

**NDSU Langdon Research Extension Center
2019 Variety Trial**

Field Pea - 2019

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Variety	Brand	Days to 1st Flower	Days Mature	Canopy		1000 KWT	Test Weight	Protein ² %	Grain Yield				
				Ht at Harvest in	Harvest Ease ¹ 0-9				2017	2018	2019	Avg. 2-yr	Avg. 3-yr
Yellow Cotyledon													
Agassiz	Meridian Seeds	55.0	75.0	19.6	5.5	223	61.8	26.5	80.2	92.3	64.3	78.3	78.9
DS Admiral	Pulse USA	54.0	74.8	19.5	5.0	250	62.3	25.4	78.9	84.4	61.2	72.8	74.8
Spider	Valesco Genetics	56.0	76.5	19.4	6.3	241	62.4	26.8	79.5	88.0	62.6	75.3	76.7
Hampton	USDA	56.5	77.5	9.8	9.0	222	61.7	28.2	--	--	59.3	--	--
AAC Carver	Meridian Seeds	55.5	75.5	24.2	2.5	254	63.1	24.2	90.8	94.5	74.0	84.3	86.4
AC Earlystar	Meridian Seeds	54.5	76.3	18.6	6.0	215	62.6	23.8	74.6	92.4	67.2	79.8	78.1
CDC Amarillo	Meridian Seeds	57.8	78.3	32.8	0.0	236	62.9	25.0	87.5	88.1	68.1	78.1	81.2
CDC Saffron	Meridian Seeds	56.8	77.3	23.7	3.0	262	63.1	26.2	75.0	86.5	71.8	79.2	77.8
CDC Inca	Meridian Seeds	56.5	77.5	28.0	0.8	243	63.3	25.5	80.8	96.6	70.6	83.6	82.7
CDC Spectrum	Meridian Seeds	57.8	79.3	26.0	1.5	252	62.7	26.3	--	--	69.6	--	--
Jetset	Meridian Seeds	54.3	74.5	22.6	3.0	283	62.1	26.8	73.5	91.9	67.2	79.6	77.5
AAC Chrome	Valesco Genetics	56.3	79.8	22.7	4.8	262	62.6	24.7	--	--	76.8	--	--
Hyline	Valesco Genetics	56.0	76.0	15.7	7.8	257	62.9	25.2	--	94.2	68.7	81.5	--
Salamanca	Valesco Genetics	55.3	76.0	18.7	5.3	273	62.6	27.8	--	90.2	61.2	75.7	--
Majestic	JB Farms	56.0	78.5	30.1	0.8	276	62.6	25.8	--	--	67.4	--	--
AAC Asher	Legume Logic	56.0	78.0	18.7	6.3	280	62.3	25.3	--	--	77.1	--	--
CDC Dakota	Legume Logic	59.0	77.5	24.7	2.8	226	62.6	28.4	--	--	63.6	--	--
Astronaute	Legume Logic	55.8	76.8	15.3	7.5	273	62.4	27.0	--	--	66.2	--	--
Mean		55.7	76.7	21.9	4.2	250	62.6	26.1	80.2	89.0	66.1	--	--
C.V. %		1.0	1.9	15.3	43.2	2.3	0.6	1.5	6.9	6.3	5.8	--	--
LSD 5%		0.8	2.0	4.7	2.5	11.5	0.5	0.6	7.9	7.9	5.4	--	--
LSD 10%		0.7	1.7	3.9	2.1	9.6	0.4	0.5	6.6	6.6	4.5	--	--

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

² 0% moisture basis.

Planting Date: May 8; Harvest Date: August 16

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Langdon (Page 2-2)

Variety	Brand	Days to 1st Flower	Days Mature	Canopy		Harvest Ease ¹ 0-9	1000 KWT gms	Test Weight lb/bu	Protein ² %	Grain Yield				
				Ht at Harvest in	Harvest Ease ¹ 0-9					2017	2018	2019	Avg. 2-yr	Avg. 3-yr
Yellow Cotyledon														
AAC Profit	Birdsall Seed & Grain	57.5	77.0	26.8	2.5	231	63.1	26.9	--	99.9	69.5	84.7	--	
DL Apollo	Pulse USA	55.3	74.8	26.9	1.3	244	63.3	26.7	--	--	64.0	--	--	
Durwood	Pulse USA	54.8	77.3	27.9	1.3	254	62.7	26.3	--	91.3	60.6	76.0	--	
Korando	Pulse USA	51.5	75.0	16.1	7.5	290	62.2	28.1	--	--	61.5	--	--	
LG Amigo	Pulse USA	55.0	78.0	24.2	3.5	238	62.4	26.5	--	79.4	61.0	70.2	--	
LG Sunrise	Pulse USA	52.3	76.3	23.4	3.5	246	62.9	25.5	--	83.9	63.7	73.8	--	
Mystique	Pulse USA	56.3	78.3	19.9	5.5	251	62.3	26.3	81.7	94.7	65.4	80.1	80.6	
Nette 2010	Pulse USA	53.0	74.8	19.8	4.0	256	63.3	25.2	79.8	90.2	64.8	77.5	78.3	
Exp01	Star Specialty Seed	53.5	74.3	23.8	2.8	298	62.6	27.4	--	--	66.4	--	--	
Green Cotyledon														
Arcadia	Pulse USA	55.5	75.5	16.8	6.0	210	62.5	25.7	81.0	84.0	65.4	74.7	76.8	
Cruiser	Pulse USA	53.3	73.3	14.6	8.5	221	62.1	26.7	70.5	77.7	56.0	66.9	68.1	
CDC Striker	Nodricks Norsask Seeds	55.0	75.3	16.0	6.5	213	62.5	25.9	85.4	89.0	66.1	77.6	80.2	
AAC Comfort	Meridian Seeds	61.8	80.5	25.6	2.8	281	62.6	26.5	74.8	93.4	66.7	80.1	78.3	
CDC Greenwater	Meridian Seeds	58.8	79.5	31.3	0.0	256	63.4	24.8	89.1	88.1	67.9	78.0	81.7	
Mean		55.7	76.7	21.9	4.2	250	62.6	26.1	80.2	89.0	66.1	--	--	
C.V. %		1.0	1.9	15.3	43.2	2.3	0.6	1.5	6.9	6.3	5.8	--	--	
LSD 5%		0.8	2.0	4.7	2.5	11.5	0.5	0.6	7.9	7.9	5.4	--	--	
LSD 10%		0.7	1.7	3.9	2.1	9.6	0.4	0.5	6.6	6.6	4.5	--	--	

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