

Technical Bulletin

Genes that fit *your* farm.



CDC Renegade 2-Row Feed & Forage Barley



Description:

CDC Renegade offers a great combination of grain and forage yield in a mid-height smooth awned 2-row barley. Through registration trials CDC Renegade averaged 97% of CDC Austenson for grain yield potential and **104% for forage yield** potential making it a perfect fit for both grain and forage production. CDC Renegade should perform well in all barley growing regions of Western Canada.

Parentage: Xena/SB090601

Strengths:

- Grain yield 116% CDC Cowboy and 97% of CDC Austenson in registration trials
- Forage yield 104% of both CDC Cowboy and CDC Austenson in registration trials
- High percentage plump seed
- Moderately Resistant to FHB, stem rust and surface smut
- Improved forage quality compared to CDC Cowboy

Neutral Traits:

- 10cm shorter than CDC Cowboy and 10cm taller than CDC Austenson
- Late maturity similar to CDC Cowboy and CDC Austenson
- Intermediate resistance to spot-form net blotch

Weaknesses:

- Fair tolerance to lodging similar to CDC Cowboy

Breeder:

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Saskatoon, SK

PBR 91 Pending

2018-2019 Grain Yield, Western Co-operative Forage Barley Registration Trials

Variety	Grain Yield (% of CDC Austenson)	Maturity (days)	Height (cm)	Lodging 1 = erect 9 = flat	Kernel Weight (g)	Test Weight (kg/hl)	Plump (%)
CDC Austenson	100	90.3	79.9	2.3	49.1	66.6	92.8
CDC Cowboy	81	90.0	100.5	3.9	54.8	66.3	96.0
Gadsby	92	89.0	84.1	4.1	54.0	65.0	97.0
Vivar	94	90.2	74.4	3.3	46.1	62.4	88.5
CDC Renegade	97	90.5	90.5	3.9	51.5	64.5	92.9
# of Sites	10	10	10	3	10	10	10

2018-2019 Dry Matter Yield, Western Co-operative Forage Barley Registration Trials

Variety	Grain Yield (% of Gadsby)	Crude Protein (%)	NDF (%)	ADF (%)	IVTD (%)	Starch (%)	NDFD (%)	Carrying Capacity (cow d/ha)	Daily Cost (\$/cow-day)	ADG (kg/d)	Cost of Gain (\$/kg)
CDC Austenson	102	9.0	25.4	47.6	73.5	14.6	44.4	678	\$1.08	0.69	\$1.67
CDC Cowboy	102	8.2	27.3	49.3	71.8	12.3	42.8	703	\$1.05	0.62	\$1.89
Gadsby	100	8.4	25.8	47.4	73.6	15.1	44.4	666	\$1.08	0.67	\$1.73
Vivar	94	8.8	25.8	48.3	73.2	13.5	44.7	627	\$1.12	0.67	\$1.75
CDC Renegade	106	8.6	26.7	47.7	72.9	11.5	43.2	717	\$1.03	0.64	\$1.79
# of Sites	14	14	14	14	14	14	14	14	14	14	14

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

Seed Manitoba 2022 - Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Relative Maturity +/- 88 days	Height +/- 89cm	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
AB Advantage (6R)	30	106	13.3	+1	+15	0	S	VG	MR	I	---	MS	I	I	I	S
AB Tofield (6R)	29	109	12.2	+1	+5	+1	S	VG	---	MR	---	MS	I	I	R	S
CDC Austenson (2R)	55	112	12.3	+1	0	+0.5	R	G	S	R	I	MS	R	MR	I	I
CDC Churchill (2R)	31	110	12.2	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Maverick (2R)	29	96	13.5	+1	+10	+5.4	S	F	S	R	I	I	MR	I	MR	MR
CONLON (2R)	88	94	12.9	-1	-3	+0.8	S	G	I	I	I	I	MR	S	MR	MR
Esma (2R) VUA	19	112	12.2	+1	-10	-0.4	---	G	---	---	---	---	---	---	---	---
CDC Renegade (2R)	18	110	12.4	+1	7	-0.3	S	F	I	MR	---	MS	MR	MS	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

2022 Saskatchewan Varieties of Grain - Barley Comparison

Variety	Years Tested	# Rows	Awn Type	Yield (% of AAC Synergy)		Relative Maturity	Lodging	Net Form Net Blotch	Spot-Form Net Blotch	Spot Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	FHB
				Area 1&2	Area 3&4											
AAC Synergy	7	2	R	100	100	M	F	MR	R	R	S	S	I	I	MR	I
AB Advantage	6	6	S	104	99	VL	VG	MS	I	I	I	MR	I	---	I	S
AB Tofield	4	6	S	106	106	L	G	MS	I	I	I	---	MR	---	R	S
CDC Austenson	7	2	R	102	103	M	G	MS	R	MR	S	S	R	I	I	I
CDC Churchill	6	2	R	104	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Maverick	6	2	S	79	83	M	F	I	MR	I	MS	S	R	I	MR	MR
Esma VUA	2	2	R	115	105	M	G	---	---	---	---	---	---	---	---	---
CDC Renegade	2	2	S	115	105	M	F	I	MR	MS	S	MS	MR	---	MR	MR

M=Medium; L=Late; 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

2022 Alberta Seed Guide – Barley Comparison

Variety	2 or 6 Row	Awn Type	Station Years	Yield % CDC Copeland			Maturity Days +/- CDC Copeland	Test Weight lb/bu	TKW (g)	Height (cm)	Resistance to Lodging	Disease Tolerance						
				Overall Yield	Low <113 (bu/ac)	High >113 (bu/ac)						Loose Smut	Other Smuts	Scald	Spot Form Net blotch	Net Form Blotch	Spot Blotch	FHB
CDC Copeland (bu/ac)				108	86	138												
CDC Copeland	2	R	147	100	100	100	98	51	50	84	F	MS	I	S	I	I	S	I
AB Advantage	6	S	32	108	104	110	1	50	50	95	G	MR	I	I	I	MS	I	S
AB Tofield	6	S	24	108	106	109	1	50	45	82	G	XX	MR	I	I	MS	I	S
CDC Austenson	2	R	52	108	107	109	2	53	51	79	G	S	R	S	R	MS	MR	I
CDC Churchill	2	R	32	110	113	109	0	52	49	74	G	MS	MR	S	MR	MR	I	MS
CDC Maverick	6	S	31	92	88	96	1	54	55	98	F	S	R	MS	MR	I	I	MR
Esma VUA	2	R	15	116	119	114	1	51	51	68	VG	NT	NT	NT	NT	NT	NT	NT
KWS Kellie VUA	2	R	15	120	126	114	2	50	52	66	VG	NT	NT	NT	NT	NT	NT	NT
CDC Renegade	2	S	15	108	116	101	0	50	52	89	F	I	MR	S	MR	I	MS	MR

R=Rough; VG=Very Good, G=Good, F=Fair; P=Poor; VP=Very Poor Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible, NT= Not tested

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