

**NDSU Carrington Research Extension Center
2012 Variety Trial Data**

Field Pea **Carrington (Page 1 of 3)**

Variety		Days to Bloom	Bloom Duration	Days to PM	Vine Length cm	Canopy Ht at Harvest cm	Height Index ¹ %	--- Harvest Ease ² ---		Seed Protein %	Seeds/ Pound	1000 KWT gram	---- Seed Yield ----		
								2012	3-yr. Avg.				2012	3-yr. Avg.	
								----- 0 - 9 -----	-----				----- bu/ac -----	-----	
Yellow Cotyledon Type															
Agassiz	Y	54.3	16.3	85.8	101.0	43.0	42.5	4.3	4.8	24.8	2272	200	62.4	63.4	55.1
Avantgarde	Y	57.8	11.3	85.3	102.0	28.0	27.1	6.0	4.6	23.3	2554	179	63.2	59.4	54.5
BS Trmt	Y	57.0	12.8	85.8	93.8	28.0	29.2	6.0	--	23.6	2611	175	63.1	60.0	--
Bridger	Y	52.8	16.5	83.3	107.0	69.0	64.5	1.3	--	24.1	2167	210	62.7	65.2	--
CDC Golden	Y	56.5	13.3	84.8	100.0	36.0	36.0	6.0	5.9	25.4	2369	192	63.9	55.9	49.0
CDC Meadow	Y	55.8	15.3	85.5	107.0	52.0	49.2	4.8	4.7	24.5	2463	185	64.0	62.9	52.6
CDC Treasure	Y	55.5	15.3	85.0	109.0	50.0	46.0	3.3	--	23.1	2350	194	64.2	64.5	--
DS Admiral	Y	55.8	13.3	83.5	108.0	67.0	62.8	2.0	3.7	25.3	2037	223	62.9	58.3	52.3
Gunner	Y	55.8	14.5	87.0	103.0	48.0	46.8	3.5	--	25.4	2322	196	63.6	56.5	--
Jetset	Y	55.0	14.3	81.8	114.0	67.0	58.7	1.5	--	25.1	2115	215	63.4	56.6	--
Korando	Y	50.0	18.8	84.8	112.0	50.0	44.1	4.0	5.0	24.7	1807	252	62.2	74.6	56.5
LN 4206	Y	52.0	16.0	84.5	116.0	52.0	45.5	2.5	--	24.0	1998	227	62.8	57.6	--
LN 4223	Y	52.0	16.0	85.3	101.0	68.0	68.1	1.5	4.4	24.9	2286	199	63.0	57.2	50.1
LN 4228	Y	50.8	17.8	86.5	99.0	76.0	77.1	1.0	--	25.1	2151	212	63.8	57.2	--
Mystique	Y	55.8	14.3	86.8	114.0	52.0	45.3	3.0	3.2	24.0	2099	217	63.0	65.1	52.4
Navarro	Y	47.8	20.8	83.0	110.0	57.0	52.6	2.8	3.8	24.3	1942	234	62.4	63.1	54.8
Nette	Y	57.0	12.3	85.0	101.0	58.0	57.3	2.0	3.5	23.3	2196	207	63.9	65.8	54.4
PST-1	Y	51.5	16.5	84.3	77.8	39.0	53.4	7.3	--	26.4	1941	235	62.8	45.3	--
PST-11	Y	58.3	12.0	87.0	113.0	53.0	47.4	3.0	--	25.6	1964	233	64.0	61.1	--
PST-14	Y	57.3	12.3	85.5	118.0	48.0	40.1	4.0	--	24.4	1796	254	63.5	68.2	--
PST-7	Y	58.3	12.5	87.8	108.0	68.0	63.1	2.3	--	24.5	2047	222	64.4	64.2	--
PUSA 10002	Y	51.8	17.5	86.5	113.0	56.0	49.4	3.3	4.0	25.6	2371	201	63.7	55.9	55.7
PUSA 10003	Y	56.0	13.8	86.3	122.0	88.0	71.8	0.3	1.7	25.5	2321	197	63.1	57.9	56.1
MEAN		54.7	14.7	85.8	104.0	53.4	51.5	3.3	--	24.9	2168	212	63.2	60.1	--
C.V. (%)		1.4	7.5	1.6	5.9	22.3	25.3	35.9	--	3.0	7.1	6.8	0.8	11.9	--
LSD 0.05		1.0	1.5	1.9	8.5	16.5	18.1	1.7	--	1.0	214	20	0.7	10.0	--

