

**NDSU Carrington Research Extension Center
2017 Variety Trial Data**

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

Variety	Days to Bloom ¹	Bloom Duration	Days to PM ¹	Vine Length	Canopy Ht at Harvest	Height Index ²	Lodge at PM	-- Harvest Ease ³ --			Seed Protein	Seeds/1000 Pound	1000 KWT	-- Seed Yield --	
								2017	3-yr. Avg.	0 to 9				Test Weight	3-yr. Avg.
				inch	inch	%	0 to 9	----- 0 to 9 -----		%	gram	lb/bu	----- bu/ac -----		
Yellow Cotyledon Type															
Agassiz	50.0	15.3	78.7	32.2	27.3	86.0	0.0	0.3	2.2	25.5	2020	225	62.2	55.2	57.1
DS Admiral	51.7	12.0	77.3	26.8	23.9	89.4	0.0	0.0	1.9	25.8	1933	235	63.3	48.5	56.0
Spider	56.0	10.7	81.0	31.0	27.4	88.8	0.3	0.7	3.1	26.2	1966	231	62.8	36.6	44.9
Jetset	53.0	10.7	77.3	27.7	25.9	93.5	0.0	0.0	2.6	25.1	1855	245	63.1	46.0	50.1
Earlystar	51.3	13.5	77.8	29.7	26.7	89.8	0.5	0.8	3.0	24.4	2094	217	62.8	54.5	54.2
AAC Carver	54.8	10.8	78.8	27.9	26.8	96.1	0.0	0.0	2.2	24.3	1962	232	63.0	44.8	53.2
CDC Inca	56.8	9.8	80.5	28.7	26.6	92.4	0.0	0.0	--	25.7	2121	214	63.1	43.2	--
CDC Amarillo	57.8	9.3	81.5	32.1	28.1	87.9	0.0	0.0	1.3	25.3	2001	227	62.6	42.8	55.1
CDC Saffron	57.0	9.3	80.8	27.1	24.4	91.4	0.3	0.3	2.2	25.6	1978	230	63.1	43.7	50.0
Navarro	45.8	17.0	78.0	22.9	21.7	96.3	0.0	0.0	3.2	24.7	1777	256	62.8	47.8	46.7
Salamanca	52.8	12.0	78.8	34.3	28.0	82.0	0.0	0.5	2.1	25.8	1834	248	63.4	49.5	49.5
Bridger	49.8	14.0	77.8	26.4	24.1	92.9	0.0	0.0	1.6	24.9	2037	223	63.5	49.6	49.9
Gunner	53.5	12.3	79.0	30.5	26.3	87.7	0.0	0.8	--	25.7	2057	221	63.4	45.2	--
PSTSP27	48.5	15.3	78.3	30.2	25.6	84.9	0.3	0.5	--	25.9	1750	260	63.9	48.5	--
PP-0004	55.7	10.3	79.0	27.2	25.1	92.8	0.0	0.0	--	25.4	2007	227	63.5	48.6	--
PP-9132	57.3	8.3	79.0	28.1	26.2	94.3	0.0	0.0	--	25.7	2024	225	63.3	47.8	--
PP-0555	53.0	12.3	78.0	28.0	26.5	94.9	0.0	0.3	--	25.5	2240	203	64.1	49.9	--
PP-0667	53.3	12.0	78.7	30.3	26.1	86.0	0.0	0.3	2.4	25.4	2249	202	63.7	49.7	52.1
PG6150	53.0	12.7	77.3	30.8	28.5	92.3	0.0	0.0	--	25.8	2141	212	64.0	44.4	--
PG3308	55.0	10.0	78.0	26.5	24.1	91.1	0.0	0.0	--	24.8	2107	216	62.4	53.4	--
PG2601	54.0	10.0	77.7	26.8	23.9	89.5	0.0	0.0	--	25.4	2028	224	63.8	53.9	--
Hyline	55.7	9.7	79.7	30.7	26.0	86.3	0.0	0.0	4.1	25.2	1993	229	63.6	50.4	49.2
MP 1907	56.3	9.0	79.0	28.6	26.0	90.7	0.0	0.0	--	26.7	2019	225	63.2	50.3	--
MEAN	52.7	12.1	79.3	28.6	25.6	89.9	0.1	0.3	--	25.3	1972	233	63.0	47.4	--
C.V. (%)	2.2	11.6	1.3	11.4	9.3	9.5	319	213	--	2.1	3.2	3.3	1.1	14.3	--
LSD 0.10	1.4	1.6	1.2	3.8	2.8	NS	0.4	0.8	--	0.6	75	9	0.8	7.9	--
LSD 0.05	1.6	1.9	1.4	4.5	3.3	NS	0.5	1.0	--	0.7	89	11	1.0	9.4	--

