

**NDSU Carrington Research Extension Center  
2013 Variety Trial Data**

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

Variety	Plant Stand	Days to Bloom	Bloom Duration	Days to PM	Vine Length inch	Height Index <sup>1</sup> %	Lodge at PM 0 to 9	----- Harvest Ease <sup>2</sup> -----		Seed Protein %	Seeds/ Pound	1000 KWT gram	Test Weight lb/bu	----- Seed Yield -----	
								2013	3-yr. Avg.					2013	3-yr. Avg.
<b>Yellow Cotyledon Type</b>															
Agassiz	7.1	50.3	7.5	73.5	27.0	87.2	0.8	2.0	4.5	28.3	2099	219	64.7	64.0	56.7
DS Admiral	9.5	49.3	6.8	72.0	28.5	95.0	0.3	0.8	3.2	28.1	2065	223	64.7	54.5	52.3
CDC Meadow	7.4	49.8	6.5	72.5	28.4	84.6	1.5	2.3	4.6	26.6	2298	199	65.6	58.5	53.0
LN4228	9.7	46.0	12.3	75.3	26.7	97.1	0.3	1.0	--	29.1	1906	238	65.0	61.1	--
LN4232	7.8	51.5	3.8	73.8	28.8	93.1	0.5	1.0	--	29.7	2050	222	63.7	44.3	--
CM3404	8.5	52.5	3.0	75.0	32.7	81.4	1.0	1.5	4.7	28.0	1686	271	64.2	68.7	55.6
LN4240	9.1	51.0	6.5	74.0	24.5	100.0	0.5	1.3	--	30.5	1968	232	65.0	56.8	--
CM1609	9.0	54.5	2.3	78.0	33.0	92.4	0.5	1.5	--	26.5	1520	299	64.2	60.5	--
CDC Treasure	7.9	50.3	7.5	72.0	27.3	84.6	1.3	2.3	4.0	25.8	2184	208	65.4	63.4	58.0
Bridger	7.5	49.0	8.0	74.0	28.1	87.9	0.3	0.8	2.5	27.5	2236	203	65.2	59.5	57.3
Spider	7.9	51.3	5.8	73.0	27.0	93.7	0.0	1.8	4.4	29.5	2046	224	64.9	53.6	54.0
Navarro	7.2	45.0	10.3	72.3	26.8	86.1	1.0	2.0	3.7	28.5	1899	240	65.1	55.1	53.5
Salamanca	9.5	49.3	6.8	72.3	27.4	93.5	0.5	0.8	--	30.1	1860	244	65.0	59.6	--
Gunner	8.2	49.8	6.8	73.5	28.1	80.1	1.5	2.3	4.2	27.7	2059	222	64.5	60.3	51.3
Vegas	9.2	51.0	5.5	74.5	27.2	93.3	0.0	1.0	2.8	29.6	2176	210	64.8	57.4	53.6
Supreme	6.6	46.8	9.3	71.8	26.1	82.8	1.5	2.8	--	28.2	2018	226	65.0	58.9	--
Garrison	8.4	51.3	4.0	74.3	27.5	93.8	0.0	1.0	--	27.8	2048	223	64.4	53.8	--
Rainbow	8.7	50.0	5.5	71.8	27.1	95.2	0.8	1.0	--	27.2	1910	238	64.6	55.6	--
SW Trapeze	7.1	48.0	7.3	72.3	23.5	97.7	0.5	1.8	--	27.8	1884	241	64.4	59.7	--
Torch	7.6	52.0	4.0	75.0	25.9	86.9	0.3	1.5	2.9	28.8	2150	218	64.4	52.5	51.4
E	7.3	51.8	5.5	75.8	29.4	66.4	4.3	4.3	--	28.0	2117	218	65.3	58.6	--
GAN	4.7	53.0	5.8	78.3	29.4	47.6	5.5	5.5	--	28.8	1830	250	64.3	50.8	--
Korando	8.7	45.0	11.0	72.0	27.8	88.6	1.3	1.5	3.9	29.2	1756	259	65.2	61.9	58.8
MEAN	8.2	49.0	7.4	73.5	27.0	84.5	1.4	2.1	--	28.1	2051	225.6	64.7	57.0	--
C.V. (%)	17.6	2.2	19.8	1.5	8.3	16.7	83.6	46.3	--	2.3	7.8	6.8	0.8	9.9	--
LSD 0.10	1.7	1.2	1.7	1.3	2.6	16.4	1.4	1.1	--	0.7	186	17.8	0.6	6.6	--
LSD 0.05	2.0	1.5	2.0	1.5	3.1	19.5	1.7	1.4	--	0.9	222	21.3	0.7	7.8	--

