

## Field Pea Variety Trial

WREC, Williston, ND 2016

Variety	Days to Flower	Days to Mature	Vine Length	Canopy Height	Height Index	Lodging	Protein <sup>2</sup>		1000 Seed Weight	Test Weight <sup>3</sup>	Yield <sup>4</sup>		
							2016	3-Yr Avg*			2016	2-Yr Avg	3-Yr Avg
							----%----				(bu/a)	(bu/a)	(bu/a)
	DAP <sup>1</sup>	DAP <sup>1</sup>	inch	inch	%			g	lb/bu				
<b>Green Cotyledon</b>													
Cruiser	59	90	20	14	74	3	22.1	24.8	198	61.1	37.8	33.2	37.2
LN1123	60	93	21	17	80	3	21.5	23.4	244	62.9	36.8	35.7	39.3
CDC Striker	58	91	17	14	83	3	22.4	24.3	226	61.3	39.6	38.8	40.8
Arcadia	59	91	16	12	71	4	22.8	24.8	228	61.5	39.4	36.7	41.3
CDC Patrick	60	92	20	16	79	2	20.7	-	190	62.2	39.6	-	-
CDC Raezer	61	93	21	17	83	2	22.0	-	235	60.7	33.0	-	-
K2	60	93	18	16	88	2	22.4	-	230	61.7	38.8	-	-
Viper	60	93	21	17	82	3	24.0	-	257	60.9	34.1	-	-
<b>Yellow Cotyledon</b>													
Nette 2010	59	94	20	17	83	2	22.0	24.6	257	62.9	37.5	31.6	38.2
Bridger	62	92	18	16	88	2	23.1	25.7	226	62.5	38.8	34.7	38.3
Abarth	60	92	20	17	85	1	22.6	24.9	257	60.7	40.4	34.6	38.6
Korando	60	94	21	17	81	4	24.3	26.8	294	62.2	40.3	34.9	39.2
DS Admiral	60	90	22	17	77	4	22.6	25	254	62.3	37.7	35.3	40.6
Durwood	59	93	22	19	84	1	21.5	24.1	265	62.2	43.1	39.0	41.4
Hyline	62	92	21	16	76	1	20.4	23.9	252	62.6	44.5	40.4	42.1
Agassiz	60	94	20	17	84	1	20.8	24.3	253	62.0	44.7	40.7	44.1
CDC Amarillo	60	93	22	19	87	0	20.8	-	261	62.9	43.8	37.3	-
CDC Saffron	60	92	20	17	88	1	22.1	-	270	62.4	45.8	38.0	-
AAC Carver	60	91	21	17	83	2	20.0	-	251	62.8	44.1	-	-
AC Earlstar	59	91	23	17	75	3	21.3	-	232	62.3	45.6	-	-
Jetset	60	92	22	16	77	4	24.3	-	244	61.0	35.1	-	-
Majestic	61	92	23	20	85	1	23.2	-	266	61.2	38.8	-	-
Navarro	58	94	20	16	79	3	21.9	-	291	62.6	37.2	-	-
PUSA 0614	61	93	22	18	80	3	26.0	-	267	61.0	38.6	-	-
Salamanca	61	92	22	18	81	4	22.5	-	261	62.0	42.7	-	-
Spider	60	95	24	20	85	1	22.5	-	259	63.2	43.1	-	-
Mean	59.8	92.3	20.7	16.8	81.4	2.3	22.29	-	248.7	61.98	40.0	-	-
CV (%)	2.3	1.0	7.8	8.5	9.7	45.8	2.8	-	3.4	0.8	8.7	-	-
LSD (5%)	1.9	1.3	2.2	2.0	11.0	1.6	0.89	-	11.9	0.68	4.87	-	-
LSD (10%)	1.6	1.1	1.9	1.7	9.2	1.3	0.74	-	10.0	0.57	4.07	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft

Previous crop: Barley

Planted: 4/22/2016

Harvested: 8/5/2016

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

Soil test (0-6"): P=20 ppm; K=252 ppm; pH=6.3; OM=2.5%

Soil type: Williams-Bowbells loam

(0-24"): NO<sub>3</sub>-N=39 lb/a

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

Chemical Applications: Spartan Charge with RT3 at 4fl.oz/a (preplant spring applied) (4/13/2016), Raptor at 4fl.oz/a with Basagran at 6fl.oz/A (6/1/2016), and Gramoxone SL at 1 qt/A (7/29/2016)

DAP<sup>1</sup> = Days after plantingProtein<sup>2</sup> = Protein content adjusted to 0% moistureTest Weight<sup>3</sup> = Test Weight content adjusted to 13.5% moistureYield<sup>4</sup> = Yield content adjusted to 13.5% moisture