

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

Ronald

White Hull Milling Oat



Ronald is a white hulled semi-dwarf milling oat. It delivers high grain yield along with excellent lodging resistance. In addition, Ronald carries intermediate stem rust resistance, and smut resistance plus moderate barley yellow dwarf virus resistance.

Strengths:

- Semi-dwarf with excellent lodging resistance, stronger straw than AC Assiniboia
- Good milling quality
- 4% higher yield than AC Medallion in 1998 & 1999 Western Cooperative Oat trials
- Smut resistant
- Moderate resistance to BYDV
- 7 cm shorter than AC Assiniboia, 10 cm shorter than AC Medallion

- Higher test weight than AC Medallion, and AC Assiniboia based on Coop data comparison

Neutral Traits:

- White hull
- Maturity similar to AC Medallion

Weaknesses:

- % plump kernels slightly lower than AC Medallion

Breeder:

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1997-98 Western Cooperative Oat Test

Entry	Yield (%)	Maturity (days)	Lodging 1=best 0=flat	Height (cm)	Test Weight (kg/hL)	% Plump Kernels	% Thin Kernels	Resistance to:		
								Stem Rust	Leaf Rust	Smut
AC Medallion	100	99.2	4.5	111	48.6	65.8	2.4	MR	R	R
CDC Pacer	100	95.7	3.8	109	47.9	49.0	3.5	S	S	S
Ronald	104	99.1	1.6	101	49.5	57.5	4.6	MR	R	R

R=Resistant; MR=Moderately Resistant; S=Susceptible

2011 Seed Manitoba - Oat Comparison

Variety	Long Term Average Yield (% of Leggett)	Relative Maturity (Days)	Height inches	% Hull	Hull Colour	Test Wt. lb/bu	Resistance to:					% Grain Protein
							Lodging	Stem Rust	Crown Rust	Smut	BYDV	
Leggett	100	96	33	23.0	White	39.3	G	I	R	R	MS	12.9
AC Assiniboia	87	-1	5	23.1	Tan	-1.0	VG	I	S	R	I	-1.2
AC Morgan	94	-1	6	25.2	White	-1.0	G	S	S	I	MS	-1.6
CDC Dancer	90	-3	5	19.6	White	0.5	G	I	I	R	MS	-0.7
Pinnacle	107	3	4	23.7	White	-1.2	G	I	S	R	MS	-1.8
AC [®] Jordan	101	2	3	23.6	White	-2	VG	I	I	R	MR	-2.1
Ronald	87	0	1	22.1	White	0	VG	I	S	R	MR	-1.1

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

2011 Saskatchewan Varieties of Grain - Oat Comparison

Variety	Yield % of CDC Dancer		Test Weight (g/0.5L)	% Hull	% Plump	Maturity Rating	Resistance to:			
	Area 1 & 2	Area 3 & 4					Lodging	Stem Rust	Leaf Rust	Smut
CDC Dancer	100	100	253	19.8	70	M	G	F	F	VG
AC Morgan	104	108	236	25.1	54	L	VG	VP	VP	F
Pinnacle	113	109	244	23.6	70	VL	F	F	P	VG
AC [®] Jordan	110	118	238	22.4	76	VL	G	F	F	VG
Ronald	96	99	249	22.4	55	L	VG	F	P	VG

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

2011 Alberta Seed Guide - Oat Comparison

Variety	Yield as % of CDC Dancer					Maturity Rating	Test Weight (lb/bu)	Kernel Weight (g/1000)	Resistance to:	
	Low <70 bu/ac	Medium 70 to 100 bu/ac	High 100 to 130 bu/ac	Very High >130 bu/ac	All Sites				Lodging	Smuts
CDC Dancer	100	100	100	100	100	E	41	37	G	VG
Cascade	104	100	102	99	101	E	39	36	G	VP
CDC Boyer	103	96	95-	99	99	M	39	48	G	VP
Derby	108	101	97	99	101	L	41	39	G	P
AC Morgan	113+	111+	111+	110+	112+	M	40	40	VG	P
AC [®] Jordan	112+	110+	118+	XX	112+	VL	38	44	G	VG
Ronald	98	95	98	95	97-	M	42	36	VG	VG

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