

**NDSU Carrington Research Extension Center
2020 Variety Trial Data**

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

Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Canopy Ht at Harvest	Lodge at PM	-- Harvest Ease ¹ -		Seed Protein %	Seeds/1000 Pound KWT	1000 Test Weight lb/bu	--- Seed Yield ---		
							2020	3-yr. Avg.				2020	3-yr. Avg.	
						0 to 9	0 to 9					bu/ac	bu/ac	
Yellow Cotyledon Type														
DS Admiral	Pulse USA	51.3	7.8	78.5	13.0	3.5	4.0	4.3	23.8	1748	260	62.4	35.1	42.9
Agassiz	Meridian Seeds	52.8	9.8	83.8	15.4	5.3	6.3	5.7	24.7	1719	264	61.5	39.8	43.9
CDC Amarillo	Meridian Seeds	55.0	7.5	85.5	14.8	4.3	4.3	3.5	25.0	1953	233	61.6	38.9	46.6
Durwood	Pulse USA	51.8	9.0	84.8	14.2	4.8	5.3	3.4	25.3	1789	254	62.1	34.3	43.3
ND Dawn	NDCIA	52.3	7.5	79.0	10.4	3.8	4.8	--	23.7	1810	251	61.9	31.9	--
AAC Profit	Birdsall Grain & Sec	54.3	8.3	80.8	13.0	3.5	5.3	4.3	24.1	1820	250	61.4	39.0	44.6
Majestic	JB Farms	53.5	6.5	83.0	15.8	3.0	3.3	2.3	25.6	1802	252	61.2	32.0	34.5
Orchestra	Legume Logic	50.8	9.5	89.5	13.0	5.3	6.3	--	26.2	2021	225	62.2	23.9	--
AAC Asher	Legume Logic	53.0	6.8	82.5	12.1	2.5	2.5	4.2	24.0	1679	271	61.9	43.3	44.1
CDC Dakota	Legume Logic	55.8	6.3	83.0	15.6	3.0	3.5	3.3	25.2	2227	204	62.8	40.2	50.1
AAC Chrome	Valesco	53.8	8.8	83.3	9.6	2.8	4.8	4.3	23.2	1787	254	61.7	43.6	40.7
Cronos	Valesco	48.8	8.3	86.5	14.2	4.0	4.5	--	25.6	1828	249	60.0	19.2	--
Hyline	Valesco	54.0	8.3	82.3	12.0	4.5	5.3	5.9	24.3	1839	247	61.5	37.6	40.1
Salamanca	Valesco	52.5	8.0	87.5	12.3	5.0	6.3	5.3	26.3	1758	258	62.1	30.0	31.9
DL Apollo	Pulse USA	53.3	8.3	84.3	14.1	5.0	6.0	--	25.6	1959	232	62.1	30.9	--
Korando	Pulse USA	46.3	11.5	84.0	12.7	5.8	5.5	5.4	26.1	1617	281	60.6	25.5	35.3
LG Amigo	Pulse USA	54.0	9.0	88.3	11.8	5.5	5.8	4.7	24.7	1836	247	61.9	27.0	36.8
LG Sunrise	Pulse USA	48.3	12.3	80.3	14.3	4.8	5.3	3.6	24.5	1868	243	62.6	33.8	48.3
Nette 2010	Pulse USA	50.8	8.0	78.3	11.5	5.3	6.0	4.1	23.5	1831	248	62.6	34.1	39.2
LGPN 4915	Pulse USA	50.3	8.8	85.0	12.3	3.8	5.0	--	25.6	2092	217	61.8	31.4	--
PSTSP39	Photosyntech	52.8	6.3	89.3	11.1	5.3	6.8	--	25.7	1806	252	61.0	31.0	--
MEAN		52.5	8.2	83.1	12.5	4.7	5.5	--	24.9	1841	249	61.7	34.6	--
C.V. (%)		1.3	11.5	2.4	21.5	25.6	20.1	--	2.7	3.4	3.4	0.7	11.7	--
LSD 0.10		0.8	1.1	2.3	3.1	1.4	1.3	--	0.8	73	10	0.5	4.7	--
LSD 0.05		0.9	1.3	2.7	3.7	1.7	1.5	--	0.9	87	12	0.6	5.6	--

