

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

McKenzie County Field Pea VT

WREC, McKenzie County, ND - 2017

Variety	Protein ¹		1000 Seed Weight	Test Weight	Yield		
	2017	2-Yr Avg			2017	2-Yr Avg	3-Yr Avg
	-----%-----				(bu/a)	(bu/a)	(bu/a)
Green Cotyledon							
Hampton	28.1	27.7	222	60.7	29.3	20.4	-
Arcadia	26.0	-	179	60.3	24.5	-	-
Yellow Cotyledon							
DS Admiral	26.5	25.7	238	59.5	31.5	24.0	26.3
Agassiz	28.1	26.4	195	59.5	26.7	25.3	28.8
Nette	27.0	26.2	238	62.6	27.2	28.3	-
EarlyStar	25.1	-	208	60.4	31.8	-	-
Mean	26.8	-	213.4	60.52	28.50	-	-
CV (%)	3.9	-	4.6	0.6	22.1	-	-
LSD (5%)	NS	-	17.7	0.63	NS	-	-
LSD (10%)	1.54	-	14.4	0.51	NS	-	-

Location: Arnegard, ND; Latitude 47° 48'; Longitude 103° 25'W

Planted: 5/12/2017

Harvested: 8/23/2017

Previous crop: Durum

Soil type: Dooley-Zahl complex

Soil test (0-6"): P=7 ppm; K=216 ppm, OM=2.6; Ph=7.7

(0-24"): N = 20 lb/a

Applied fertilizer in lb/a: 6.05 N : 22 P : 0 K Broadcasted ; seed inoculated with peat-based inoculant at planting

Chemical Applications: Spartan Charge at 3 oz./a and RT3 at 12 oz./a with AMS and NIS (Preplant) on 5/11/2017

Protein¹ = Protein content adjusted to 0% moisture

Drought stress is suspected factor effecting lack of yield significance