

CDC Buteo Canada Western Hard Red Winter Wheat

CDC Buteo is a semi-dwarf hard red winter wheat with moderate stem and leaf rust resistance and excellent grain quality. Because of its excellent grain quality, CDC Buteo is eligible for the Canadian Wheat Board “CWRW Select” Market Development Contract Program.

Strengths:

- Excellent grain quality similar to CDC Osprey
- 12.2 % protein in 1997-2000 coops, similar to CDC Raptor (12.1%) and higher than CDC Kestrel (10.8%)
- Moderate resistance to leaf and stem rust, (leaf rust rating similar to CDC Falcon and CDC Raptor)

- Similar to CDC Clair and CDC Osprey in height, lodging resistance and maturity
- Higher test weight and kernel weight than CDC Osprey

Weaknesses:

- Grain yield similar to CDC Osprey, 2-3% lower yield than CDC Clair, CDC Raptor and CDC Falcon

Breeder:

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1997- 2000 Central Hard Red Winter Wheat Cooperative Test Data Grain Yield as % of CDC Clair

Entry	Alberta Southern	Alberta Central	Saskatchewan Brown Soil	Saskatchewan Parkland	Saskatchewan Irrigation	Manitoba Southeast	Average All sites
CDC Clair	100	100	100	100	100	100	100
CDC Osprey	97	97	99	98	91	95	97
CDC Harrier	107	95	102	94	109	106	100
CDC Falcon	102	101	98	86	126	105	100
CDC Raptor	100	100	100	95	117	98	101
CDC Buteo	96	95	95	92	119	98	97

1997- 2000 Central Hard Red Winter Wheat Cooperative Test Data Agronomic Performance

Entry	Heading Date	Maturity Day of Yr.	Height (cm)	Lodging (0 = erect) (9= flat)	Grain Protein (%)
CDC Clair	172	213	90	2.4	11.8
CDC Osprey	171	212	91	1.8	11
CDC Harrier	173	214	95	1.7	11.0
CDC Falcon	170	210	75	0.7	12.4
CDC Raptor	172	214	82	0.9	12.1
CDC Buteo	171	213	88	2.5	12.2

Seed Manitoba 2006 - Winter Wheat

Variety	Long Term Average Yield % of CDC Clair	Days to Maturity +/- CDC Clair	Height +/- CDC Clair (Inches)	Resistance to:			
				Lodging	Stem Rust	Leaf Rust	FHB
CDC Clair	100	0	0	F	F	F	P
CDC Falcon	100	-3	-5	E	G	VG	VP
CDC Harrier	102	1	3	G	G	P	P
CDC Osprey	95	-1	0	VG	P	P	P
CDC Raptor	98	1	-2	E	VG	G	P
CDC Buteo	100	1	1	G	G	G	P

E=Excellent; VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very Poor; FHB=Fusarium Head Blight

2006 Saskatchewan Varieties of Grain Crops - Winter Wheat

Variety	Yield as % of CDC Clair			Resistance to:				
	Area 1 & 2	Area 3 & 4	Irrigation	Lodging	Winter Damage	Stem Rust	Leaf Rust	Bunt
CDC Kestrel	101	101	103	G	VG	P	P	P
CDC Clair	100	100	100	G	VG	P	P	P
CDC Osprey	100	99	93	G	VG	P	P	P
CDC Harrier	102	100	110	G	G	G	P	P
CDC Falcon	98	94	117	VG	F	VG	G	P
CDC Raptor	99	100	113	VG	VG	VG	G	P
CDC Buteo	97	98	110	G	VG	G	G	P

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

2006 Alberta Seed Guide - Winter Wheat

Variety	Yield as % of CDC Osprey						Prov. Avg. Yield	Comp Mat. (Days)	Protein	Ht. (cm)	Test Wt. (lb/bu)	Kern. Wt. (mg)	Winter Hardiness	Resistance to:				
	Irr.	Area 1	Area 2	Area 3	Area 4	Area 5&6								Ldg.	Shat.	Piebald	Bunt	FHB
CDC Kestrel	108	102	107	XX	105	XX	104	+1	-1.4	89	63	32	VG	F	G	P	VP	P
CDC Clair	100	101	112	XX	107	XX	104	+1	-0.4	85	63	34	VG	F	G	F	VP	P
CDC Osprey	100	100	100	100	100	100	100	0	0.0	86	63	32	VG	G	G	F	VP	P
CDC Harrier	118	105	112	XX	107	XX	109	+1	-1.3	90	62	31	VG	G	G	F	VP	P
CDC Falcon	107	101	102	XX	101	XX	100	-2	-0.3	72	63	31	F	VG	G	F	VP	VP
CDC Raptor	XX	101	109	XX	101	XX	102	0	-0.6	79	64	30	VG	VG	G	--	VP	P
CDC Buteo	XX	98	103	XX	99	XX	98	+1	0.0	85	65	34	VG	F	G	--	VP	P

Irr. =Irrigation; Prov. Avg.=Provincial Average; Ht.=Height; Wt.=Weight; Ldg.=Lodging; Shat.=Shattering; FHB=Fusarium Head Blight

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

Comp Mat=Comparative maturity Kern. Wt.=Kernel weight