

**NDSU Langdon Research Extension Center  
2022 Variety Trial**

Field Pea - 2022

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Variety	Brand	Days to 1st Flower	Days Mature	Canopy		1000 Seeds/ KWT	Seeds/ pound	Test Weight	Protein %	Grain Yield				
				Ht at Harvest	Harvest Ease <sup>1</sup>					2020	2021	2022	2-yr Avg.	3-yr Avg.
		Days		in	0-9	gms	lb/bu	%	-----bu/a-----					
<b>Yellow Cotyledon Type</b>														
AAC Asher	Premier Genetics	46	83	15	6.5	236	1927	64.1	25.0	64.2	42.9	54.2	48.6	53.8
AAC Chrome	Valesco Genetics	47	87	15	5.6	232	1959	64.9	25.7	76.7	61.8	70.8	66.3	69.8
AAC Julius	Valesco Genetics	47	82	17	5.7	194	2352	64.6	25.8	--	53.3	58.6	56.0	--
AAC Profit	Premier Genetics	49	90	14	6.6	213	2133	64.3	27.9	74.5	49.5	73.4	61.5	65.8
Agassiz	Meridian Seeds	45	85	15	6.7	227	2001	64.9	27.0	76.3	44.2	66.0	55.1	62.2
CDC Amarillo	Meridian Seeds	49	91	19	5.8	222	2047	65.2	26.5	70.4	53.1	71.3	62.2	64.9
CDC Inca	Meridian Seeds	49	87	22	4.0	203	2234	64.1	26.7	74.4	50.4	71.0	60.7	65.3
CDC Spectrum	Meridian Seeds	48	90	15	6.5	213	2131	64.0	27.5	55.9	45.4	61.0	53.2	54.1
CP5222Y	CROPLAN	45	83	19	6.0	288	1579	63.5	27.2	--	--	71.2	--	--
CP5244Y	CROPLAN	43	88	19	3.3	223	2036	64.0	26.7	--	--	64.0	--	--
DL Apollo	PulseUSA	46	81	19	2.4	221	2053	64.5	26.3	59.6	41.5	61.7	51.6	54.3
MS GrowPro	Meridian Seeds	48	87	24	2.2	304	1500	64.0	28.2	--	52.9	69.9	61.4	--
DS Admiral	Pulse USA	48	86	18	4.0	201	2262	64.5	25.9	73.0	39.6	70.3	54.9	61.0
EP_1401S42	Equinom	49	91	9	8.7	170	2677	63.1	29.9	--	--	55.4	--	--
EP_2311B1	Equinom	44	83	13	6.8	203	2239	63.3	27.4	--	--	53.1	--	--
EP_6301S3	Equinom	49	92	20	5.8	188	2426	63.4	29.7	--	--	55.1	--	--
EP_8971	Equinom	46	88	16	6.7	218	2088	64.0	30.3	--	46.2	48.4	47.3	--
Hyline	Valesco Genetics	47	84	16	7.3	229	1977	63.6	26.2	62.1	53.1	55.6	54.4	56.9
LG Stunner	PulseUSA	44	84	17	5.1	203	2245	64.3	28.2	--	45.2	66.7	56.0	--
ND Dawn	NDSU	47	79	11	8.1	186	2435	63.1	24.6	59.7	38.4	46.4	42.4	48.2
Orchestra	Premier Genetics	46	83	14	5.3	279	1629	63.9	27.4	72.4	41.8	55.9	48.9	56.7
PSTSP39	Photosyntech	47	84	17	5.5	245	1864	64.5	25.0	--	49.6	54.8	52.2	--
PSTSPS51	Photosyntech	47	90	17	5.0	242	1878	64.6	24.8	--	44.8	66.9	55.8	--
PSTSP46	Photosyntech	45	81	18	5.2	316	1440	64.6	26.3	--	--	77.2	--	--
PSTSP47	Photosyntech	46	91	23	2.4	275	1653	64.5	27.4	--	--	70.4	--	--
PSTSP50	Photosyntech	47	85	20	5.1	305	1490	64.3	27.5	--	--	77.5	--	--
Salamanca	Valesco Genetics	46	83	19	5.6	250	1816	64.5	28.0	74.5	46.4	64.1	55.2	61.7

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Variety	Brand	Days to 1st Flower	Days Mature	Canopy Ht at Harvest in	Harvest Ease <sup>1</sup> 0-9	1000 KWT gms	Seeds/ pound	Test Weight lb/bu	Protein %	Grain Yield				
										2020	2021	2022	2-yr Avg.	3-yr Avg.
<b>Green Cotyledon Type</b>										-----bu/a-----				
Aragorn	Pulse USA	44	77	8	9.0	188	2421	63.4	26.1	53.2	34.7	40.4	37.5	42.8
Arcadia	Pulse USA	46	81	8	9.0	196	2321	63.7	25.1	64.6	39.5	43.9	41.7	49.3
CDC Striker	Pulse USA	47	80	13	7.9	216	2105	64.4	27.0	59.6	44.6	46.6	45.6	50.3
ND Victory	NDSU	51	92	20	4.1	145	3142	64.3	26.6	--	--	44.9	--	--
PSTSP38	Photosyntech	45	89	16	6.3	210	2169	64.1	26.7	--	50.8	51.1	51.0	--
PSTSP49	Photosyntech	49	87	21	3.5	228	1983	65.3	25.3	--	--	69.6	--	--
Shamrock	Valesco Genetics	49	87	17	5.6	226	2004	64.1	26.3	58.9	48.0	61.4	54.7	56.1
<b>Maple Type</b>														
PSTSP48	Photosyntech	47	85	20	3.7	250	1820	63.4	26.2	--	--	61.7	--	--
Trial Mean		47	86	17	5.6	226	2062	64.2	26.8	64.0	45.9	60.8	--	--
C.V. %		0.9	1.4	12.2	16.3	4.1	4.3	1.1	2.1	8.7	13.3	7.4	--	--
LSD 0.05		0.5	1.5	2.5	1.1	15.0	144.7	1.1	0.7	9.1	10.0	6.0	--	--
LSD 0.10		0.4	1.3	2.1	0.9	12.5	120.8	0.9	0.6	7.6	8.3	5.0	--	--

Planting Date: May 26

Harvest Date: Sept. 7

Previous Crop: Wheat

Soil Type: Svea-Barnes loam

<sup>1</sup> Harvest Ease: 0=plants standing erect, 9=plants laying horizontal.