

**NDSU Carrington Research Extension Center  
2009 Variety Trial Data**

**Field Pea**

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Variety	Plant Stand ft <sup>2</sup>	Days to Bloom	Bloom Duration	Days to PM	Vine Length cm	Canopy		Lodging at PM 0-9	--- Harvest Ease ---		Seed Protein %	Seeds/1000 Pound	1000 KWT gram	--- Seed Yield ---		
						Ht at Harvest cm	Height Index %		3-yr. Avg. 0 - 9	Test Weight lb/bu				3-yr. Avg. bu/ac		
<b>Yellow Cotyledon Type</b>																
Agassiz	7.3	51.3	20.8	83.8	69	66	95	0.0	0.8	--	21.7	1840	247	64.5	67.7	65.4
CDC Centennial	7.3	53.0	18.5	87.0	51	51	100	1.5	3.8		21.4	1813	250	64.8	70.8	
CDC Golden	7.1	51.8	20.5	85.5	66	64	97	0.3	1.0	3.0	22.0	2174	209	64.8	67.6	56.7
CDC Meadow	7.2	50.8	20.0	83.3	70	68	98	0.5	0.5	1.9	21.5	2159	210	65.9	64.8	54.6
CDC Mozart	7.3	53.0	19.5	87.5	52	26	49	4.8	7.3	7.1	21.4	1929	236	64.9	69.4	55.3
Commander	7.6	52.8	19.3	85.3	64	64	100	0.3	0.5	--	21.5	2111	215	64.9	64.0	62.1
DS Admiral	6.6	52.5	15.3	85.8	69	62	90	1.5	2.3	3.0	21.0	1997	227	65.4	64.6	53.8
Eclipse	7.3	51.3	16.3	85.3	53	46	86	0.8	2.3	3.7	22.1	2005	227	65.0	60.6	51.6
Korando	7.1	48.0	14.0	82.0	62	57	92	0.3	1.5	3.5	21.8	1693	268	65.4	67.2	57.8
LAN 4188	8.6	52.3	17.3	85.5	72	53	74	1.5	2.8	--	21.6	1821	250	65.3	65.3	64.0
LAN 4193	6.9	52.3	16.8	84.3	65	58	90	0.0	0.3	--	21.1	1879	242	64.9	59.9	64.0
LAN 4195	7.4	55.0	16.8	87.0	58	39	68	2.0	4.5	--	21.5	1794	253	64.1	64.8	--
LAN 4200	7.0	54.0	17.8	87.3	70	54	77	1.3	2.8	--	21.4	2092	218	64.5	63.6	--
Noble	7.0	55.0	17.8	94.8	61	60	98	2.0	2.8	2.8	23.6	1943	234	63.1	51.7	57.0
PUSA 09001	6.5	49.5	15.0	82.0	62	57	92	0.0	0.0	--	21.3	2126	214	66.3	59.6	--
PUSA 09002	7.6	52.8	14.8	86.0	61	56	94	0.8	1.0	--	22.1	2371	192	65.0	51.8	--
PUSA 09003	8.0	52.8	18.0	85.3	73	59	81	0.5	1.3	--	21.5	1996	228	64.3	61.5	--
PUSA 09004	7.4	51.8	18.0	84.8	65	61	95	0.8	2.0	--	21.1	1720	264	65.2	66.4	--
PUSA 09005	7.5	50.8	16.5	81.5	57	57	100	0.0	0.0	--	20.8	2038	223	65.5	52.5	--
PUSA 09006	7.2	51.0	15.8	84.0	68	63	93	0.3	0.5	--	22.0	1844	246	65.3	54.4	--
PUSA 09008	7.4	54.5	15.5	87.0	71	59	84	2.5	3.5	--	21.2	2025	225	64.9	58.7	--
Polstead	6.4	52.0	17.8	86.5	61	53	87	0.8	2.0	5.7	22.1	1924	241	64.8	64.8	62.7
Puma	7.5	52.5	18.5	86.0	73	49	68	2.3	3.3	--	21.5	1792	254	64.8	62.5	--
SW E 5053	8.1	50.8	14.0	83.0	72	67	93	0.0	0.0	--	21.7	1587	287	66.3	70.6	--
SW E 5083	7.6	51.0	16.0	83.3	65	59	91	0.3	1.0	--	21.7	1764	257	64.2	65.4	--
SW Marquee	7.8	53.8	18.0	84.8	64	64	100	0.3	0.3	1.0	21.8	2372	192	65.3	60.0	54.1
MEAN	7.2	52.9	16.8	86.3	64.5	55.5	86.6	1.1	1.9	--	21.6	2021	231	64.9	61.7	--
C.V.%	10.7	1.2	7.1	1.7	7.8	13.5	13.2	76.4	60.7	--	2.1	5.3	5.1	1.0	8.0	--
LSD.05	1.1	0.9	1.6	2.0	7.0	10.5	15.9	1.2	1.6	--	0.6	149	16	0.9	6.9	--

