

Off-Station Field Pea Variety Trial

WREC, Golden Valley County, ND - 2016

Variety	Protein <sup>2</sup>		1000 Seed Weight g	Test Weight <sup>3</sup> lb/bu	Yield <sup>4</sup>		
	2016	3-Yr Avg			2016	2-Yr Avg	3-Yr Avg
	----%----				(bu/a)	(bu/a)	(bu/a)
<b>Green Cotyledon</b>							
Cruiser	28.9	25.7	185	58.8	34.5	35.2	30.1
CDC Striker	27.4	24.7	153	59.4	30.2	37.3	34.3
Arcadia	27.0	-	158	59.5	44.6	-	-
<b>Yellow Cotyledon</b>							
Mystique	27.8	25.5	197	58.7	43.9	35.7	32.5
DS Admiral	26.2	23.8	201	59.7	50.6	42.5	39.7
Agassiz	27.6	24.5	214	59.3	53.3	48.3	43.4
Spider	27.4	-	213	59.8	49.8	-	-
Mean	27.5	-	188.6	59.31	43.85	-	-
CV (%)	3.7	-	9.4	0.5	10.3	-	-
LSD (5%)	NS	-	31.7	0.54	8.12	-	-
LSD (10%)	NS	-	26.0	0.44	6.67	-	-

Location: Latitude 46° 50'N; Longitude 103° 59'W; Elevation 2890 ft

Planted: 5/17/2016

Harvested: 8/31/2016

Harvested area: 49.2 ft<sup>2</sup>

Previous crop: Spring Wheat

Soil type: Grail-Grassna complex

Soil test (0-6"): P=7 ppm; K=202 ppm; pH=7.9; OM=2.5%

(0-24"): NO<sub>3</sub>-N=35 lb/a

Applied fertilizer in lb/a: N=6.6; P<sub>2</sub>O<sub>5</sub>=22; K<sub>2</sub>O=0; S = 5.5

Chemical Applications: Roundup at 44fl.oz/a with Prowl H<sup>2</sup>O at 48fl.oz/a (preplant spring applied) (5/17/2016)

Protein<sup>2</sup> = Protein content adjusted to 0% moisture

Test Weight<sup>3</sup> = Test Weight content adjusted to 13.5% moisture

Yield<sup>4</sup> = Yield content adjusted to 13.5% moisture