Planting Date = April 25 ; Harvest Date = July 31 ; Previous Crop = Spring Wheat

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Variety		Days to Bloom	Bloom Duration	Days to PM	Vine Length cm	Canopy Ht at Harvest cm	Height Index ¹ %	--- Harvest Ease ² ---		Seed Protein %	Seeds/ Pound	1000 KWT gram	---- Seed Yield ----		
								2012	3-yr. Avg.				2012	3-yr. Avg.	
								0 - 9					bu/ac		
Yellow Cotyledon Type															
PUSA 11001	Y	47.5	20.5	86.8	104.0	76.0	74.4	1.5	--	25.5	2321	196	62.9	65.9	--
PUSA 11001-2	Y	48.0	21.0	85.0	102.0	72.0	72.0	1.8	--	24.3	2058	221	62.5	68.1	--
PUSA 11002	Y	51.8	16.0	84.5	106.0	49.0	48.2	4.0	--	25.9	2457	186	62.8	66.1	--
PUSA 11003	Y	52.3	16.0	84.5	107.0	65.0	61.3	1.5	--	25.6	2270	200	63.2	55.3	--
PUSA 12001	Y	58.8	11.0	87.5	101.0	54.0	54.1	3.5	--	26.0	2032	223	63.9	53.3	--
PUSA 12002	Y	59.5	10.5	87.3	105.0	52.0	49.5	2.8	--	25.5	2278	199	64.4	64.0	--
PUSA 12004	Y	51.0	17.0	86.0	109.0	56.0	51.4	3.0	--	24.2	2040	223	63.9	67.1	--
PUSA EXP112	Y	53.5	15.3	88.0	107.0	61.0	56.9	2.0	--	26.5	2256	202	63.1	59.9	--
PUSA EXP212	Y	51.3	17.3	85.8	113.0	52.0	46.0	4.5	--	26.1	1926	236	62.7	59.9	--
PUSA EXP312	Y	51.5	17.5	88.3	114.0	67.0	58.9	1.8	--	25.4	1997	227	64.2	65.0	--
PUSA EXP412	Y	52.5	17.3	85.5	122.0	49.0	40.0	2.8	--	25.6	1912	238	63.5	59.8	--
PUSA EXP512	Y	51.3	16.7	86.3	109.0	48.0	44.1	4.3	--	24.0	2110	215	63.0	62.9	--
PUSA EXP612	Y	50.5	18.0	86.0	105.0	53.0	50.1	2.8	--	24.6	2074	219	63.1	64.1	--
SW Midas	Y	56.8	13.0	84.3	88.8	31.0	34.1	5.5	--	23.5	2531	180	63.1	58.4	--
SW Trapeze	Y	53.5	15.5	85.8	92.3	37.0	40.6	5.0	--	24.8	2042	223	62.4	64.3	--
Salamanca	Y	56.0	13.5	85.5	105.0	44.0	42.3	4.5	--	26.2	2199	207	62.9	59.4	--
Spider	Y	58.0	12.0	86.3	110.0	44.0	39.6	4.5	5.0	24.4	2138	213	63.6	64.9	57.2
Thunderbird	Y	62.8	8.0	87.3	94.0	55.0	58.2	2.8	4.0	25.7	2567	177	63.7	50.6	46.8
Torch	Y	60.5	9.3	87.3	100.0	62.0	62.1	1.5	--	25.3	2041	224	63.8	61.1	--
Vegas	Y	56.8	13.3	87.0	101.0	64.0	62.9	1.5	--	25.0	2245	202	62.7	61.6	--
Green Cotyledon Type															
Aragorn	G	53.0	16.8	83.0	88.3	40.0	44.9	5.5	6.4	25.6	2284	201	62.3	52.7	43.7
Bluemoon	G	55.5	13.8	86.3	101.0	56.0	54.9	2.5	3.9	25.0	2088	218	62.9	63.2	53.9
MEAN		54.7	14.7	85.8	104.0	53.4	51.5	3.3	--	24.9	2168	212	63.2	60.1	--
C.V. (%)		1.4	7.5	1.6	5.9	22.3	25.3	35.9	--	3.0	7.1	6.8	0.8	11.9	--
LSD 0.05		1.0	1.5	1.9	8.5	16.5	18.1	1.7	--	1.0	214	20	0.7	10.0	--