Planting Date = May 2 ; Harvest Date = July 28 ; Previous Crop = Barley

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Variety	Days to Bloom ¹	Bloom Duration	Days to PM ¹	Vine Length	Canopy Ht at Harvest	Height Index ²	Lodge at PM	-- Harvest Ease ³ --			Seed Protein	Seeds/ Pound	1000 KWT	-- Seed Yield --			
								2017	3-yr. Avg.	0 to 9				Test Weight	3-yr. Avg.		
				inch	inch	%	0 to 9	-----	0 to 9	-----	%		gram	lb/bu	-----	bu/ac	-----
Yellow																	
Cotyledon Type																	
LGPN4906	50.0	14.3	77.3	27.4	25.2	92.4	0.0	0.0	--	25.2	1980	229	62.6	46.3	--		
LGPN4908	49.5	14.5	78.0	23.9	21.3	89.2	0.0	0.0	--	24.0	1949	233	63.3	50.7	--		
LGPN4909	48.5	15.3	78.8	27.4	26.3	97.3	0.0	0.0	--	24.8	1770	257	62.9	50.2	--		
LGPN4910	51.3	15.3	79.0	30.0	26.0	86.5	0.0	0.0	--	25.6	1990	228	62.4	50.6	--		
LG Amigo	52.8	11.8	78.5	25.2	22.8	91.0	0.0	0.0	--	24.6	2043	222	62.5	50.2	--		
Durwood	50.5	14.0	77.8	33.9	29.2	87.5	0.0	0.0	1.1	26.2	1948	233	63.7	47.3	50.6		
Korando	45.8	19.0	78.0	26.8	24.2	91.0	0.0	0.0	3.3	25.1	1690	269	62.9	49.5	45.6		
Mystique	55.0	11.3	80.5	31.0	28.7	93.1	0.3	0.3	1.5	25.3	1895	240	62.6	53.3	51.4		
Nette 2010	48.8	14.0	77.0	25.5	21.9	86.4	0.0	0.0	1.6	23.9	2036	223	63.2	50.5	51.1		
SW Midas	53.5	10.3	77.0	24.4	22.4	92.2	0.0	0.0	3.1	24.3	2265	201	62.9	45.8	47.2		
PUSA 0614	47.0	16.0	77.5	30.0	25.2	84.6	0.0	0.3	1.8	26.1	1961	232	63.5	50.6	48.2		
PUSA 1608	50.0	14.0	78.8	28.9	24.2	83.1	0.0	0.3	--	26.6	1830	248	63.9	56.9	--		
PUSA 1610	55.0	10.0	78.5	27.9	24.8	89.7	0.0	1.0	--	25.5	1844	246	63.3	48.8	--		
PUSA 1612	49.0	14.3	79.5	30.7	27.2	88.7	0.0	0.8	--	25.1	2144	212	63.6	47.8	--		
PUSA 1614	49.0	14.3	78.5	28.9	26.2	91.1	0.0	0.5	--	24.8	2035	223	63.7	50.0	--		
Majestic	55.0	9.3	79.0	29.3	27.4	93.7	0.0	0.0	--	26.0	1904	239	63.5	49.5	--		
Marquee	52.7	12.3	77.7	26.6	25.2	94.2	0.0	0.0	--	26.4	2420	188	63.1	42.1	--		
Pro 133-6248	46.0	16.3	78.0	26.0	24.1	93.0	0.0	0.0	--	24.4	1652	275	63.4	51.2	--		
Green																	
Cotyledon Type																	
Cruiser	50.3	15.7	79.0	28.7	23.5	82.0	0.0	1.0	3.6	26.3	2238	203	62.4	37.5	41.5		
CDC Greenwater	57.5	9.3	82.5	28.8	27.4	94.7	0.0	0.0	--	25.8	1979	229	62.8	43.7	--		
CDC Striker	49.3	14.0	78.0	24.5	20.7	85.6	0.3	0.7	5.3	24.9	2329	195	62.3	49.1	48.1		
MEAN	52.7	12.1	79.3	28.6	25.6	89.9	0.1	0.3	--	25.3	1972	233	63.0	47.4	--		
C.V. (%)	2.2	11.6	1.3	11.4	9.3	9.5	319	213	--	2.1	3.2	3.3	1.1	14.3	--		
LSD 0.10	1.4	1.6	1.2	3.8	2.8	NS	0.4	0.8	--	0.6	75	9	0.8	7.9	--		
LSD 0.05	1.6	1.9	1.4	4.5	3.3	NS	0.5	1.0	--	0.7	89	11	1.0	9.4	--		

