

**NDSU Carrington Research Extension Center
2010 Variety Trial Data**

Field Pea

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Variety	Plant Stand	Days to Bloom	Bloom Duration	Days to PM	Vine Length	Canopy Ht at Harvest	Height Index ¹	Lodging at PM	--- Harvest Ease ² ---			--- Seed Yield ---				
									2010	3-yr. Avg.	Seed Protein	Seeds/ 1000 Pound	1000 KWT	Test Weight	3-yr. 2010	3-yr. Avg.
		ft ²				cm	cm	%	0-9	----- 0 - 9 -----	%	gram	lb/bu	----- bu/ac -----		
Yellow Cotyledon Type																
Agassiz	7.1	57.8	15.8	87.0	73.3	49.0	66.6	1.0	2.8	2.5	22.8	1893	242	63.6	59.4	64.2
Audit	8.0	56.3	16.8	90.5	82.0	54.0	65.7	1.3	1.8	--	22.6	1703	267	63.9	60.1	--
Avantgarde	9.1	55.3	16.5	91.0	75.0	52.0	69.3	1.0	1.3	--	23.0	1611	282	63.7	65.5	--
CDC Centennial	7.8	58.5	14.5	90.5	74.3	24.0	32.3	6.5	8.0	--	22.1	1693	268	63.9	63.5	--
CDC Golden	8.3	58.5	16.5	90.0	79.8	52.0	64.9	2.3	4.5	3.3	23.0	1921	237	63.2	62.9	65.2
CDC Meadow	7.4	56.3	17.5	86.3	70.5	51.0	72.2	1.5	2.5	1.9	22.6	2004	227	63.8	57.1	61.4
Capri	7.8	58.0	14.3	84.8	81.0	49.0	60.6	0.8	3.0	--	23.1	2118	215	60.3	60.1	--
DS Admiral	6.5	57.8	15.0	87.0	77.5	56.0	72.6	1.3	2.3	2.7	23.0	1813	251	63.3	54.5	58.5
Korando	5.5	53.0	19.5	90.8	76.3	44.0	57.1	2.8	4.8	3.9	23.1	1686	269	63.2	54.9	61.1
Marquee	7.5	58.3	16.0	89.3	77.0	58.0	74.8	1.0	1.3	1.2	23.3	2240	204	63.5	62.8	61.6
Midas	6.8	58.3	14.3	84.8	76.8	50.0	65.9	0.8	3.8	2.6	22.2	1982	229	62.9	55.4	59.1
Salute	7.3	56.8	18.3	89.5	78.0	45.0	58.2	2.5	5.3	--	22.5	1907	238	62.9	60.4	--
Spider	6.7	58.3	15.8	88.0	74.8	53.0	71.1	1.3	3.8	2.3	22.8	1714	265	63.6	63.2	65.3
Thunderbird	6.1	62.0	11.3	89.5	74.5	57.0	76.4	1.8	2.8	1.5	22.9	1852	246	63.9	56.1	59.8
Trapeze	7.0	57.0	15.8	89.8	75.5	49.0	64.8	2.5	4.3	--	23.2	1673	272	63.0	62.8	--
LL 1109	6.8	58.0	15.0	87.8	79.5	55.0	68.9	1.0	1.8	--	23.0	1756	259	64.0	63.7	--
LL 11209	6.7	56.3	16.0	87.0	75.5	55.0	72.9	0.5	1.5	--	22.6	1919	237	63.3	62.8	--
LL 11809	7.8	58.3	15.3	88.8	77.8	49.0	64.4	1.3	3.0	--	22.6	1860	244	63.7	63.3	--
LL 1509	7.3	58.5	13.8	85.5	72.3	54.0	74.9	0.8	1.0	--	22.6	1686	269	63.1	57.0	--
LL 1809	6.5	59.3	13.0	90.8	73.3	47.0	63.8	2.3	4.0	--	23.3	1908	240	63.1	54.4	--
LL1709	7.5	58.5	15.3	91.3	77.8	56.0	72.8	2.0	2.3	--	23.5	1873	243	63.2	56.6	--
LN4206	7.9	56.0	16.0	89.0	77.3	58.0	76.5	0.5	1.5	--	23.0	1632	279	63.4	65.5	--
PUSA 09001	7.1	56.3	17.0	87.3	79.5	54.0	68.0	0.8	2.5	--	22.7	1865	243	63.7	65.2	--
PUSA 09003	7.6	57.5	16.5	92.0	76.5	61.0	81.2	1.3	1.5	--	22.6	1706	266	63.2	60.2	--
PUSA 09006	7.8	57.5	14.3	85.5	77.3	51.0	65.4	0.8	2.0	--	23.6	1854	246	63.7	48.4	--
PUSA 09008	7.0	59.0	13.3	90.3	80.0	56.0	69.8	2.5	4.0	--	23.1	1774	256	62.2	65.1	--
PUSA 10001	7.0	60.5	12.8	91.0	76.8	67.0	87.8	0.0	0.0	--	23.0	1736	262	63.1	67.1	--
PUSA 10002	7.0	55.3	17.8	89.0	81.5	57.0	70.2	1.5	2.8	--	22.8	1807	252	64.0	62.0	--
PUSA 10003	7.0	57.3	16.0	89.3	73.8	68.0	92.4	0.3	0.5	--	23.2	1719	264	63.5	62.1	--
MEAN	7.2	57.9	15.1	89.2	75.9	51.4	68.2	1.6	3.0	--	22.8	1827	251	63.2	59.2	--
C.V.%	14.6	1.2	7.2	1.8	8.5	10.9	14.4	53.2	35.8	--	2.5	4.3	4.0	3.5	7.0	--
LSD.05	1.5	1.0	1.5	2.2	NS	7.8	13.6	1.2	1.5	--	0.8	110	14.0	NS	5.7	--

