

**NDSU Langdon Research Extension Center
2020 Variety Trial**

Field Pea - 2020

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Variety	Brand	Days to 1st Flower	Canopy			1000 Seeds/ KWT	Seeds/ pound	Test Weight	Protein %	Grain Yield				
			Mature Days	Ht at Harvest in	Harvest Ease ¹ 0-9					gms	lb/bu	2018	2019	2020
Yellow Cotyledon														
DS Admiral	Pulse USA	45.7	78.7	17.0	5.7	220	2063	63.2	23.9	84.4	61.2	73.0	67.1	72.9
Agassiz	Meridian Seeds	47.4	87.4	13.9	6.2	232	1957	61.9	25.5	92.3	64.3	76.3	70.3	77.6
CDC Amarillo	Meridian Seeds	49.7	89.2	21.7	3.2	213	2133	62.5	25.0	88.1	68.1	70.4	69.3	75.5
Durwood	Pulse USA	47.4	87.9	29.0	1.3	248	1838	63.7	25.3	91.3	60.6	75.6	68.1	75.8
ND Dawn	NDSU	47.0	77.9	11.3	8.5	207	2187	62.5	24.2	--	--	59.7	--	--
AAC Profit	Birdsall Grain & Seed	48.4	89.7	20.5	5.3	205	2203	62.9	25.7	99.9	69.5	74.5	72.0	81.3
Orchestra	Legume Logic	47.0	83.8	12.8	6.6	292	1554	62.8	27.2	--	--	72.4	--	--
AAC Asher	Legume Logic	47.7	80.2	9.7	7.9	228	1992	62.2	25.5	--	77.1	64.2	70.7	--
CDC Dakota	Legume Logic	50.0	88.0	12.3	7.3	163	2785	62.6	29.5	--	63.6	56.7	60.2	--
093-7410	ProGene	47.0	84.3	14.4	7.4	188	2411	62.3	24.4	--	--	53.9	--	--
133-6243	ProGene	43.3	78.1	14.9	5.9	270	1682	62.1	25.0	--	--	63.0	--	--
143-6230	ProGene	46.7	84.0	11.4	8.4	166	2738	62.0	26.6	--	--	45.6	--	--
143-6220	ProGene	48.0	86.1	11.4	8.6	180	2528	62.3	26.2	--	--	42.8	--	--
153-7409	ProGene	44.0	76.3	8.8	8.4	207	2206	61.3	25.3	--	--	60.7	--	--
AAC Chrome	Valesco	49.0	88.5	12.7	7.3	233	1955	62.5	24.0	--	76.8	76.7	76.8	--
Cronos	Valesco	43.4	76.9	15.8	6.4	248	1836	62.0	26.8	--	--	58.2	--	--
Hyline	Valesco	47.0	85.7	18.0	5.6	245	1867	62.6	25.3	94.2	68.7	62.1	65.4	75.0
Salamanca	Valesco	47.7	85.0	24.9	2.9	278	1639	62.9	27.5	90.2	61.2	74.5	67.9	75.3
DL Apollo	Pulse USA	47.3	80.0	21.7	3.7	223	2062	63.0	25.8	--	64.0	59.6	61.8	--
Korando	Pulse USA	42.3	80.8	17.6	5.9	249	1865	61.9	27.5	--	61.5	53.4	57.5	--
Nette 2010	Pulse USA	45.3	78.7	17.0	6.1	207	2213	63.4	23.9	90.2	64.8	70.7	67.8	75.2
LGPN 4915	Pulse USA	45.7	82.1	21.1	4.9	209	2190	62.6	28.6	--	--	61.1	--	--
AAC Carver	Meridian Seeds	48.2	81.8	20.0	5.3	211	2154	62.7	23.7	94.5	74.0	68.2	71.1	78.9
CDC Saffron	Meridian Seeds	47.9	84.3	13.0	7.7	214	2335	63.1	25.4	86.5	71.8	80.9	76.4	79.7
CDC Inca	Meridian Seeds	48.7	87.3	22.8	2.8	213	2127	63.0	25.4	96.6	70.6	74.4	72.5	80.5

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Variety	Brand	Days to 1st Flower	Canopy		Harvest Ease ¹	1000 KWT	Seeds/ pound	Test Weight	Protein %	Grain Yield				
			Mature Days	Ht at Harvest in						2018	2019	2020	2-yr Avg.	3-yr Avg.
Yellow Cotyledon														
CDC Spectrum	Meridian Seeds	48.4	89.0	19.8	5.5	215	2108	61.9	26.1	--	69.6	55.9	62.8	--
Jetset	Meridian Seeds	46.1	77.2	15.2	6.6	220	2060	61.9	25.6	91.9	67.2	65.5	66.4	74.9
LG Equator	Meridian Seeds	45.3	84.5	23.6	3.7	198	2304	63.0	26.6	--	--	64.3	--	--
Majestic	JB Farms	47.4	86.3	28.5	1.6	229	1993	62.7	26.0	--	67.4	58.8	63.1	--
LG Sunrise	Pulse USA	44.5	89.9	23.4	2.3	248	1826	63.1	24.4	83.9	63.7	72.4	68.1	73.3
Mystique	Pulse USA	47.8	87.0	22.5	2.9	255	1782	62.6	24.2	94.7	65.4	71.5	68.5	77.2
MS-19YP3	Meridian Seeds	47.1	82.0	15.9	6.8	221	2068	63.1	25.1	--	--	69.7	--	--
MS-20YP4	Meridian Seeds	49.0	90.5	18.6	4.8	212	2159	62.6	26.8	--	--	70.8	--	--
Green Cotyledon														
CDC Striker	Nodricks Norsask Seed	47.9	82.5	13.1	5.4	213	2132	63.0	26.2	89.0	66.1	59.6	62.9	71.6
Aragorn	Great Northern Ag	44.6	78.0	10.9	8.3	185	2448	62.3	26.6	--	--	53.2	--	--
Arcadia	Pulse USA	46.7	79.7	8.7	9.4	203	2235	62.6	24.1	84.0	65.4	64.6	65.0	71.3
Greenwood	Great Northern Ag	46.4	77.9	11.7	8.2	162	2785	62.8	25.2	--	--	48.7	--	--
Hampton	NDCIA	48.7	85.4	5.2	8.7	195	2340	62.0	28.4	--	59.3	44.7	52.0	--
Empire	Valesco	48.9	89.3	23.9	3.2	226	2023	63.5	24.2	--	--	73.3	--	--
Shamrock	Valesco	49.9	88.9	18.9	5.3	245	1868	62.4	24.7	--	--	58.9	--	--
Bluemoon	JB Farms	48.0	84.2	16.1	6.3	242	1888	62.8	26.2	--	--	60.5	--	--
Trial Mean		47.1	84.0	17.0	5.8	218	2129	62.6	25.7	89.0	66.1	64.0	--	--
C.V. %		1.5	1.9	17.6	17.9	6.9	8.4	0.8	2.3	6.3	5.8	8.7	--	--
LSD 5%		1.1	2.6	4.9	1.7	24.7	290.4	0.8	1.0	7.9	5.4	9.1	--	--
LSD 10%		0.9	2.1	4.1	1.4	20.6	242.6	0.6	0.8	6.6	4.5	7.6	--	--

¹ Harvest Ease: 0=plants standing erect, 9=plants laying horizontal.

Planting Date: May 19

Harvest Date: August 24