

NDSU Langdon Research Extension Center
2021 Variety Trial

Field Pea - 2021

Langdon (Page 1-2)

Variety	Brand	Days		Canopy		1000	Seeds/	Test	Protein	Grain Yield				
		to 1st	Mature	Ht at	Harvest					Ease ¹	KWT	pound	Weight	2019
		Flower	Days	in	0-9	gms		lb/bu	%	-----bu/a-----				
Yellow Cotyledon Type														
DS Admiral	Pulse USA	52	81	16	0	249	1826	63.2	27.6	61.2	73.0	39.6	56.3	57.9
Agassiz	Meridian Seeds	53	82	21	0	244	1869	64.2	26.1	64.3	76.3	44.2	60.3	61.6
CDC Amarillo	Meridian Seeds	55	84	24	0	243	1868	64.2	26.8	68.1	70.4	53.1	61.8	63.9
Durwood	Pulse USA	53	82	23	0	245	1853	64.7	26.8	60.6	75.6	45.7	60.7	60.6
EP_6360	Equinom	50	80	18	0	255	1781	62.2	29.0	--	--	43.7	--	--
EP_6381	Equinom	53	82	20	0	224	2025	64.0	28.0	--	--	40.5	--	--
EP_6816	Equinom	54	82	23	0	221	2056	64.5	26.8	--	--	39.7	--	--
EP_8272	Equinom	51	82	21	0	253	1792	63.9	28.9	--	--	33.2	--	--
EP_8506	Equinom	54	84	20	0	226	2017	64.2	27.8	--	--	36.7	--	--
EP_8971	Equinom	54	85	20	0	281	1616	64.1	30.6	--	--	46.2	--	--
EPX_6186	Equinom	54	83	21	0	247	1838	64.9	27.4	--	--	45.5	--	--
Cronos	Valesco Genetics	50	82	18	0	286	1587	63.5	29.5	--	58.2	31.8	45.0	--
AAC Julius	Valesco Genetics	54	82	23	0	232	1957	64.8	27.2	--	--	53.3	--	--
Salamanca	Valesco Genetics	53	83	22	0	262	1739	63.9	28.9	61.2	74.5	46.4	60.5	60.7
AAC Chrome	Valesco Genetics	55	84	20	0	257	1769	65.1	25.3	76.8	76.7	61.8	69.3	71.8
Spider	Valesco Genetics	53	83	21	0	252	1805	64.8	27.4	--	--	50.5	--	--
Hyline	Valesco Genetics	54	82	22	0	255	1786	64.8	25.4	68.7	62.1	53.1	57.6	61.3
LG Stunner	Pulse USA	50	82	22	0	220	2071	64.4	29.0	--	--	45.2	--	--
DL Apollo	Pulse USA	53	82	21	0	242	1881	64.6	27.6	64.0	59.6	41.5	50.6	55.0
LG Sunrise	Pulse USA	50	82	20	0	261	1750	64.6	25.8	63.7	72.4	40.1	56.3	58.7
Trial Mean		53	83	20	0	250	1829	64.4	27.2	66.1	64.0	45.9	--	--
C.V. %		1.7	1.1	12.7	322	3.2	3.0	0.7	1.8	5.8	8.7	13.3	--	--
LSD 0.05		1	1	4	1	13	90	0.7	0.8	5.4	9.1	10.0	--	--
LSD 0.10		1	1	4	1	11	76	0.6	0.7	4.5	7.6	8.3	--	--

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

Planting Date: May 12

Harvest Date: August 16

Previous Crop: Wheat

Grain protein percentages reported on 0% moisture basis

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Field Pea - 2021 **Langdon (Page 2-2)**

Variety	Brand	Days		Canopy			1000 KWT	Seeds/ pound	Test Weight	Protein %	Grain Yield			2-yr Avg.	3-yr Avg.
		to 1st Flower	Mature	Harvest	Ht at Harvest	Harvest Ease ¹					gms	lb/bu	2019		
Yellow Cotyledon Type															
AAC Carver	Meridian Seeds	52	81	23	0	276	1639	64.6	25.3	74.0	68.2	55.7	62.0	66.0	
CDC Inca	Meridian Seeds	54	83	24	0	249	1822	64.6	26.5	70.6	74.4	50.4	62.4	65.1	
CDC Spectrum	Meridian Seeds	54	83	18	0	253	1797	64.0	27.0	69.6	55.9	45.4	50.7	57.0	
MS-20YP4	Meridian Seeds	55	85	23	0	240	1897	64.6	27.4	--	--	50.3	--	--	
DL GrowPro	Meridian Seeds	53	83	26	0	295	1539	64.1	28.5	--	--	52.9	--	--	
PSTSP39	Photosyntech	53	83	19	1	272	1684	65.2	27.3	--	--	49.6	--	--	
PSTSP43	Photosyntech	54	86	17	0	289	1578	64.6	28.8	--	--	43.5	--	--	
AAC Profit	Premier Genetics LLC	54	82	20	0	253	1791	64.8	27.4	69.5	74.5	49.5	62.0	64.5	
AAC Asher	Premier Genetics LLC	55	84	17	0	288	1571	64.0	26.2	77.1	64.2	42.9	53.6	61.4	
Orchestra	Premier Genetics LLC	54	83	18	0	281	1619	64.7	29.1	--	72.4	41.8	57.1	--	
ND Dawn	NDSU	53	81	18	0	246	1846	63.5	25.7	--	59.7	38.4	49.1	--	
Green Cotyledon Type															
CDC Striker	Nodricks Norsask Seed	52	81	16	2	211	2141	64.4	26.0	66.1	59.6	44.6	52.1	56.8	
Aragorn	Great Northern Ag	49	77	15	1	209	2169	62.4	27.1	--	53.2	34.7	44.0	--	
Arcadia	Pulse USA	53	80	16	2	217	2095	64.6	26.0	65.4	64.6	39.5	52.1	56.5	
Greenwood	Great Northern Ag	51	80	18	0	216	2111	64.7	25.0	--	48.7	45.5	47.1	--	
Shamrock	Valesco Genetics	54	83	23	0	244	1859	65.1	26.0	--	58.9	48.0	53.5	--	
Empire	Valesco Genetics	54	84	26	0	217	2087	65.1	26.1	--	73.3	46.5	59.9	--	
PSTSP38	Photosyntech	53	84	20	0	287	1580	64.5	27.0	--	--	50.8	--	--	
Maple Type															
PSTSP45	Photosyntech	55	84	22	0	266	1710	65.5	27.3	--	--	44.8	--	--	
Trial Mean		53	83	20	0	250	1829	64.4	27.2	66.1	64.0	45.9	--	--	
C.V. %		1.7	1.1	12.7	322	3.2	3.0	0.7	1.8	5.8	8.7	13.3	--	--	
LSD 0.05		1	1	4	1	13	90	0.7	0.8	5.4	9.1	10.0	--	--	
LSD 0.10		1	1	4	1	11	76	0.6	0.7	4.5	7.6	8.3	--	--	

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