**Planting Date = May 10 ; Harvest Date = August 9 ; Previous Crop = Flax**

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2013 Variety Trial Data**

**Field Pea** **Carrington (Page 2 of 3)**

Variety	Plant Stand	Days to Bloom	Bloom Duration	Days to PM	Vine Length inch	Height Index <sup>1</sup> %	Lodge at PM 0 to 9	----- Harvest Ease <sup>2</sup> -----		Seed Protein %	Seeds/ Pound	1000 KWT gram	Test Weight lb/bu	----- Seed Yield -----	
								2013	3-yr. Avg.					2013	3-yr. Avg.
								----- 0 - 9 -----						----- bu/ac -----	
<b>Yellow Cotyledon Type</b>															
LN4206 Abarth	7.4	48.3	7.3	72.0	27.3	87.1	1.0	2.3	--	26.0	1740	261	64.7	63.6	--
Mystique	8.0	49.3	7.0	74.3	27.3	89.4	1.3	2.5	3.5	27.4	2244	206	64.3	56.0	51.0
Nette	9.0	46.8	9.0	71.8	25.0	84.9	0.3	1.5	3.4	27.1	2054	222	65.9	55.4	53.2
SW Midas	9.4	49.0	6.3	72.5	25.0	82.9	0.8	1.5	--	25.9	2287	199	64.8	62.5	--
PUSA 10003	9.1	47.8	8.0	73.3	28.1	95.3	0.3	1.0	1.9	30.0	2263	201	64.6	47.0	51.1
PUSA 11001-2	8.7	45.0	12.0	70.3	25.1	93.3	0.8	1.0	3.2	28.1	2045	223	64.7	54.6	56.2
PUSA 11001	8.0	45.0	11.5	71.0	26.5	94.3	0.5	1.3	3.0	28.4	2142	212	64.5	54.2	52.5
PUSA EXP612	8.0	48.0	8.0	71.7	30.4	82.9	0.3	0.7	--	28.2	1969	232	64.8	60.6	--
PUSA EXP312	9.3	47.3	8.3	72.7	29.7	97.9	0.3	1.3	--	28.8	2097	217	64.8	58.2	--
PUSA Exp 1300	9.3	46.7	9.7	72.7	32.0	92.0	0.3	1.0	--	28.1	1936	235	65.2	65.8	--
PUSA Exp 1301	8.5	45.8	11.0	72.3	28.9	93.0	0.3	1.0	--	29.3	2206	206	64.9	54.7	--
PUSA 11002	8.3	47.0	9.0	71.8	25.7	89.4	1.3	1.5	4.1	29.4	2124	214	65.5	57.2	54.1
PUSA Exp 1302	9.5	45.3	11.0	71.3	28.8	69.0	3.3	3.8	--	27.2	1760	259	64.4	58.4	--
PUSA Exp 1303	7.2	45.8	10.0	72.0	26.1	73.1	3.3	3.0	--	28.5	1811	251	64.9	59.9	--
PUSA Exp 1304	8.0	45.0	11.5	71.0	27.3	74.1	2.3	2.0	--	28.2	2078	219	65.3	55.0	--
PUSA Exp 1305	8.0	46.8	9.3	71.8	32.1	93.4	0.3	1.0	--	27.4	1644	277	64.9	61.5	--
PUSA Exp 1306	8.4	46.8	10.3	72.8	26.4	65.5	4.3	4.8	--	28.2	2054	224	64.9	58.9	--
PUSA Exp 1307	9.0	45.0	11.5	71.5	26.9	83.1	2.0	2.5	--	28.2	1840	248	65.3	58.1	--
PUSA Exp 1308	7.9	47.5	10.0	72.3	29.0	76.1	2.0	2.5	--	29.3	1895	241	64.0	57.7	--
<b>Green Cotyledon Type</b>															
Majoret	7.7	51.8	4.8	75.3	26.9	79.6	3.5	3.5	5.6	28.1	2229	204	64.5	56.9	49.7
Cruiser	7.0	49.5	7.5	73.3	25.4	76.1	1.8	2.8	5.1	27.7	2560	180	63.9	52.5	46.5
CDC Striker	8.0	51.3	5.3	74.3	23.5	56.6	4.8	4.8	6.2	26.8	2586	179	64.2	58.7	51.9
MEAN	8.2	49.0	7.4	73.5	27.0	84.5	1.4	2.1	--	28.1	2051	225.6	64.7	57.0	--
C.V. (%)	17.6	2.2	19.8	1.5	8.3	16.7	83.6	46.3	--	2.3	7.8	6.8	0.8	9.9	--
LSD 0.10	1.7	1.2	1.7	1.3	2.6	16.4	1.4	1.1	--	0.7	186	17.8	0.6	6.6	--
LSD 0.05	2.0	1.5	2.0	1.5	3.1	19.5	1.7	1.4	--	0.9	222	21.3	0.7	7.8	--

