

Technical Bulletin

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SeCan

Canada's Seed Partner



AC[®] Flourish Canada Western Red Winter Wheat

Description:

AC[®] Flourish is a CWRW variety with short strong straw, high yield potential, early maturity and high protein content. AC[®] Flourish has shown very high grain yield potential, good resistance to leaf and stem rust and common bunt. AC[®] Flourish is well adapted across the western Canadian Prairies. In the rust area of the Prairies, AC[®] Flourish has shown higher yield than the leading cultivar, CDC Falcon, with improved protein content and quality.

Parentage:

93CBWA1-12/Blizzard/CDC Kestrel/3/CDC Falcon

Strengths:

- Short strong straw
- Select class CWRW with improved protein potential
- Early maturity, similar to CDC Falcon
- Good resistance to stem and leaf rust
- Good resistance to common bunt

Neutral Traits:

- Stem and leaf rust resistance slightly inferior to CDC Falcon
- Slightly taller than CDC Falcon, +4 cm

Weakness:

- Susceptible to fusarium head blight, similar to CDC Falcon
- Slightly lower winter survival rating compared to the mean of the checks, similar to CDC Falcon

Breeder:

Dr. Robert Graf
Agriculture and Agri-Food Canada
Lethbridge, AB

2007-2009 Western Winter Wheat Cooperative Registration Trial Data

Variety	Yield (% Mean Mean)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Winter Survival (%)
CDC Osprey	101%	216	3.7	92	78.4	30.9	12.0	85
Radiant	100%	220	2.5	89	78.8	34.3	11.9	84
CDC Falcon	102%	215	2.9	75	78.8	30.3	11.3	84
AC [®] Flourish	100%	215	2.6	79	78.6	34.6	12.4	83

F=Fair; P=Poor; VP=Very Poor

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

2013 Seed Manitoba- Winter Wheat Comparison

Variety	Long Term Average Yield bu/ac	Site Years Tested	Protein %	Height +/- 26 inches	Relative Maturity	Relative Winter Hardiness	Resistance to:				
							Lodging	Common Bunt	Stem Rust	Leaf Rust	FHB
CDC Buteo	79	87	11.2	4	M	VG	G	S	I	I	MR
CDC Falcon *	78	90	11.2	0	E	F	VG	S	MR	MR	S
McClintock	78	80	11.4	7	L	F	VG	S	R	MR	S
Moats	80	18	11.5	6	E	G	G	MS	R	R	S
AC® Flourish	80	17	11.4	2	E	F	VG	MR	I	I	S

F=Fair; G=Good; VG=Very Good; R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

*CDC Falcon will be moving to the Canada Western General Purpose class in August 2014

2013 Varieties of Grain Crops for Saskatchewan - Winter Wheat Comparison

Variety	Site Years Tested	Yield as % of CDC Buteo				Protein Content (%)	Resistance to:						Relative Maturity	Height (cm)	
		Low Moisture		High Moisture			Lodging	Winter Survival	Stem Rust	Leaf Rust	Stripe Rust	Bunt			FHB
CDC Buteo (bu/ac)		40	60	80	100	12.4	G	VG	G	G	VP	VP	G	M	88
CDC Falcon *	369	103	102	102	102	-0.6	VG	F	G	G	VP	VP	VP	E	-15
McClintock	219	100	98	98	98	-0.2	VG	F	VG	G	G	VP	VP	L	+3
Moats	74	98	102	104	104	+0.2	G	G	VG	VG	G	P	VP	M	+1
Radiant	145	105	103	101	100	-0.3	VG	VG	VP	VP	P	VP	VP	L	-1
AC® Flourish	60	103	102	100	99	+0.3	VG	F	F	F	F	F	VP	E	-10

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2013 Alberta Seed Guide - CWRW Wheat Comparison

Variety	Overall Yield (% CDC Osprey)		Yield Test Category (% CDC Osprey)				Winter Survival	Relative Maturity	Protein	Height (cm)	Lodging Resistance	Disease Resistance				
	All Sites	Station years of testing	Low < 45 bu/ac	Med 45-75 bu/ac	High 75-105 bu/ac	Very High >105 bu/ac						Bunt	Stripe Rust	Leaf Rust	Stem Rust	FHB
CDC Osprey bu/ac	76		35	62	86	118										
CDC Osprey	100	(236)	100	100	100	100	VG	M	12.2	90	G	VP	VP	P	P	P
CDC Buteo	99	(117)	102	100	97	101	VG	M	+0.2	88	F	VP	VP	G	G	G
CDC Falcon *	102+	(177)	94	104+	102	103	F	E	-0.4	73	VG	VP	VP	G	G	VP
McClintock	96-	(78)	89	97	95	100	F	L	0.0	91	VG	VP	G	G	VG	VP
Moats	104	(21)	XX	107	104	XX	G	M	+0.4	89	G	P	G	VG	VG	VP
Radiant	103+	(171)	105	102	103+	100	VG	L	-0.1	87	VG	VP	P	VP	VP	VP
AC® Flourish	100	(56)	XX	102	98	XX	F	E	+0.5	78	VG	F	F	F	F	VP

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