Planting Date = April 30 ; Harvest Date = August 6 ; Previous Crop = Spring Wheat

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

Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Canopy Ht at Harvest	Lodge at PM	-- Harvest Ease ¹ -		Seed Protein %	Seeds/1000 Pound	1000 KWT	Test Weight lb/bu	--- Seed Yield ---	
							2020	3-yr. Avg.					2020	3-yr. Avg.
					inch	0 to 9	0 to 9	0 to 9		gram		bu/ac		
Yellow Cotyledon Type (cont.)														
PSTSP41	Photosyntech	48.8	10.8	79.3	11.6	6.0	6.0	--	24.9	1679	270	62.7	36.3	--
PSTSP43	Photosyntech	54.5	5.5	84.5	11.6	5.3	5.8	--	25.8	1596	285	62.0	36.7	--
PSTSP44	Photosyntech	53.3	9.3	79.8	9.5	5.5	7.5	--	22.9	2103	216	61.6	36.7	--
PST27	Photosyntech	50.8	10.0	83.5	11.7	5.5	5.5	--	25.5	1728	264	61.7	24.5	--
N13029-10	Limagrain	48.8	10.5	80.0	11.3	5.3	5.8	--	25.3	1679	270	61.5	27.7	--
N13068-1	Limagrain	51.3	8.0	80.0	12.0	4.8	4.8	--	25.3	1519	299	61.0	32.9	--
AAC Carver	Meridian Seeds	52.5	7.8	80.8	13.4	4.3	5.0	4.3	23.4	1806	252	61.5	34.0	42.2
CDC Saffron	Meridian Seeds	53.5	7.0	80.0	12.0	3.8	4.8	5.1	23.5	1932	235	62.3	39.0	41.3
CDC Inca	Meridian Seeds	54.3	8.0	80.5	14.3	3.5	4.0	3.8	23.9	1963	231	62.1	41.3	48.9
CDC Spectrum	Meridian Seeds	54.0	7.8	82.8	12.8	3.0	3.3	--	25.0	1800	252	61.7	40.5	--
Jetset	Meridian Seeds	53.0	5.8	82.0	13.8	4.5	4.3	3.5	25.2	1906	239	61.9	32.5	46.9
LG Equator	Meridian Seeds	50.0	11.3	85.5	10.8	4.0	4.3	--	26.1	2070	219	61.2	27.2	--
MS-19YP3	Meridian Seeds	50.5	10.0	79.3	13.4	4.8	4.8	--	24.6	1966	231	61.8	37.1	--
MS-20YP4	Meridian Seeds	55.0	7.8	85.8	13.0	2.5	3.3	--	24.7	1833	248	62.7	44.6	--
MS1705	Meridian Seeds	51.3	9.5	84.0	9.3	6.0	6.3	--	25.6	1553	292	60.8	36.1	--
MS-20Y1	Meridian Seeds	52.5	9.8	83.5	13.9	4.8	5.8	--	25.3	1691	269	61.4	39.5	--
MS-20Y2	Meridian Seeds	55.0	8.0	85.8	15.4	5.5	6.3	--	25.5	1758	258	61.9	40.4	--
MS20Y3	Meridian Seeds	51.5	8.3	84.8	12.9	5.8	6.8	--	25.4	1700	267	61.1	36.1	--
Kite	NDCIA	51.3	10.3	79.3	10.6	3.5	5.0	--	23.8	1821	249	61.8	36.3	--
Peregrine	NDCIA	48.3	12.0	78.3	11.4	4.8	6.5	--	24.2	1854	245	61.7	28.5	--
MEAN		52.5	8.2	83.1	12.5	4.7	5.5	--	24.9	1841	249	61.7	34.6	--
C.V. (%)		1.3	11.5	2.4	21.5	25.6	20.1	--	2.7	3.4	3.4	0.7	11.7	--
LSD 0.10		0.8	1.1	2.3	3.1	1.4	1.3	--	0.8	73	10	0.5	4.7	--
LSD 0.05		0.9	1.3	2.7	3.7	1.7	1.5	--	0.9	87	12	0.6	5.6	--

