

Field Pea Dryland Variety Trial - NDSU

WREC, Williston, ND 2020

Variety	Stand (%)	Days to Flowering (DAP)	Days to Maturity (DAP)	Height (in)	Protein (%)	1000 Kernel Weight (g)	Test Weight (lb/bu)	2020 Yield (bu/a)	2-YR Avg (bu/a)	3-YR Avg (bu/a)
<u>Yellow Cotyledon Type</u>										
AAC Chrome	86	55	85	15	24.1	291.0	64.4	26.9	50.9	45.3
CDC Saffron	94	54	81	15	25.0	253.3	64.6	30.9	45.8	42.7
AAC Carver	97	53	82	17	24.0	257.3	64.4	28.4	48.0	42.2
AAC Profit	93	53	82	16	25.0	267.5	64.3	22.9	44.5	41.1
Agassiz	90	52	83	16	25.4	278.1	64.7	26.0	44.1	40.6
CDC Inca	96	54	83	18	25.7	253.5	64.5	26.8	46.3	40.1
Jetset	97	50	81	17	26.5	247.3	64.3	26.1	44.2	39.0
LGPN 4915	95	50	82	18	29.8	244.2	64.6	27.9	42.3	38.7
CDC Amarillo	95	56	84	18	25.3	264.4	64.4	28.3	43.8	38.1
Hyline	91	54	82	18	25.6	282.9	64.8	24.1	43.3	38.0
Durwood	92	52	83	18	27.0	261.7	64.2	22.2	41.9	36.8
LG Sunrise	83	51	82	17	26.0	264.4	64.8	20.9	39.2	36.5
Salamanca	90	52	83	18	29.4	281.3	64.0	22.2	40.1	36.5
DS Admiral	91	50	82	15	25.8	266.6	65.1	23.7	39.1	36.4
Korando	88	49	85	14	31.3	287.4	63.7	19.2	38.2	36.2
ND Dawn	91	51	81	17	24.9	262.3	63.9	17.8	36.6	-
Kite (PS07100925)	91	50	80	13	26.3	254.2	64.2	17.1	36.7	-
PSTSP27	89	50	82	16	31.5	293.8	64.4	19.1	38.0	-
Peregrine	89	48	78	13	26.1	257.0	64.5	21.4	39.3	-
PS16100102	83	52	83	14	24.6	246.7	65.4	18.6	40.3	-
DL Apollo	88	52	83	19	29.1	246.8	64.7	22.4	41.2	-
N13029-10	90	50	81	19	26.7	293.9	64.1	23.0	41.7	-
PS1710NZ0016	89	52	82	15	26.5	275.0	64.8	19.5	43.0	-
N13068-1	96	51	82	18	26.7	313.2	63.8	23.7	44.3	-
CDC Spectrum	93	54	86	17	26.8	272.6	64.2	25.8	44.9	-
PS17100022	97	52	81	17	24.6	266.3	65.4	22.3	46.0	-
CDC Dakota	89	59	85	19	29.0	239.2	64.9	28.5	-	-
MS-20YP4	92	56	85	16	25.2	280.4	64.2	28.5	-	-
AAC Asher	97	52	82	13	25.9	290.6	64.1	26.9	-	-
MS-19YP3	94	51	82	16	26.1	248.1	65.8	26.5	-	-
PSTSP43	95	53	84	17	26.2	294.9	64.2	24.7	-	-
PSTSP41	93	50	81	17	28.1	279.7	65.1	24.5	-	-
PSTSP39	97	54	83	19	27.5	263.5	64.3	22.2	-	-
PSTSP44	91	52	81	16	22.8	234.2	65.3	22.1	-	-
Orchestra	94	50	86	17	31.2	281.8	63.7	20.2	-	-
Nette 2010	91	50	83	17	25.8	273.7	65.3	20.0	-	-
LG Equator	93	50	86	15	29.5	239.1	63.8	18.2	-	-
Cronos	94	48	83	16	31.5	268.6	62.2	13.4	-	-
<u>Green Cotyledon Type</u>										
Arcadia	93	51	82	14	25.1	227.1	65.0	25.2	43.3	39.5
CDC Striker	88	54	85	18	29.5	263.0	64.6	22.9	43.6	39.5
AAC Comfort	95	59	88	15	25.0	319.3	62.9	26.6	46.6	38.8
CDC Greenwater	93	54	85	16	25.3	266.0	64.0	27.2	42.0	37.1
Shamrock	96	54	81	16	25.0	267.3	64.5	18.4	40.5	34.8
Viper	85	50	82	17	29.4	261.3	63.7	18.5	36.0	33.0
PSTSP38	97	49	82	17	26.7	276.9	64.4	23.1	42.2	-
Empire	94	55	83	21	26.5	262.3	65.2	24.5	40.2	-
Hampton	93	54	86	17	29.4	263.7	63.8	22.6	39.2	-
N13073-17	88	53	85	15	28.4	301.9	63.5	18.2	39.0	-
NDP100144G	93	57	87	20	24.1	235.3	64.6	27.8	-	-
PSTSP42	94	54	83	16	24.0	265.4	65.1	27.3	-	-
MS-20GP5	93	54	83	18	25.3	268.5	64.2	25.3	-	-
Daytona	95	53	83	17	28.9	288.3	64.1	21.2	-	-
Greenwood	89	50	77	15	25.2	217.3	64.5	16.1	-	-
Aragorn	89	50	76	15	27.3	228.8	62.6	15.7	-	-
<u>Maple Cotyledon Type</u>										
PSTSP40	95	53	90	17	26.9	254.3	64.8	28.4	-	-
Mean	92	52	83	17	26.7	266.2	64.4	23.1	-	-
CV %	5.0	2.1	3.6	12.3	2.5	3.5	0.7	16.2	-	-
LSD 0.05	6.4	1.5	4.1	2.8	0.9	13.0	0.6	5.2	-	-
LSD 0.10	5.3	1.3	3.5	2.4	0.8	10.9	0.5	4.4	-	-

Location of the WREC: Latitude 48 8'; Longitude 103 44'W; Elevation 2105 ft

Previous Crop: wheat

Planting Date: 4/27/2020

Harvest Date: 7/31/2020

Soil test to 6" in ppm: P = 22; K = 264; OM = 1.9%; pH = 5.6

Soil type: Williams-Bowbells loam

Soil test to 24" in lb/a: N= 10

Applied fertilizers in lb/a: none

Herbicide Application: Valor @ 3oz/a (10/21/19) Clethodim @ 8 oz/a (6/15/2020); Assure II @ 8 oz/a (7/6/2020)