

WINTER WHEAT

Variety	Overall Yield (% CDC OSPREY)	Overall Station Years of Testing	Yield Test Category ¹ (% CDC OSPREY)				Agronomic Characteristics										Disease Tolerance ³				
			Low < 45 (bu/ ac)	Medium 45-75 (bu/ac)	High 75-105 (bu/ac)	V. High > 105 (bu/ac)	Wint. Surv. ³	Mat. Rat. ⁴	Protein (%)	Ht. (cm)	Ldg. Res. ³	Shatter. Res. ³	Test Wt. (lb/ bu)	TSW (g)	Kernel Hard. & Clr. ⁵	Bunt	Stripe Rust	Leaf Rust	Stem Rust	FHB	
CANADA WESTERN RED WINTER (Yield and agronomic data only directly comparable to CDC Osprey)																					
CDC OSPREY (bu/ac)	76		35	62	86	118															
CDC OSPREY ²	100	(236)	100	100	100	100	VG	M	12.2	90	G	G	63	32	HR	VP	VP	P	P	P	
AAC Gateway ▲	102	(23)	XX	105	100	XX	F	M	+0.7	75	VG	G	63	34	HR	VP	G	F	G	F	
AC Bellatrix	102 +	(201)	110 +	101	100	101	F	L	+0.3	88	G	G	64	36	HR	F	VP	VP	VP	F	
AC Readymade †	96 -	(83)	99	96 -	95	97	P	VL	+1.7	90	VG	F	63	36	HR	P	XX	VP	VP	XX	
AC Tempest	98	(137)	100	97 -	100	98	P	VL	+1.4	89	VG	G	63	37	HR	P	G	VP	VP	F	
CDC Buteo	99	(117)	102	100	97	101	VG	M	+0.2	88	F	G	65	34	HR	VP	VP	G	G	G	
Emerson ▲	98	(41)	XX	100	97	XX	G	M	+0.4	83	VG	G	64	30	HR	VP	G	G	VG	VG	
Flourish ▲	100	(56)	XX	102	98	XX	F	E	+0.5	78	VG	G	63	35	HR	F	F	F	F	VP	
McClintock ☼ †	96 -	(78)	89	97	95	100	F	L	0.0	91	VG	G	64	32	HR	VP	G	G	VG	VP	
Moats ▲	104	(21)	XX	107	104	XX	G	M	+0.4	89	G	G	65	33	HR	P	G	VG	VG	VP	
Norstar †	95 -	(131)	103	96 -	92 -	88 -	VG	L	-0.1	108	VP	G	64	33	HR	VP	XX	VP	VP	G	
Radiant ☼	103 +	(171)	105	102	103 +	100	VG	L	-0.1	87	VG	G	63	36	HR	VP	P	VP	VP	VP	
CANADA WESTERN GENERAL PURPOSE (Yield and agronomic data only directly comparable to CDC Osprey)																					
Accipiter ☼	108 +	(42)	XX	108	108 +	105	G	M	-0.2	81	VG	G	64	30	HR	VP	XX	G	VG	VP	
Broadview ☼	104 +	(56)	XX	106	103	XX	G	E	-0.7	78	G	G	63	32	HR	VP	VP	VG	VG	VP	
CDC CLAIR †	103 +	(125)	103	103 +	104	105 +	VG	M	-0.4	88	F	G	63	34	HR	VP	XX	P	P	XX	
CDC Falcon	102 +	(177)	94	104 +	102	103	F	E	-0.4	73	VG	G	63	31	HR	VP	VP	G	G	VP	
CDC Harrier †	105 +	(141)	108	104 +	105 +	104	G	M		93	G	G	62	31	HR	VP	VP	P	G	P	
CDC Kestrel †	104 +	(108)	106	104	105 +	102	VG	M	-1.4	93	G	G	62	32	HR	VP	XX	P	P	XX	
CDC Ptarmigan	110 +	(84)	XX	110 +	109 +	111 +	G	M	-2.0	90	F	G	61	34	SW	VP	VP	P	P	F	
CDC Raptor †	101	(95)	99	102	102	98	G	M	-0.4	81	VG	G	63	30	HR	VP	XX	G	VG	XX	
Peregrine	108 +	(43)	XX	107 +	109 +	105	VG	M	-0.5	94	F	G	64	33	HR	VP	G	VG	VG	F	
Pintail ▲	109 +	(41)	XX	109	109 +	XX	VG	M	-1.5	85	G	G	61	30	HR	VP	G	P	P	VP	
Sunrise	110 +	(35)	XX	116	108 +	XX	G	M	-0.8	87	G	G	61	33	SR	VP	G	G	G	XX	

REMARKS: Winter wheat can be grown successfully in all areas of Alberta if seeded into standing stubble within the optimal seeding date period (generally before September 15) and if there is adequate snow-fall. Varieties with Poor winter survival are generally not suitable outside of southern Alberta. The provincial average maturity date for CDC OSPREY is August 7 (219 days after January 1). Radiant has resistance to the wheat curl mite, the vector that carries Wheat Streak Mosaic Virus. AC Bellatrix and Flourish are the only varieties with resistance to common bunt; other varieties should be treated with a systemic seed treatment to reduce the potential for plant infection. Winter wheat may escape Fusarium head blight infection if seeded before September 15. Fields in southern Alberta should be inspected in the fall for infestation by Russian wheat aphid, as it may reduce winter survival. Note that the varieties formerly designated as CWRW "Generic" will be moved to the Canada Western General Purpose class. For more information, please refer to the Variety Designation Lists at the CGC website (www.grainscanada.gc.ca). Limited quantities of Flourish, Emerson and Moats will be available in fall 2013. AAC Gateway will not be available in fall 2013.

☼ - Protected by Plant Breeders' Rights (PBR). ▲ - Applied for PBR protection. XX - insufficient data to describe. † - Flagged for removal. 1 Yield Test Categories are based on the site means for small plot trials. The defined range for each Yield Test Category is provided in bu/ac. The actual yields (bu/ac) for CDC OSPREY are reported in the Overall and Low, Medium, High, and Very High Yield Test Categories. 2 All yields are reported relative to CDC OSPREY. Varieties that are statistically higher (+) or lower (-) yielding than CDC OSPREY are indicated. No symbol after the yield figure indicates that there is no statistical difference. 3 Resistance / Tolerance Ratings: VP = Very Poor, P = Poor, F = Fair, G = Good, VG = Very Good. 4 Maturity Ratings: VE = Very Early, E = Early, M = Medium, L = Late, VL = Very Late. 5 Abbreviations for Kernel Hardness and Colour: HR = Hard Red, SW = Soft White, SR = Soft Red.