

Field Pea Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Days to Flower (DAP*)	Days to Maturity (DAP*)	Canopy Height (in)	Lodging (0 - 9+)	Protein †		Test Weight (lb/bu)	Yield		
					2020 (%)	2-Yr Avg (%)		2020 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
YELLOW COTYLEDON										
Agassiz	53	90	28	5	29.6	27.7	63.0	63.3	58.3	58.9
DS Admiral	52	85	26	4	25.1	24.6	65.2	81.1	63.1	-
CDC Amarillo	57	91	31	3	27.3	-	63.9	67.8	-	-
ND Dawn	49	88	25	5	26.2	-	63.1	67.3	-	-
GREEN COTYLEDON										
CDC Striker	55	88	23	4	28.0	26.5	64.5	54.5	52.5	53.2
Arcadia	54	86	14	7	25.9	25.4	64.1	67.5	57.6	-
Aragorn	49	86	14	7	26.8	-	62.8	61.5	-	-
MEAN	54.1	87.6	24.6	4.5	27.17	26.08	64.13	66.85	57.91	56.07
C.V. (%)	1.9	3.2	18.6	14.5	3.97	-	0.91	12.36	-	-
LSD (5%)	1.5	4.2	6.4	1.1	1.59	-	0.86	12.16	-	-
LSD (10%)	1.2	3.5	5.3	0.9	1.31	-	0.71	10.04	-	-

* Days after planting † 0: no lodging - 9: plants lying flat on the ground † Protein content adjusted to 0% moisture

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W

Elevation: 1902 ft

Soil test (0-6 in.): P=24 ppm; K=158 ppm; pH=7.9; OM=2.9 %

Previous crop: Durum

(0-24 in.): NO3-N=29 lb/a

Planted: 5/6/2020

Yield goal: 50 bu/a

Harvested: 8/12/2020

Planting population: 400,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Fertilizer applied: seed inoculated

Plot size: 55 ft²

Herbicides applied: Prowl H2O (1.5pt/a) [5/8], Section Three (5.33oz/a) and Superb HC (1pt/100gal) [6/16]

Rainfall: 4.4 inches [5/6 - 8/12]

Fungicide applied: Proline 480SC (5oz/a) [7/2]

Irrigation: 9.3 in [5/6 - 8/12]