

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Dryland Field Pea Variety Trial - NDSU

WREC, Williston, ND 2017

Variety	Days to Flower	Days to Mature	Canopy Height	Protein ²		1000 Seed Weight	Test Weight	Yield		
				2017	3-Yr Avg*			2017	2-Yr Avg*	3-Yr Avg*
	DAP ¹	DAP ¹	inch	----%----		g	lb/bu	(bu/a)	(bu/a)	(bu/a)
Green Cotyledon										
CDC Striker	50	77	14	21.9	22.9	172	63.9	19.2	29.4	32.2
Arcadia	51	78	17	22.8	23.6	173	63.3	22.5	30.9	32.0
Cruiser	51	78	17	21.5	23.4	171	62.7	18.0	27.9	28.1
Viper	49	78	20	23.8	-	212	63.2	18.3	26.2	-
AAC Comfort	57	84	19	25.2	-	218	60.7	12.5	-	-
Aragorn	49	76	16	22.3	-	175	63.2	20.8	-	-
CDC Greenwater	55	83	19	25.2	-	187	62.5	15.6	-	-
Ginny	51	78	12	20.9	-	175	63.5	19.2	-	-
Greenwood	50	77	16	18.0	-	170	64.2	20.1	-	-
LG Koda	54	79	17	21.5	-	198	63.8	21.8	-	-
Shamrock	56	83	18	25.1	-	190	62.7	11.8	-	-
Yellow Cotyledon										
Agassiz	50	77	17	22.3	23.1	190	62.4	20.8	32.8	34.1
Hyline	53	78	18	23.5	23.2	198	63.9	20.8	32.6	33.8
Durwood	51	78	21	23.9	23.8	197	62.5	20.4	31.8	32.8
DS Admiral	51	78	17	22.4	23.8	200	61.9	18.8	28.2	29.8
CDC Saffron	55	80	19	23.8	24.3	203	61.5	12.5	29.1	29.5
Korando	44	75	15	23.4	25.4	253	63.9	18.3	29.3	29.4
CDC Amarillo	55	81	20	25.4	24.3	199	62.5	13.1	28.4	29.3
Nette 2010	49	76	17	21.1	23.5	193	64.8	23.4	30.4	28.9
Bridger	49	76	14	23.1	24.5	184	63.6	14.5	26.7	28.0
AAC Carver	53	79	20	22.2	-	196	63.6	21.3	32.7	-
Salamanca	51	78	20	23.3	-	211	63.2	22.1	32.4	-
Navarro	44	76	15	23.3	-	229	63.4	23.0	30.1	-
Jetset	52	79	21	24.7	-	210	61.9	20.7	27.9	-
Spider	54	82	22	26.3	-	210	62.2	10.1	26.6	-
LG Amigo	50	78	18	24.1	-	192	61.9	24.5	-	-
EarlyStar	51	77	19	23.0	-	180	63.2	22.8	-	-
SW Midas	53	78	16	21.8	-	159	62.1	17.8	-	-
Mystique	53	79	19	27.5	-	199	61.8	17.5	-	-
CDC Inca	54	80	20	23.6	-	186	63.6	17.0	-	-
Marrowfat										
Orka	49	79	14	22.7	-	311	61.1	18.4	-	-
Mean	51.4	78.6	17.6	23.22	-	198.2	62.87	18.6	-	-
CV (%)	1.6	1.5	12.7	3.6	-	3.9	0.6	11.6	-	-

LSD (5%)	1.3	2.0	3.7	1.39	-	12.8	0.60	3.56	-	-
LSD (10%)	1.1	1.6	3.1	1.16	-	10.7	0.50	2.97	-	-

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

Previous crop: Durum

Planted: 4/27/2017

Harvested: 7/31/2017

Soil test (0-6"): P=24 ppm; K=266 ppm; pH=5.8; OM=2.3%

Soil type: Williams-Bowbells loam

(0-24"): NO₃-N=26 lb/a

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

Chemical Applications: Valor 3oz./a and Sonalan 8.5oz./a (preplant fall applied)

DAP¹= Days after planting

Protein² = Protein content adjusted to 0% moisture

*Average of years 2015, 2016, and 2017