Planting Date = April 30 ; Harvest Date = August 6 ; Previous Crop = Spring Wheat

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

Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Canopy Ht at Harvest	Lodge at PM	--- Harvest Ease ¹ -		Seed Protein %	Seeds/1000 Pound KWT	1000 Test Weight	--- Seed Yield ---		
							2020	3-yr. Avg.				2020	3-yr. Avg.	
					inch	0 to 9	0 to 9		gram	lb/bu	bu/ac			
Green Cotyledon Type														
CDC Striker	Nodricks Norsask Se	53.8	5.5	87.0	14.5	4.5	5.3	5.5	25.5	2002	227	62.8	27.7	40.3
Aragorn	Great Northern Ag	49.3	9.3	76.5	7.7	6.8	7.5	--	25.1	1999	227	60.1	21.2	--
Arcadia	Pulse USA	51.8	7.5	80.0	9.9	5.5	6.8	7.8	24.5	2128	213	61.8	35.3	42.6
Greenwood	Great Northern Ag	50.3	7.0	79.0	10.4	6.8	7.8	--	25.4	2123	214	61.8	26.1	--
Hampton	NDCIA	53.8	6.8	81.8	7.0	7.3	8.5	--	25.6	1912	237	61.0	30.2	--
Bluemoon	JB Farms	52.3	6.5	80.3	12.8	5.3	6.8	4.9	24.9	1779	255	61.7	31.7	41.2
Empire	Valesco	54.0	9.0	83.5	14.1	4.3	5.0	4.0	25.6	1863	244	63.0	28.3	43.1
Shamrock	Valesco	55.0	7.5	82.0	14.3	5.5	7.0	4.8	25.1	1732	263	61.7	35.1	40.5
Majoret	Pulse USA	52.3	7.3	84.8	13.5	3.8	4.5	4.7	25.6	1999	227	62.6	27.8	39.8
PSTSP38	Photosyntech	48.3	12.0	82.5	11.7	6.3	6.8	--	24.9	1766	257	61.9	36.3	--
PSTSP42	Photosyntech	53.8	7.0	83.8	13.1	5.0	5.5	--	25.1	1846	246	61.6	38.0	--
N13073-17	Limagrain	52.5	7.0	87.0	9.8	5.5	5.8	--	25.7	1862	244	61.4	31.7	--
AAC Comfort	Meridian Seeds	56.3	6.8	88.3	12.3	5.0	6.5	5.8	24.1	1596	285	61.2	38.9	35.2
CDC Greenwater	Meridian Seeds	54.3	8.5	84.3	13.8	3.3	3.5	3.1	24.0	1776	256	62.0	44.4	48.0
Daytona	Meridian Seeds	52.3	6.0	84.8	13.8	4.8	5.8	--	25.5	1965	233	60.8	29.5	--
MS-20GP5	Meridian Seeds	54.0	6.0	81.5	14.4	4.0	5.0	--	24.2	1781	255	61.4	42.2	--
MS-20G1	Meridian Seeds	56.8	6.3	86.5	10.7	4.8	6.3	--	24.0	1674	272	61.7	42.3	--
Maple Type														
PSTSP40	Photosyntech	54.0	6.0	81.3	14.1	4.0	4.5	--	24.3	1925	236	62.2	38.1	--
MEAN		52.5	8.2	83.1	12.5	4.7	5.5	--	24.9	1841	249	61.7	34.6	--
C.V. (%)		1.3	11.5	2.4	21.5	25.6	20.1	--	2.7	3.4	3.4	0.7	11.7	--
LSD 0.10		0.8	1.1	2.3	3.1	1.4	1.3	--	0.8	73	10	0.5	4.7	--
LSD 0.05		0.9	1.3	2.7	3.7	1.7	1.5	--	0.9	87	12	0.6	5.6	--

Planting Date = April 30 ; Harvest Date = August 6 ; Previous Crop = Spring Wheat

¹ Harvest Ease scores; 0 = all plants upright ~ very easy harvest, to 9 = all plants flat ~ very difficult to harvest direct.

Local treatments of interest are not included. Statistics reflect the entire trial.