

LENTIL

Market Class	Variety	Area:								Agronomic Characteristics:				Disease Tolerance: ⁶		
		Overall Station		1		2		5		TSW ² (g)	Plant Height (cm)	Maturity Rating ³	Cotyledon Colour ⁴	Seed Coat Colour ⁵	Ascochyta	Anthracnose
		Overall Yield	Years of Testing	Yield (%)	Site Years	Yield (%)	Site Years	Yield (%)	Site Years							
Varieties tested in the 2018 trials (Yield and agronomic data only directly comparable to CDC Maxim)																
	CDC Maxim (kg ha⁻¹)	2938		2859		2878		3933								
Small Red	CDC Maxim (CL) ¹	100	37	100	31	100	4	100	2	40	34	E/M	R	GR	G	G
Extra Small Red	CDC Roxy ▲	99	17	97	11	104	4	103	2	28	33	E/M	R	GR	G	G
Small Red	IBC-978 (CL) (A) ▲ NR	96	8	89	4	115	2	92	2	31	32	E/M	R	GR	G	G
	CDC Impulse (CL) ●	104	17	100	11	107	4	119	2	47	36	E/M	R	GR	G	G
	CDC Proclaim (CL) ●	103	14	102	8	109	4	99	2	40	35	E/M	R	GR	G	G
Small Green	CDC Kermit ●	103	8	92	4	127	2	103	2	31	32	E/M	Y	G	G	G
Large Green	CDC IBC-937 (CL) (A) ▲ NR	93	8	84	4	113	2	93	2	67	34	M/L	Y	G	G	VP
Previously tested varieties																
Extra Small Red	CDC Impala (CL)	93-	20	93-	20	XX	XX	XX	XX	31	35	E	R	GR	G	G
	CDC Imperial (CL)	82-	17	82-	17	XX	XX	XX	XX	30	35	E	R	GR	G	G
	CDC Rosie	97	19	102	17	76	2	XX	XX	30	35	E/M	R	GR	G	G
Small Red	CDC Dazil (CL)	94	25	93	23	98	2	XX	XX	34	35	E/M	R	GR	G	F
	CDC Imax (CL)	100	19	100	19	XX	XX	XX	XX	46	37	E/M	R	GR	G	F
	CDC Redberry	96	17	96	17	XX	XX	XX	XX	44	37	E	R	GR	G	G
	CDC Redcliff	110+	14	110+	14	XX	XX	XX	XX	39	36	E/M	R	GR	G	F
	CDC Scarlet	102	19	105	17	86	2	XX	XX	38	35	E/M	R	GR	G	F
Large Red	CDC KR-1	104	23	104	21	103	2	XX	XX	52	39	M	R	GR	G	G
Small Green	CDC Invincible (CL)	96	28	96	26	90	2	XX	XX	33	35	E	Y	G	G	G
Medium Green	CDC Imigreen (CL)	79-	14	79-	14	XX	XX	XX	XX	61	43	M	Y	G	G	VP
	CDC Impress (CL)	85-	14	85-	14	XX	XX	XX	XX	52	38	M	Y	G	G	P
Large Green	CDC Greenland	88-	14	88-	14	XX	XX	XX	XX	67	39	M/L	Y	G	G	VP
	CDC Greenstar	92	9	XX	XX	XX	XX	XX	XX	63	37	M/L	Y	G	G	F
	CDC Impower (CL)	81	23	81	21	83	2	XX	XX	67	41	M/L	Y	G	G	VP
	CDC Improve (CL)	84	23	84	21	83	2	XX	XX	71	38	M	Y	G	F	VP

Remarks: Weight, diameter and thickness of lentil seeds were dependent upon environmental conditions and agronomic factors. Four trials were grown in Zone 1: Bow Island, Brooks, Lethbridge, Medicine Hat; two trials in Zone 2: Oyen and Strathmore; and three trials in Zone 5: Stettler, Vegreville and Vermillion. ▲ = Applied for Plant Breeder's Rights protection (PBR). ● = Protected by PBR (UPOV 91). CL= Clearfield variety. NR = not registered with CFIA. A = First year entries (2018). XX = Insufficient data to describe.

¹Yields are reported relative to CDC Maxim (CL). CDC Maxim belongs to Small Red Market Class. ²Thousand Seed Weight. ³Maturity: E = Early, M = Medium, L = Late, VL = Very Late. ⁴Cotyledon Color: R = Red, Y = Yellow, G = Green; ⁵Seed Coat Color/Patterns: G = Green, GR = Grey, BR = Brown, FG = French Green, T = Tan, MRB = Marbled. ⁶Disease tolerance: VP = Very Poor, P = Poor, F = Fair, G = Good.