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Variety	Plant Stand	Days to Bloom	Bloom Duration	Days to PM	Vine Length	Canopy Ht at Harvest	Height Index ¹	Lodging at PM	--- Harvest Ease ² ---			--- Seed Yield ---				
									2010	3-yr. Avg.	Seed Protein	Seeds/ 1000 Pound	1000 KWT	Test Weight	3-yr. Avg.	
	ft ⁻²				cm	cm	%	0-9	----- 0 - 9 -----	%		gram	lb/bu	----- bu/ac -----		
PUSA 10005	7.3	56.8	16.8	89.5	81.8	60.0	73.2	0.8	1.5	--	24.4	1778	256	62.9	51.9	--
PUSA 10006	6.5	56.0	16.5	90.0	76.8	60.0	78.8	0.5	1.5	--	23.3	1752	259	63.2	55.1	--
PUSA 10007	7.2	60.8	11.5	90.5	73.3	67.0	91.1	0.5	0.8	--	22.9	1640	277	63.4	67.1	--
PUSA 10008	6.5	58.0	15.8	91.5	75.8	53.0	71.1	1.0	1.8	--	23.2	1825	249	63.2	58.1	--
PUSA 10009	7.9	56.3	17.3	90.5	73.8	49.0	67.1	2.3	3.5	--	22.4	1741	261	63.7	58.8	--
PUSA 10010	6.9	56.8	16.5	87.8	75.8	55.0	72.7	0.5	1.0	--	23.2	1636	278	62.8	58.3	--
PUSA 10011	7.6	58.3	14.8	88.3	70.5	55.0	79.0	1.3	2.3	--	23.0	1765	258	64.2	58.8	--
PUSA 10012	8.1	57.3	16.8	89.3	70.3	54.0	77.4	1.0	1.8	--	22.6	1844	246	62.9	58.8	--
PUSA 10013	7.4	58.3	14.3	88.0	76.5	60.0	78.4	0.8	2.3	--	22.5	1700	268	63.8	55.3	--
Green Cotyledon Type																
Aragorn	6.3	56.3	17.0	84.8	73.5	39.0	53.1	2.5	5.3	4.6	23.0	2152	211	62.9	46.8	52.4
Arcadia	8.1	58.3	15.3	88.8	68.8	37.0	54.2	2.5	5.8	4.2	22.3	1990	228	63.2	64.3	64.9
Blue Moon	7.1	59.0	13.3	89.8	76.0	51.0	67.4	1.8	2.8	--	23.0	1828	248	63.1	53.0	--
CDC Patrick	7.2	59.5	14.3	90.8	73.3	39.0	53.7	2.8	4.0	--	22.0	2174	209	63.7	58.6	--
CDC Striker	7.6	59.0	13.5	89.0	72.8	51.0	71.4	0.8	2.8	1.7	23.3	1761	258	63.5	54.7	57.8
Cooper	8.3	65.3	8.3	93.8	78.8	42.0	53.0	2.3	4.0	2.9	22.5	1432	317	64.1	61.7	65.9
Cruiser	7.8	58.0	16.0	89.3	77.3	40.0	52.1	3.0	5.3	4.0	22.7	2068	222	63.1	55.3	57.1
Evergreen	7.8	60.0	13.3	91.3	77.8	51.0	67.6	1.8	3.0	--	22.6	1767	257	63.9	65.7	--
K2	5.8	55.0	17.3	87.0	73.5	48.0	66.5	2.0	4.3	1.7	22.2	1995	228	63.6	54.5	57.3
Majoret	6.2	58.0	14.0	90.0	74.0	42.0	56.3	2.3	4.3	3.7	22.9	1848	247	63.7	55.4	61.7
Malachite	5.2	57.3	15.5	91.5	82.3	38.0	46.9	4.5	6.3	--	23.2	2167	210	63.6	55.5	--
Matrix	6.9	60.5	12.8	90.5	73.0	49.0	67.5	2.0	4.0	2.9	22.1	1609	282	63.1	64.3	61.9
APCM 03018	6.1	56.8	15.0	89.0	78.8	54.0	69.4	1.3	3.0	--	22.9	1935	236	56.3	58.5	--
LAN 1103	7.9	59.5	12.8	91.5	73.8	55.0	74.1	1.0	2.0	--	22.3	1513	300	63.2	56.3	--
LL 22209	6.9	59.0	14.8	91.3	72.8	53.0	73.5	1.8	3.8	--	22.8	1861	245	63.2	59.8	--
PUSA 10004	7.3	58.8	13.0	89.8	72.8	48.0	65.6	1.8	4.0	--	23.0	1973	231	63.0	59.5	--
MEAN	7.2	57.9	15.1	89.2	75.9	51.4	68.2	1.6	3.0	--	22.8	1827	251	63.2	59.2	--
C.V.%	14.6	1.2	7.2	1.8	8.5	10.9	14.4	53.2	35.8	--	2.5	4.3	4.0	3.5	7.0	--
LSD.05	1.5	1.0	1.5	2.2	NS	7.8	13.6	1.2	1.5	--	0.8	110	14.0	NS	5.7	--

Planting Date = April 26 ; Harvest Date = August 2 ; Previous Crop = Spring Wheat

¹ Height Index: Plant height at time of harvest relative to plant height at end of bloom.

² Harvest Ease scores: 0 = all plants upright ~ very easy harvest, to 9 = all plants flat ~ very difficult to harvest direct.