

Dryland Field Pea Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Brand	Flowering Date (DAP)	Maturity Date (DAP)	Height (in.)	Protein (%)	1000 Seed Weight (g)	Test Weight (bu/lb)	Yield (bu/a)	2-YR Avg (bu/a)	3-YR Avg (bu/a)
<b>Yellow Cotyledon Type</b>										
AAC Carver	Meridian Seeds	57	93	24	20.9	260.3	65.1	67.6	49.1	39.8
Agassiz	Meridian Seeds	57	93	23	21.8	267.2	64.9	62.3	47.9	38.9
Jetset	Meridian Seeds	58	95	23	24.5	260.9	65.4	62.4	45.4	37.2
CDC Inca	Meridian Seeds	60	94	27	22.5	239.5	65.3	65.9	46.8	36.9
Hyline	Valesco Genetics	58	94	23	22.7	267.4	65.4	62.5	44.9	36.8
CDC Saffron	Meridian Seeds	59	94	22	21.9	266.4	65.5	60.7	48.5	36.5
Salamanca	Valesco Genetics	57	92	25	23.2	266.0	64.8	58.0	43.6	36.4
Durwood	Pulse USA	57	96	28	22.9	258.9	65.2	61.5	44.0	36.2
Korando	Pulse USA	54	95	23	24.7	287.1	65.4	57.1	44.7	35.9
DS Admiral	Pulse USA	58	94	22	21.9	247.0	65.3	54.6	42.8	34.8
SW Midas	Pulse USA	59	92	21	20.5	219.8	65.1	53.4	43.1	34.6
Spider	Valesco Genetics	59	96	26	23.0	253.2	65.2	60.6	46.6	34.4
LG Amigo	Pulse USA	57	94	21	24.5	240.4	64.7	54.3	39.0	34.1
CDC Amarillo	Meridian Seeds	60	95	26	22.0	249.0	65.3	59.3	43.0	33.0
AAC Chrome	Valesco Genetics	59	95	23	21.5	273.8	65.8	75.0	54.5	-
AAC Profit	Birdsall Grain & Seed	61	95	26	22.9	257.2	65.1	66.1	50.2	-
Bridger	Valesco Genetics	55	94	21	23.4	243.8	65.7	64.2	49.4	-
LG Sunrise	Pulse USA	55	94	28	20.3	247.0	66.3	57.5	44.3	-
LGN4915	Limagrain	55	94	23	26.7	235.4	65.2	56.6	44.2	-
Navarro	Valesco Genetics	53	93	21	22.6	270.2	65.3	55.8	44.0	-
LGN4909	Limagrain	54	92	20	22.6	228.8	64.9	55.2	41.4	-
LGN4913	Limagrain	56	92	22	23.5	259.8	65.8	53.2	40.7	-
AC Earlystar	Meridian Seeds	57	93	24	20.2	230.3	65.3	64.6	-	-
CDC Spectrum	Meridian Seeds	59	96	25	23.7	263.8	64.7	63.9	-	-
CDC Treasure	Birdsall Grain & Seed	56	93	26	21.1	223.8	65.9	61.9	-	-
DL Apollo	Pulse USA	58	92	20	22.8	233.9	65.6	60.0	-	-
Hampton	NDCIA	60	94	20	25.5	244.2	64.9	55.8	-	-
N13022-7	Limagrain	54	94	22	23.4	276.7	65.8	62.0	-	-
N13029-10	Limagrain	54	94	23	21.3	275.2	65.8	60.3	-	-
N13057-4	Limagrain	54	92	21	23.4	239.5	65.1	50.1	-	-
N13057-5	Limagrain	58	95	27	25.0	254.3	65.0	58.7	-	-
N13068-1	Limagrain	57	93	24	22.4	287.3	65.0	64.8	-	-
NDP121587	NDSU	58	94	23	20.7	243.8	65.1	55.4	-	-
Nette 2010	Pulse USA	54	93	24	20.2	239.7	66.3	57.4	-	-
PSTSP27	Photosyntech	54	91	22	23.7	275.5	65.4	56.9	-	-
PSTSP34	Photosyntech	58	92	27	22.5	219.3	65.5	59.5	-	-
PSTSP32	Photosyntech	59	93	25	22.5	287.1	65.9	68.3	-	-
<b>Green Cotyledon Type</b>										
Arcadia	Pulse USA	57	95	21	20.6	219.7	65.3	61.4	46.7	38.6
CDC Striker	Nodricks Norsask Seeds	57	94	19	20.3	226.8	65.2	64.3	47.8	38.2
AAC Comfort	Meridian Seeds	62	96	23	23.6	270.6	65.2	66.5	44.9	34.1
CDC Greenwater	Meridian Seeds	60	96	27	21.7	252.3	65.3	56.8	42.0	33.2
Viper	Pulse USA	56	93	23	22.5	235.8	64.5	53.5	40.3	33.0
Shamrock	Valesco Genetics	60	93	22	22.3	258.1	65.4	62.7	43.0	32.6
Cruiser	Pulse USA	56	92	21	21.6	209.9	64.9	48.2	36.5	30.3
Banner	Pulse USA	54	91	20	17.6	210.5	65.5	54.6	40.3	-
Empire	Valesco Genetics	58	95	30	22.4	234.1	66.0	55.9	-	-
LN1131	Limagrain	55	90	19	23.3	262.0	64.4	50.4	-	-
N13073-17	Limagrain	59	93	24	23.0	288.1	64.7	59.9	-	-
N13073-19	Limagrain	54	94	23	23.6	281.2	64.9	55.8	-	-
12CP3032	Limagrain	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)