

**NDSU Langdon Research Extension Center
2023 Variety Trial**

Field Pea - 2023

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Variety	Brand	Days to 1st Flower	Days to Mature	Canopy Ht at Harvest in	Harvest Ease 0-9	1000 KWT gms	Seeds/ pound	Test Weight lb/bu	Protein %	Grain Yield				
										2021	2022	2023	2-yr Avg.	3-yr Avg.
Yellow										-----bu/a-----				
Cotyledon Type														
AAC Profit	Premier Genetics	47	81	37	1	226	2022	63.3	26.2	49.5	73.4	81.0	77.2	68.0
Agassiz	Meridian Seeds	45	82	37	0	229	1995	63.2	26.1	44.2	66.0	87.2	76.6	65.8
CDC Amarillo	Meridian Seeds	49	82	36	0	230	1982	63.5	24.4	53.1	71.3	76.8	74.0	67.1
DS Admiral	Pulse USA	42	77	33	2	247	1846	63.0	24.2	39.6	70.3	82.1	76.2	64.0
ND Dawn	NDSU	44	79	30	0	243	1859	62.8	23.7	38.4	46.4	73.7	60.0	52.8
CP5222Y	CROPLAN	43	78	32	1	289	1570	63.8	25.0	--	71.2	81.8	76.5	--
CP5244Y	CROPLAN	43	82	35	2	238	1906	63.9	24.9	--	64.0	85.5	74.7	--
EP_6816	Equinom	43	79	36	2	207	2188	63.7	24.9	--	--	77.0	--	--
EP_8272	Equinom	42	82	38	2	232	1958	62.4	26.8	--	--	73.6	--	--
EP_8971	Equinom	48	83	40	2	248	1829	62.9	27.2	46.2	48.4	64.8	56.6	53.1
Spider	LaFrenz Seed	46	80	37	1	251	1806	63.8	25.2	--	--	80.4	--	--
6020-11	Limagrain	48	83	39	0	230	1976	63.9	25.6	--	--	78.6	--	--
6087-11	Limagrain	50	84	41	1	221	2060	63.4	25.0	--	--	76.6	--	--
LGPN4184	Limagrain	46	80	36	1	239	1900	63.1	24.4	--	--	78.3	--	--
AAC Beyond	Meridian Seeds	48	80	32	2	215	2110	62.3	25.3	--	--	87.8	--	--
CDC Inca	Meridian Seeds	47	83	39	0	238	1911	63.6	24.7	50.4	71.0	77.7	74.4	66.4
CDC Spectrum	Meridian Seeds	47	82	35	1	242	1875	62.9	25.3	45.4	61.0	83.9	72.4	63.4
MS GrowPro	Meridian Seeds	46	82	37	0	321	1413	63.1	26.2	52.9	69.9	80.0	74.9	67.6
MS ProStar	Meridian Seeds	47	78	34	1	251	1819	62.5	24.4	--	--	78.0	--	--
1814	NDCISA	47	80	33	3	257	1767	62.8	25.8	--	--	81.4	--	--
PS17100008	NDCISA	43	79	29	8	255	1780	62.2	25.4	--	--	75.8	--	--
PS17100022	NDCISA	46	80	37	3	276	1647	63.0	25.1	--	--	80.0	--	--
PSTSPS46	Photosyntech	44	76	32	1	324	1402	64.3	25.5	--	77.2	74.9	76.1	--
PSTSPS50	Photosyntech	45	80	36	2	324	1403	63.5	26.3	--	77.5	81.5	79.5	--
PSTSPS52	Photosyntech	46	81	37	1	218	2086	63.0	25.4	--	--	74.3	--	--
Orchestra	Premier Genetics	42	80	34	2	279	1628	62.7	26.2	41.8	55.9	82.1	69.0	59.9
PG Cash	Premier Genetics	45	77	33	0	264	1721	63.1	24.4	--	--	75.9	--	--

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Variety	Brand	Days to 1st Flower	Days to Mature	Canopy Ht at Harvest	Harvest Ease	1000 KWT	Seeds/ pound	Test Weight	Protein %	Grain Yield				
										2021	2022	2023	2-yr Avg.	3-yr Avg.
Yellow										-----bu/a-----				
Cotyledon Type														
2822	Valesco Genetics	46	82	39	0	242	1877	62.8	25.9	--	--	83.5	--	--
3513	Valesco Genetics	47	82	37	0	258	1760	63.1	26.1	--	--	76.4	--	--
5206	Valesco Genetics	46	80	37	2	228	1993	63.3	24.7	--	--	83.1	--	--
AAC Chrome	Valesco Genetics	48	83	31	1	247	1840	63.1	24.0	61.8	70.8	84.5	77.6	72.4
AAC Julius	Valesco Genetics	47	80	35	0	206	2197	63.7	24.9	53.3	58.6	86.6	72.6	66.2
Hyline	Valesco Genetics	46	80	33	2	244	1863	64.3	23.5	53.1	55.6	85.3	70.4	64.7
Pizzaz	Valesco Genetics	37	77	32	5	309	1466	63.6	24.5	--	--	78.0	--	--
Salamanca	Valesco Genetics	43	79	35	1	262	1728	63.8	25.5	46.4	64.1	77.0	70.5	62.5
Green														
Cotyledon Type														
Aragorn	Pulse USA	42	77	26	4	224	2032	63.0	25.7	34.7	40.4	67.6	54.0	47.6
Arcadia	Pulse USA	43	78	29	5	215	2111	63.0	23.9	39.5	43.9	78.5	61.2	54.0
CDC Striker	Pulse USA	46	78	33	0	240	1898	63.7	25.6	44.6	46.6	70.2	58.4	53.8
ND Victory	NDSU	50	86	41	1	175	2608	63.0	26.3	--	44.9	72.4	58.6	--
6232-4	Limagrain	49	85	40	0	229	1995	63.5	23.8	--	--	79.6	--	--
PSTSPS47	Photosyntech	45	81	34	4	286	1592	63.1	26.4	--	--	78.6	--	--
PSTSPS49	Photosyntech	47	81	36	4	240	1891	63.4	23.3	--	69.6	82.0	75.8	--
PSTSPS53	Photosyntech	42	79	32	2	290	1576	63.8	25.8	--	--	75.9	--	--
PG8318	Premier Genetics	50	84	41	1	223	2044	63.5	25.2	--	--	80.0	--	--
Shamrock	Valesco Genetics	47	80	34	0	233	1943	63.0	25.0	48.0	61.4	81.4	71.4	63.6
Maple Type														
PSTSPS48	Photosyntech	42	79	36	2	268	1696	62.7	25.3	--	61.7	80.2	70.9	--
Trial Mean		45.5	80.3	35.0	1.6	248	1860.4	63.2	25.1	45.9	60.8	78.9	--	--
C.V. %		2.4	1.6	8.1	77.0	3.2	3.6	1.0	2.8	13.3	7.4	7.4	--	--
LSD 0.05		1.8	2.0	4.6	2.0	12.8	110.3	1.1	1.1	10.0	6.0	9.5	--	--
LSD 0.10		1.5	1.7	3.8	1.7	10.7	92.2	0.9	1.0	8.3	5.0	7.9	--	--

Planting Date = May 19; Harvest Date = August 28; Previous Crop = Wheat; Soil Type = Svea-Barnes Loam