

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AC Morgan

## White Hull Milling Oat

### High yielding with excellent milling quality.

AC Morgan is a white hulled, conventional height, milling oat. It has high grain yield, very good lodging resistance and excellent milling quality. AC Morgan matures 1 day later than CDC Pacer on average and is similar to CDC Pacer in disease resistance. It is susceptible to crown and stem rust. It is moderately susceptible to smut as are CDC Pacer, Derby, Calibre, Cascade, AC Juniper and AC Mustang.

### Strengths:

- Higher yield than CDC Pacer and AC Medallion
- Most widely-grown milling quality oat variety in Saskatchewan and Alberta
- Excellent lodging resistance, better lodging resistance than CDC Pacer

- High percentage of plump kernels, low percentage of thin kernels
- Very good overall milling quality

### Neutral Traits:

- Plant height similar to CDC Pacer and AC Medallion (conventional height)

### Weaknesses:

- Matures 1 day later than CDC Pacer
- Susceptible to leaf rust and stem rust

### Breeder:

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### 1997-98 Western Cooperative Oat Test

Entry	Yield (%)	Maturity (days)	Lodging 1=best 9=flat	Height (cm)	Test Weight (kg/hl)	% Plump Kernels	% Thin Kernels	Stem Rust	Leaf Rust	Smut
AC Medallion	100	95.9	4.8	104	49.0	65.6	2.5	VG	VG	VG
CDC Pacer	102	93.5	3.9	104	48.7	50.6	3.0	VP	VP	F
<b>AC Morgan</b>	<b>104</b>	<b>94.9</b>	<b>2.4</b>	<b>104</b>	<b>48.2</b>	<b>58.8</b>	<b>2.7</b>	<b>VP</b>	<b>VP</b>	<b>F</b>

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

## 2015 Seed Manitoba – Oat Grain Yield Comparison

Variety	Yield bu/ac	Maturity +/- 96 days	Height +/- 33"	% Hull	Hull Colour	Test Wt. +/- 39.3lb/bu	Resistance to:				
							Lodging	Stem Rust	Crown Rust	Smut	BYDV
CDC Dancer	128	-3	5	19.6	White	0.5	G	I	I	R	MS
Leggett	136	0	0	23.0	White	0	G	I	R	R	MS
Ronald	128	0	1	22.1	White	0	VG	I	S	R	MR
<b>AC Morgan</b>	<b>136</b>	<b>-1</b>	<b>6</b>	<b>25.2</b>	<b>White</b>	<b>-1.0</b>	<b>G</b>	<b>I</b>	<b>S</b>	<b>S</b>	<b>MS</b>

M=Medium; L=Late; VL=Very Late G=Good; VG=Very Good; P=Poor; VP = Very Poor; F=Fair  
R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible

## 2015 Saskatchewan Varieties of Grain - Oat Comparison

Variety	Yield % of CDC Dancer		Test Weight (g/0.5L)	% Hull	% Plump	Maturity Rating	Height (cm)	Resistance to:			
	Area 1 & 2	Area 3 & 4						Lodging	Stem Rust	Crown Rust	Smut
CDC Dancer	100	100	253	19.8	86	M	103	G	F	F	VG
Leggett	103	104	256	22.0	82	L	96	G	F	VG	VG
Ronald	96	99	249	22.4	74	L	97	VG	F	P	VG
<b>AC Morgan</b>	<b>104</b>	<b>108</b>	<b>236</b>	<b>25.1</b>	<b>82</b>	<b>L</b>	<b>101</b>	<b>VG</b>	<b>VP</b>	<b>VP</b>	<b>F</b>

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

## 2015 Alberta Seed Guide - Oat Grain Yield Comparison

Variety	Yield as % of CDC Dancer					Comp Mat (Days)	Test Weight (lb/bu)	Kernel Weight (g/1000)	Height (cm)	Resistance to:	
	All Sites	Low <70 bu/ac	Medium 70-100 bu/ac	High 100 to 130 bu/ac	Very High >130 bu/ac					Lodging	Smuts
CDC Dancer	100	100	100	100	100	E	41	37	94	G	R
Bradley	104+	XX	103	108	106	M	39	39	92	VG	R
Derby	101	103	102	96-	105	L	41	39	103	G	MS
Jordan	112+	112+	109+	117+	XX	VL	38	44	87	G	R
<b>AC Morgan</b>	<b>111+</b>	<b>110+</b>	<b>110+</b>	<b>111+</b>	<b>115+</b>	<b>M</b>	<b>40</b>	<b>40</b>	<b>92</b>	<b>VG</b>	<b>I</b>

M=Medium; L=Late; VL=Very Late R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)