

2018 Chickpea Variety Yield Trial at Minot

North Central Research Extension Center

Cooperators: Thomas Stefaniak and Hannah Worrall

Variety	Days to Flower	Days to Maturity	Canopy Height cm	Seed Size					1000 Seed Weight g	Seeds/ Pound #	Seed Yield bu/A
	DAP ¹	DAP ¹		>10 mm	9-10 mm	8-9 mm	7-8 mm	<7 mm			
Kabuli											
CDC Orion	50	95	34	28.0	46.8	20.5	3.8	1.3	459	988	44.4
CDC Luna	52	95	37	7.3	45.5	36.3	9.8	1.3	403	1137	41.4
CDC Palmer	51	92	35	11.3	53.3	29.8	5.3	1.3	429	1058	41.0
CDC Leader	51	93	31	6.0	45.3	39.8	6.8	2.0	397	1147	37.0
CDC Frontier	53	95	34	4.3	37.0	40.8	13.8	4.8	330	1393	35.0
Sawyer	56	47	39	9.8	44.8	35.5	6.8	3.5	400	1141	27.5
Nash	53	47	37	46.6	38.3	12.0	2.5	0.9	431	1177	25.1
Royal	57	23	42	42.0	34.3	14.0	4.8	4.8	474	978	22.6
Sierra	57	48	38	29.5	45.8	17.3	5.3	2.8	465	1000	18.1
Desi											
CDC Anna	53	91	33	0.0	0.3	2.8	37.5	59.5	203	2236	34.4
Trial Mean	54	73	37	21	38	24	10	6	403	1198	30.9
CV	3.8	45.7	11.1	34.9	17.0	23.6	40.6	71.0	15.7	16.9	25.2
LSD 5%	2	39	5	9	8	7	5	5	75	239	9.2
LSD 10%	2	31	4	7	6	5	4	4	58	185	7.1

¹ Days after planting

Planting date: 5/9/2018

Harvest Date: 9/5/2018

Previous Crop: Hard Red Spring Wheat

Seed Source	Meridian Seeds
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*Note: non-coded entries are part of the chickpea core grown out every year

Yield rankings (High to Low)	
1	CDC Orion
2	CDC Luna
3	CDC Palmer
4	CDC Leader
5	CDC Frontier
6	CDC Anna
7	18MS-001
8	18MS-002
9	Sawyer
10	Nash

11	EXP-MS0188
12	Royal
13	Sierra