

Dryland Field Pea Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Flowering Date (DAP)	Maturity Date (DAP)	Height (in.)	Protein (%)	1000 Seed Weight (g)	Test Weight (lb/bu)	Yield (bu/a)	2-YR Avg (bu/a)	3-YR Avg (bu/a)
<u>Yellow Cotyledon Type</u>									
AAC Carver	57	93	24	20.9	260.3	65.1	67.6	49.1	39.8
Agassiz	57	93	23	21.8	267.2	64.9	62.3	47.9	38.9
Jetset	58	95	23	24.5	260.9	65.4	62.4	45.4	37.2
CDC Inca	60	94	27	22.5	239.5	65.3	65.9	46.8	36.9
Hyline	58	94	23	22.7	267.4	65.4	62.5	44.9	36.8
CDC Saffron	59	94	22	21.9	266.4	65.5	60.7	48.5	36.5
Salamanca	57	92	25	23.2	266.0	64.8	58.0	43.6	36.4
Durwood	57	96	28	22.9	258.9	65.2	61.5	44.0	36.2
Korando	54	95	23	24.7	287.1	65.4	57.1	44.7	35.9
DS Admiral	58	94	22	21.9	247.0	65.3	54.6	42.8	34.8
SW Midas	59	92	21	20.5	219.8	65.1	53.4	43.1	34.6
Spider	59	96	26	23.0	253.2	65.2	60.6	46.6	34.4
LG Amigo	57	94	21	24.5	240.4	64.7	54.3	39.0	34.1
CDC Amarillo	60	95	26	22.0	249.0	65.3	59.3	43.0	33.0
AAC Chrome	59	95	23	21.5	273.8	65.8	75.0	54.5	-
AAC Profit	61	95	26	22.9	257.2	65.1	66.1	50.2	-
Bridger	55	94	21	23.4	243.8	65.7	64.2	49.4	-
LG Sunrise	55	94	28	20.3	247.0	66.3	57.5	44.3	-
LGN4915	55	94	23	26.7	235.4	65.2	56.6	44.2	-
Navarro	53	93	21	22.6	270.2	65.3	55.8	44.0	-
LGN4909	54	92	20	22.6	228.8	64.9	55.2	41.4	-
LGN4913	56	92	22	23.5	259.8	65.8	53.2	40.7	-
AC Earlystar	57	93	24	20.2	230.3	65.3	64.6	-	-
CDC Spectrum	59	96	25	23.7	263.8	64.7	63.9	-	-
CDC Treasure	56	93	26	21.1	223.8	65.9	61.9	-	-
DL Apollo	58	92	20	22.8	233.9	65.6	60.0	-	-
Hampton	60	94	20	25.5	244.2	64.9	55.8	-	-
N13022-7	54	94	22	23.4	276.7	65.8	62.0	-	-
N13029-10	54	94	23	21.3	275.2	65.8	60.3	-	-
N13057-4	54	92	21	23.4	239.5	65.1	50.1	-	-
N13057-5	58	95	27	25.0	254.3	65.0	58.7	-	-
N13068-1	57	93	24	22.4	287.3	65.0	64.8	-	-
NDP121587	58	94	23	20.7	243.8	65.1	55.4	-	-
Nette 2010	54	93	24	20.2	239.7	66.3	57.4	-	-
PSTSP27	54	91	22	23.7	275.5	65.4	56.9	-	-
PSTSP34	58	92	27	22.5	219.3	65.5	59.5	-	-
PSTSPS32	59	93	25	22.5	287.1	65.9	68.3	-	-
<u>Green Cotyledon Type</u>									
Arcadia	57	95	21	20.6	219.7	65.3	61.4	46.7	38.6
CDC Striker	57	94	19	20.3	226.8	65.2	64.3	47.8	38.2
AAC Comfort	62	96	23	23.6	270.6	65.2	66.5	44.9	34.1
CDC Greenwater	60	96	27	21.7	252.3	65.3	56.8	42.0	33.2
Viper	56	93	23	22.5	235.8	64.5	53.5	40.3	33.0
Shamrock	60	93	22	22.3	258.1	65.4	62.7	43.0	32.6
Cruiser	56	92	21	21.6	209.9	64.9	48.2	36.5	30.3
Banner	54	91	20	17.6	210.5	65.5	54.6	40.3	-
Empire	58	95	30	22.4	234.1	66.0	55.9	-	-
LN1131	55	90	19	23.3	262.0	64.4	50.4	-	-
N13073-17	59	93	24	23.0	288.1	64.7	59.9	-	-
N13073-19	54	94	23	23.6	281.2	64.9	55.8	-	-
12CP3032	59	94	22	21.2	308.6	65.2	57.4	-	-
Mean	57	93	23	22.4	252.6	65.3	59.4	-	-
CV %	2	1	12	3.6	4.0	0.6	8.3	-	-
LSD 0.05	1	2	4	1.1	13.9	0.6	6.9	-	-
LSD 0.1	1	2	3	0.9	11.7	0.5	5.8	-	-

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

Previous crop: German Foxtail Millet

Planted: 4/26/2019

Harvested: 08/01/2019

Soil test to 6" in ppm: P=26 ppm; K=301 ppm; OM=1.8%; pH= 5.9

Soil type: Williams-Bowels loam

Soil test to 24" in lb/a: N=106 lbs/a

Applied fertilizers in lb/a: none

Herbicide Applications: Valor @ 3 oz/a with LV6 @ 1pt/a (10/22/18) ; Secure EC @ 12 oz/a (6/24/2019)