

Off-Station Field Pea Variety Trial

WREC, Divide County, ND - 2016

Variety	Protein ²		1000 Seed Weight	Test Weight ³	Yield ⁴		
	2016	3-Yr Avg*			2016	2-Yr Avg*	3-Yr Avg*
	----%----		g	lb/bu	(bu/a)	(bu/a)	(bu/a)
Green Cotyledon Type							
Cruiser	18.6	23.5	147	59.1	39.4	40.2	35.2
CDC Striker	15.7	21.6	171	58.8	52.5	53.9	46.8
Arcadia	15.1	-	173	59.2	40.0	-	-
Yellow Cotyledon Type							
DS Admiral	14.6	21.1	191	60.9	44.0	47.1	41.9
Agassiz	17.7	22.6	193	59.1	52.6	52.2	43.5
Mystique	23.6	-	209	58.5	51.0	47.7	-
Spider	16.6	-	193	59.6	44.5	-	-
Mean	17.4	-	182.4	59.33	46.28	-	-
CV (%)	6.1	-	5.4	0.6	9.2	-	-
LSD (5%)	1.86	-	17.0	0.58	7.11	-	-
LSD (10%)	1.53	-	14.0	0.48	5.84	-	-

Location: Latitude 48° 48'N; Longitude 103° 18'W; Elevation 2044 ft

Planted: 4/28/2016

Harvested: 8/29/2016

Harvested area: 49.2 ft²

Previous crop: Soybean

Soil type: Farnuf-Alkabo

Soil test (0-6"): P=19.5 ppm; K=380 ppm; pH=7.1; OM=4.2%

(0-24"): NO₃-N=25.5 lb/a

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

Chemical Applications: Raptor at 4fl.oz/a with Basagran at 6fl.oz/a (6/6/2016)

Protein² = Protein content adjusted to 0% moisture

Test Weight³ = Test Weight content adjusted to 13.5% moisture

Yield⁴ = Yield content adjusted to 13.5% moisture

*Average of years 2012,2014, and 2016