**Planting Date = May 8 ; Harvest Date = August 18 ; Previous Crop = Spring Wheat**

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**Field Pea** **Carrington (Page 2 of 2)**

Variety	Canopy							-- Harvest Ease --			--- Seed Yield ---					
	Plant Stand	Days to Bloom	Bloom Duration	Days to PM	Vine Length	Ht at Harvest	Height Index	Lodging at PM	3-yr. Avg. 2009	Seed Protein %	Seeds/1000 Pound	1000 KWT	Test Weight	3-yr. Avg. 2009		
	ft <sup>2</sup>			PM	cm	cm	%	0-9	----- 0 - 9 -----	%		gram	lb/bu	----- bu/ac -----		
SW Midas	6.5	53.8	16.3	85.5	61	55	90	0.0	1.0	2.6	21.7	2129	217	65.3	66.2	55.9
SW Salute	6.5	52.3	19.3	86.3	70	44	63	2.0	4.5	--	22.0	2129	213	64.3	65.9	--
Sorento	6.5	53.3	19.0	89.5	61	49	82	3.0	5.0	--	21.9	1962	232	64.4	66.7	62.7
Spider	6.4	53.3	18.8	85.8	69	67	97	0.0	0.3	2.3	21.8	1748	260	64.7	67.1	59.7
Summit	7.5	51.3	19.0	84.5	67	61	90	0.5	1.3	--	21.1	2050	222	66.2	68.2	--
Thunderbird	7.1	58.0	14.8	90.5	67	65	97	0.5	0.8	1.4	21.9	2065	220	64.5	59.8	56.5
Tudor	6.6	57.0	14.5	88.0	64	54	85	2.0	3.3	3.4	21.5	1693	269	64.0	59.6	55.4
Green Cotyledon																
APCM 03018	7.9	49.5	12.5	81.5	65	61	93	0.5	1.3	--	21.5	1891	241	65.2	60.8	--
APCM 17019	7.2	57.5	13.5	91.0	68	60	88	1.0	1.5	--	21.6	1873	243	65.3	65.0	--
Aragorn	6.6	49.0	15.8	80.8	53	41	78	1.5	2.5	4.5	21.2	2348	193	64.9	52.7	48.6
Arcadia	7.6	51.8	17.3	84.0	56	47	84	1.0	2.3	4.3	21.4	2202	207	64.5	65.9	56.5
CDC Patrick	7.3	56.8	15.8	89.8	65	48	76	2.5	3.8	--	21.0	2580	176	64.3	60.8	--
CDC Sage	6.5	54.8	18.0	89.8	66	64	97	1.0	1.3	--	20.3	2712	168	64.9	52.9	--
CDC Striker	8.2	52.8	16.8	86.3	64	60	93	0.3	0.3	1.4	22.3	1994	228	65.5	58.6	54.2
Cooper	6.3	59.0	13.0	93.3	58	58	100	0.8	0.8	2.6	21.1	1595	285	64.6	67.2	62.3
Cruiser	7.6	51.0	17.5	83.0	65	45	70	1.3	2.3	3.5	21.4	2345	194	65.0	60.5	48.0
K2	7.8	49.3	15.0	82.0	63	51	81	0.3	0.3	1.2	21.5	2064	220	65.3	56.3	52.1
LAN 1103	8.1	55.3	14.3	91.8	74	70	96	0.8	0.8	--	20.5	1667	273	65.0	65.3	--
Majoret	6.3	55.5	16.3	90.3	63	43	68	1.8	3.8	4.0	21.3	2273	200	63.7	63.5	54.3
Matrix	6.7	58.0	14.0	91.3	54	54	100	1.0	1.3	2.6	21.3	1672	272	64.3	53.7	64.4
PUSA 09007	7.4	51.8	18.0	88.0	62	60	98	0.0	1.0	--	21.2	1793	254	65.1	57.8	--
Miscellaneous Types																
CDC Tucker{Forage}	6.9	55.3	17.5	92.0	68	66	97	1.3	2.5	--	22.7	2999	152	64.9	49.7	--
NPZ 05-292{Forage}	9.5	54.0	23.5	94.3	79	40	50	6.5	7.8	--	23.0	3117	146	64.7	50.2	--
Orka {Marrowfat}	5.9	50.3	16.3	87.0	60	40	68	2.8	4.5	5.5	21.5	1203	378	63.8	59.9	44.2
MEAN	7.2	52.9	16.8	86.3	64.5	55.5	86.6	1.1	1.9	--	21.6	2021	231	64.9	61.7	--
C.V.%	10.7	1.2	7.1	1.7	7.8	13.5	13.2	76.4	60.7	--	2.1	5.3	5.1	1.0	8.0	--
LSD.05	1.1	0.9	1.6	2.0	7.0	10.5	15.9	1.2	1.6	--	0.6	149	16	0.9	6.9	--

**Planting Date = May 8 ; Harvest Date = August 18 ; Previous Crop = Spring Wheat**

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

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

\*\* The 2009 field pea trial varieties generally took 8 to 10 days from PM to being harvest ready. Some (limited) lines only took 4 to 5 days!