Planting Date = May 2 ; Harvest Date = July 28 ; Previous Crop = Barley

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

Variety	Days to Bloom ¹	Bloom Duration	Days to PM ¹	Vine Length	Canopy Ht at Harvest	Height Index ²	Lodge at PM	-- Harvest Ease ³ --			Seed Protein	Seeds/1000 Pound	1000 KWT	-- Seed Yield --		
								2017	3-yr. Avg.	0 to 9				Test Weight	2017	3-yr. Avg.
				inch	inch	%	0 to 9	-----	0 to 9	-----	%	gram	lb/bu	-----	bu/ac	-----
Green Cotyledon Type																
Arcadia	52.7	11.7	78.3	24.3	21.5	88.7	0.0	0.0	4.8	24.7	2285	199	62.6	49.6	48.4	
AAC Comfort	59.8	6.8	84.8	26.8	25.6	95.8	1.0	1.0	--	25.8	1846	246	61.8	47.9	--	
Shamrock	58.0	8.0	82.0	28.6	26.6	93.1	0.8	1.3	--	24.9	2020	225	63.4	35.6	--	
PSTSP28	52.3	12.8	79.8	31.3	28.5	92.1	0.0	1.0	--	25.0	2131	213	63.4	48.2	--	
PSTSP29	56.3	10.0	82.8	35.6	31.3	87.4	1.5	2.0	--	25.2	1935	235	62.4	50.8	--	
PG8001	48.7	15.0	79.3	23.5	20.5	87.3	0.0	0.0	--	25.4	2184	208	62.8	40.1	--	
LGPN1904	56.0	10.3	81.3	35.4	33.1	93.4	0.3	0.3	--	24.8	2099	217	61.6	48.4	--	
LGPN1125	56.0	7.8	80.3	26.3	24.0	91.7	0.0	0.0	--	25.2	1798	253	63.1	47.1	--	
LGPN1906	49.0	13.8	79.5	31.1	26.4	85.0	0.0	0.5	--	24.4	1808	251	63.5	51.4	--	
LG Koda	56.0	9.3	80.0	29.1	25.2	86.3	0.0	0.3	--	24.0	1994	228	63.6	53.2	--	
Matrix	56.5	7.8	80.8	20.3	17.9	89.3	0.0	0.0	3.4	24.6	1818	251	63.2	44.7	50.4	
Viper	49.8	13.5	80.3	34.3	28.7	84.2	0.3	0.5	2.5	24.4	2144	212	63.0	43.9	46.7	
PUSA 1621	52.7	11.3	79.7	31.5	29.0	92.4	0.0	0.0	--	24.7	2242	203	62.8	44.3	--	
Bluemoon	55.3	8.0	78.7	28.1	24.4	87.7	0.0	0.0	2.6	26.0	1935	235	63.2	42.8	50.5	
Marrowfat Type																
Orka	49.0	15.3	81.3	27.9	23.2	82.9	1.0	2.3	--	25.3	1242	366	62.6	37.7	--	
PUSA 1536	56.3	10.3	83.5	31.3	30.1	96.5	0.0	0.5	--	27.8	1440	316	60.5	32.7	--	
MEAN	52.7	12.1	79.3	28.6	25.6	89.9	0.1	0.3	--	25.3	1972	233	63.0	47.4	--	
C.V. (%)	2.2	11.6	1.3	11.4	9.3	9.5	319	213	--	2.1	3.2	3.3	1.1	14.3	--	
LSD 0.10	1.4	1.6	1.2	3.8	2.8	NS	0.4	0.8	--	0.6	75	9	0.8	7.9	--	
LSD 0.05	1.6	1.9	1.4	4.5	3.3	NS	0.5	1.0	--	0.7	89	11	1.0	9.4	--	

Planting Date = May 2 ; Harvest Date = July 28 ; Previous Crop = Barley

¹ Crop development notes, equate to days from planting.

² Harvest Index: Plant height at time of harvest relative to plant height at end of bloom.

³ Harvest Ease scores: 0 = all plants upright; very easy harvest, to 9 = all plants flat; very difficult to harvest direct.