

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC McGwire 2-Row Hulless Feed Barley



CDC McGwire has very good threshability and high yield. CDC McGwire was tested in Co-operative Registration Trials from 1996 to 1998 and yielded 16% more than Condor on average. This high yielding variety is similar in height to CDC Dawn and AC Bacon but has better lodging resistance than CDC Dawn and CDC Dolly. CDC McGwire has very good threshability along with an excellent combination of disease resistance for western Canada.

Strengths:

- 16% higher yield than Condor, 10% higher yield than CDC Dawn (1996-98 Co-op Trials)
- Very good threshability
- Good resistance to net blotch
- Moderate spot blotch resistance
- Moderate scald resistance
- Moderate false loose and covered smut resistance
- Larger and plumper kernels than Condor, Falcon, CDC Dawn and AC Bacon

Neutral Traits:

- Medium maturity similar to CDC Dawn and CDC Dolly
- Moderate straw strength with stronger straw than CDC Dawn and CDC Dolly

Weaknesses:

- Susceptible to loose smut

Breeder:

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Crop Development Center
University of Saskatchewan
Saskatoon, SK

1996-98 Western Hulless Barley Co-operative Registration Trials

Entry	Yield (% Condor)	Maturity (days)	Height (cm)	Lodging 1=best 9=flat	Kernel Weight (mg)	% Plump
CDC Dolly	125	94.0	80	4.2	46.9	90
Condor	100	93.0	82	3.6	36.6	61
Falcon	100	92.5	73	2.5	33.1	36
CDC Dawn	106	94.2	86	4.2	37.3	56
AC Bacon	120	92.8	90	3.1	36.1	60
CDC McGwire	116	94.8	87	3.6	38.2	65

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

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 Clear	28	92	12.4	2	2	9	R	F	R	R	I	MS	R	I	MR	MR
CDC Carter	35	87	12.9	1	0	8	R	F	R	R	S	I	MR	I	I	I
CDC McGwire	No Data Available															

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 Clear	2	R	97	103	L	G	P	VG	F	P	VG	VG	F	G	G
CDC Carter	2	R	94	99	M	G	F	G	F	P	VG	VG	VP	F	F
CDC McGwire	2	R	98	99	M	G	F	G	F	F	P	G	G	F	G

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

2015 Alberta Seed Guide – Hulless 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 Clear	2	R	95-	43	XX	92-	100	XX	L	62	47	85	G	R	R	I	S	R	MS	MR
CDC Carter	2	R	97-	45	97	99	94-	XX	M	62	39	77	VG	R	R	S	MS	MR	I	I
CDC McGwire	2	R	93-	107	88-	93-	99	XX	M	61	39	80	VG	MS	MR	MR	I	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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