

Off-Station Field Pea Variety Trial

WREC, McKenzie County, ND - 2016

Variety	Protein ²		1000 Seed Weight g	Test Weight ³ lb/bu	Yield ⁴		
	2016 ----%----	3-Yr Avg			2016*	2-Yr Avg	3-Yr Avg
					(bu/a)	(bu/a)	(bu/a)
Green Cotyledon							
Cruiser	25.4	27.1	199	57.5	11.5	19.4	26.2
CDC Striker	24.9	25.8	206	58.1	12.2	24.6	29.8
Yellow Cotyledon							
Agassiz	24.8	26.4	235	58.1	23.9	29.9	31.3
DS Admiral	24.8	25.7	238	58.1	16.6	23.8	33.7
Mystique	26.2	27.2	225	56.7	27.7	30.4	34.6
Spider	26.1	-	247	58.1	26.2	-	-
Mean	25.4	-	224.9	57.78	19.69	-	-
CV (%)	2.2	-	4.6	0.7	24.4	-	-
LSD (5%)	1.02	-	18.6	0.69	8.05	-	-
LSD (10%)	0.84	-	15.3	0.56	6.59	-	-

Location: Latitude 47° 47'N; Longitude 103° 25'W; Elevation 2250 ft

Planted: 5/9/2016

Harvested: 8/23/2016

Harvested area: 49.2 ft²

Previous crop: Lentil

Soil type: Belfield-Grail

Soil test (0-6"): P=7 ppm; K=235 ppm; pH=7.1; OM=4.2%
(0-24"): NO₃-N=4 lb/a

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

Chemical Applications: Clethodim at 8fl.oz/a with Basagran at 16fl.oz/a (6/24/2016)

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

* Disease Issues: Yield likely affected by severe powdery mildew infestation