**Planting Date = May 10 ; Harvest Date = August 9 ; Previous Crop = Flax**

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

Variety	Plant Stand	Days to Bloom	Bloom Duration	Days to PM	Vine Length inch	Height Index <sup>1</sup> %	Lodge at PM 0 to 9	----- Harvest Ease <sup>2</sup> -----		Seed Protein %	Seeds/ Pound	1000 KWT gram	Test Weight lb/bu	----- Seed Yield -----	
								2013	3-yr. Avg.					2013	3-yr. Avg.
<b>Green Cotyledon Type</b>															
Pro 091-7137	6.4	48.0	9.0	73.0	22.5	79.0	2.5	3.0	--	27.3	2473	186	64.2	51.2	--
Greenwood	7.6	48.8	7.3	72.8	21.9	80.5	1.8	3.3	--	26.6	2307	198	65.3	52.0	--
Aragorn	7.8	45.3	10.5	70.3	22.9	74.6	2.8	3.5	5.8	28.8	2409	191	63.7	44.3	42.9
LN1103	9.0	50.5	4.5	76.0	27.6	83.7	0.5	1.0	2.8	28.5	1743	261	64.3	57.4	50.0
LN1115	8.0	50.0	6.5	75.5	26.6	93.6	0.3	1.3	3.8	28.3	1711	266	65.4	69.5	56.3
LN1123	9.2	52.0	6.3	76.0	25.4	84.0	1.0	2.0	--	27.6	2174	210	65.7	65.2	--
CDC Raezer	7.8	53.0	4.0	77.0	28.5	76.2	2.5	3.0	--	27.5	2085	218	64.5	61.4	--
Bluemoon	7.5	53.8	2.3	74.5	26.4	85.7	0.3	1.8	3.6	28.0	2003	227	64.6	60.0	56.2
K2	6.5	46.8	9.8	72.5	23.8	98.8	1.5	2.0	3.6	27.1	2130	214	64.8	52.4	47.6
SW Arcadia	8.4	50.3	5.8	73.0	22.8	62.3	3.0	3.5	6.1	27.7	2505	182	64.4	58.4	52.8
Shamrock	8.8	54.3	3.8	78.3	26.5	73.2	2.8	2.5	3.8	27.0	2412	195	64.3	49.9	45.2
Viper	10.3	45.5	10.0	72.5	27.0	75.4	2.3	3.0	--	28.3	2046	222	64.1	55.7	--
Matrix	6.6	54.5	2.0	78.0	23.8	100.0	0.3	2.0	--	27.7	1761	259	64.3	63.5	--
PUSA 12004	10.1	45.0	11.5	73.5	29.4	84.9	0.3	1.5	--	28.1	1969	231	65.3	58.3	--
PUSA Exp 1309	8.7	54.3	2.3	78.3	30.3	94.0	0.5	1.3	--	29.2	2170	209	63.9	40.1	--
PUSA Exp 1310	9.0	51.3	5.3	74.0	28.1	85.6	2.0	2.5	--	29.4	1965	232	64.7	52.0	--
PUSA Exp 1311	7.8	47.0	9.3	76.0	26.2	48.5	6.5	6.3	--	30.2	1494	305	63.4	49.1	--
MEAN	8.2	49.0	7.4	73.5	27.0	84.5	1.4	2.1	--	28.1	2051	225.6	64.7	57.0	--
C.V. (%)	17.6	2.2	19.8	1.5	8.3	16.7	83.6	46.3	--	2.3	7.8	6.8	0.8	9.9	--
LSD 0.10	1.7	1.2	1.7	1.3	2.6	16.4	1.4	1.1	--	0.7	186	17.8	0.6	6.6	--
LSD 0.05	2.0	1.5	2.0	1.5	3.1	19.5	1.7	1.4	--	0.9	222	21.3	0.7	7.8	--

**Planting Date = May 10 ; Harvest Date = August 9 ; Previous Crop = Flax**

<sup>1</sup> Harvest Index; Plant height at time of harvest relative to plant height at end of bloom.

<sup>2</sup> Harvest Ease scores; 0 = all plants upright ~ very easy harvest, to 9 = all plants flat ~ very difficult to harvest direct.