b>	<b>---</b>	<b>L</b>	<b>F</b>	<b>G</b>	<b>P</b>	<b>P</b>	<b>VG</b>	<b>F</b>	<b>G</b>	<b>G</b>

Ldg.= Lodging; FHB = Fusarium Head Blight

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

Awn Type: S=Smooth; R=Rough

## Seed Manitoba 2006 Barley Comparison

Variety	Site Years	2 or 6 Row	Long Term Manitoba Average Yield (% of Robust)	Relative Maturity (Days)	Height Inches	Test Wt (lb/bu)	Awn Type	Lodging	Stem Rust	Loose Smut	Surface borne Smut	Root Rot	Net Blotch	Spot Blotch	FHB
Robust	--	6	100	89	39	48	S	G	G	F	F	F	P	G	VP
AC Metcalfe	63	2	103	-1	-4	+0.7	R	F	G	VG	F	F	F	F	F
CDC Dolly	35	2	101	-2	-5	+1.5	R	P	P	F	F	F	P	VP	F
AC Lacombe	26	6	115	-1	-5	+1	S	G	G	P	G	P	F	F	VP
<b>CDC Cowboy</b>	<b>12</b>	<b>2</b>	<b>107</b>	<b>+0</b>	<b>+2</b>	<b>+2</b>	<b>R</b>	<b>G</b>	<b>G</b>	<b>P</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>F</b>	<b>G</b>

VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very Poor;