

Chickpea Variety Trial

WREC, Williston, ND 2016

Variety	Stand	Days to Flower	Days to Mature	Plant Height	Seed Size				1000 Seed Weight	Test Weight	Yield		
					<8mm	8-9mm	9-10mm	>10mm			2016*	2-Yr Avg	3-Yr Avg
					(%)	(%)	(%)	(%)			(lb/a)	(lb/a)	(lb/a)
Desi													
CDC Anna	92	52	87	17	100	0	0	0	194	62.9	1545	1829	1883
Large Kabuli													
CDC Frontier	96	51	89	17	84	16	0	0	324	62.3	1872	1983	2090
CDC Luna	95	49	88	16	63	33	4	0	342	61.7	1564	1721	1735
Sawyer	94	51	89	16	37	40	21	2	408	61.9	1392	1575	1635
Sierra	86	54	90	18	22	43	30	6	458	61.1	895	1211	1269
Small Kabuli													
B-90	91	52	89	19	99	1	0	0	232	63.0	1663	1701	1757
Mean	92.2	51.3	88.6	17.3	67.3	22.1	9.2	1.2	326.3	62.15	1488.4	-	-
CV (%)	2.3	2.8	0.5	8.0	6.7	13.3	27.1	74.5	3.8	1.0	13.5	-	-
LSD (5%)	3.1	2.1	0.7	2.1	6.1	5.3	3.8	1.1	18.9	NS	297.40	-	-
LSD (10%)	2.5	1.7	0.6	1.7	5.1	4.4	3.1	0.9	15.7	0.74	246.08	-	-

Location, WREC: Latitude 48° 8'; Longitude 103° 44'W; Elevation 2105 ft

Previous crop: Barley

Planting Date: 5/6/2016

Harvest Date: 8/18/2016

Harvested area: 49.2 ft²

Soil test (0-6"): P=20 ppm; K=252 ppm; pH=6.3; OM=2.5%

Soil type: Williams-Bowbells loam

(0-24"): NO3-N=39 lb/a

Applied fertilizer in lb/a: none; seed inoculated with peat-based inoculant at planting

Chemical Applications: Proline 480 SC at 5fl.oz/a (6/21/2016)

DAP¹= Days after planting

*Disease Issues: yield affected by Ascochyta infestation