Planting Date = April 25 ; Harvest Date = July 31 ; Previous Crop = Spring Wheat

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Field Pea **Carrington (Page 3 of 3)**

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								2012	3-yr. Avg.				2012	3-yr. Avg.	
Green Cotyledon Type															
CDC Patrick	G	57.8	13.3	87.5	96.0	52.0	54.3	4.3	5.1	24.0	2707	169	63.4	55.3	48.0
CDC Striker	G	54.5	15.3	84.5	88.5	31.0	35.2	6.8	5.5	23.9	2319	196	62.7	56.9	50.6
Cruiser	G	54.3	15.0	85.3	102.0	46.0	44.7	5.0	5.9	25.0	2123	214	62.3	55.3	47.4
Daytona	G	58.0	11.8	85.3	103.0	41.0	40.0	4.8	--	23.9	1984	229	63.2	59.0	--
K2	G	52.0	17.8	84.8	84.0	57.0	68.0	1.8	4.4	24.6	2128	214	63.2	52.0	48.3
LN 1103	G	57.0	11.8	88.0	106.0	66.0	62.0	1.5	--	23.9	1912	238	63.1	58.1	--
LN 1115	G	55.8	14.0	86.5	98.3	54.0	54.9	3.0	--	24.5	2001	228	64.0	60.8	--
Majoret	G	55.3	13.0	86.8	98.0	32.0	32.2	5.8	5.9	26.5	2342	194	62.7	49.3	49.2
PST-12	G	56.0	13.5	86.3	107.0	70.0	65.6	1.8	--	24.5	1963	234	63.1	51.4	--
PST-13	G	57.8	11.3	88.0	114.0	74.0	64.2	1.3	--	24.6	1865	245	64.1	64.9	--
PST-5	G	52.5	17.3	88.5	110.0	74.0	67.3	1.0	--	23.8	2224	205	64.2	62.1	--
PST-9	G	57.3	12.3	87.0	118.0	33.0	28.4	7.0	--	25.0	1821	250	62.3	65.9	--
SW Arcadia	G	54.5	15.5	84.8	84.0	26.0	31.1	6.8	6.9	24.1	2276	200	62.8	59.9	54.7
Shamrock	G	60.0	10.0	89.0	94.0	67.0	71.5	2.5	3.9	25.1	2214	206	63.8	49.3	50.5
Viper	G	52.0	16.5	83.0	112.0	50.0	44.5	3.5	--	25.5	2134	213	62.2	59.5	--
MEAN		54.7	14.7	85.8	104.0	53.4	51.5	3.3	--	24.9	2168	212	63.2	60.1	--
C.V. (%)		1.4	7.5	1.6	5.9	22.3	25.3	35.9	--	3.0	7.1	6.8	0.8	11.9	--
LSD 0.05		1.0	1.5	1.9	8.5	16.5	18.1	1.7	--	1.0	214	20	0.7	10.0	--

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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.