

**NDSU Carrington Research Extension Center
2021 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/ Pound	1000 KWT	Test Weight	---- Seed Yield ----	
							2021	3-yr. Avg.					2021	3-yr. Avg.
						inch	0 to 9	----- 0 to 9 -----	%	gram	lb/bu	----- bu/ac -----		
Yellow Cotyledon Type														
DS Admiral	Pulse USA	59.5	14.3	92.5	17.9	2.3	3.0	3.8	24.7	1802	252	62.3	21.5	36.2
Agassiz	Meridian Seeds	62.7	12.3	93.0	14.2	2.3	3.7	5.2	24.0	1913	237	62.2	22.0	35.1
CDC Amarillo	Meridian Seeds	62.3	12.3	95.3	17.6	1.5	1.8	3.2	24.8	1875	242	62.2	28.3	40.3
Durwood	Pulse USA	59.0	15.3	96.0	17.1	2.0	1.7	3.1	25.6	1878	242	62.2	20.4	36.8
EP_6360	Equinom	60.8	13.5	92.8	15.2	2.3	3.3	--	25.5	1835	247	60.9	17.8	--
EP_6381	Equinom	61.0	13.5	92.8	16.5	2.3	2.5	--	24.6	1986	229	62.1	23.8	--
EP_6816	Equinom	59.3	14.5	94.8	18.9	1.5	1.8	--	25.5	2004	227	61.8	21.2	--
EP_8272	Equinom	62.3	12.3	93.8	18.1	2.3	2.8	--	25.8	1889	240	61.7	21.7	--
EP_8506	Equinom	62.5	12.8	94.0	18.6	2.5	2.5	--	24.9	2074	219	62.3	19.4	--
EP_8971	Equinom	63.0	11.5	96.0	19.7	1.8	2.0	--	27.1	1663	273	62.1	22.8	--
EPX_6186	Equinom	62.0	10.3	94.3	16.3	1.7	2.3	--	24.9	1833	248	62.7	21.5	--
Cronos	Valesco Genetics	56.5	15.8	96.8	16.8	2.3	2.0	--	26.2	1759	258	62.2	14.9	--
Salamanca	Valesco Genetics	61.0	13.3	93.5	16.3	1.3	2.0	3.9	25.9	1786	254	61.6	24.5	30.5
AAC Chrome	Valesco Genetics	62.3	11.3	94.5	14.1	2.8	3.0	4.2	23.6	1884	242	62.8	21.6	33.1
Spider	Valesco Genetics	59.0	15.8	95.5	16.5	2.0	2.3	--	25.6	1782	255	62.4	20.6	--
LG Stunner	Pulse USA	57.0	16.7	92.7	15.2	2.0	2.0	--	25.8	1973	230	62.8	17.6	--
DL Apollo	Pulse USA	58.8	14.5	94.8	15.8	2.0	2.0	3.4	25.7	2033	223	63.2	18.6	29.3
MEAN		59.9	13.9	93.8	16.4	2.1	2.8	--	24.8	1878	243	62.3	22.2	--
C.V. (%)		1.9	10.7	1.4	20.8	32.0	26.7	--	2.6	2.8	2.8	0.8	30.1	--
LSD 0.10		1.3	1.7	1.5	NS	0.8	0.9	--	0.7	62	8	0.6	7.8	--
LSD 0.05		1.6	2.1	1.8	NS	0.9	1.0	--	0.9	74	10	0.7	9.3	--

Planting Date = April 21 ; Harvest Date = August 2 ; Previous Crop = Forage Barley

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Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Canopy Ht at Harvest	Lodge at PM	--- Harvest Ease ¹ ---		Seed Protein	Seeds/ Pound	1000 KWT	Test Weight	---- Seed Yield ----	
							2021	3-yr. Avg.					2021	3-yr. Avg.
						inch	0 to 9	----- 0 to 9 -----	%	gram	lb/bu	----- bu/ac -----		
Yellow Cotyledon Type														
LG Sunrise	Pulse USA	62.0	12.5	94.3	20.6	1.3	1.5	3.1	24.0	2000	227	62.8	23.6	40.6
Korando	Pulse USA	55.0	18.3	95.5	17.4	2.3	2.5	4.3	25.6	1667	273	61.9	21.5	30.3
AAC Carver	Meridian Seeds	59.5	14.5	91.5	17.5	1.5	1.8	3.6	22.8	1873	242	62.3	34.1	39.8
CDC Inca	Meridian Seeds	60.0	14.8	93.5	18.4	1.8	1.8	3.3	23.8	2006	226	62.7	27.8	43.2
CDC Spectrum	Meridian Seeds	60.3	14.5	95.0	15.3	1.5	1.8	2.8	24.8	1826	249	62.4	26.5	38.8
MS-20YP4	Meridian Seeds	62.3	12.8	94.5	18.6	1.5	1.3	--	24.1	1858	245	63.0	30.7	--
DL GrowPro	Meridian Seeds	62.0	13.0	95.0	19.0	1.3	1.7	--	25.1	1629	279	61.5	26.4	--
PG 2601	Pulse Genetics	61.3	13.3	91.7	15.9	1.7	3.0	--	24.9	1945	234	62.3	23.0	--
AAC Profit	Premier Genetics LL	59.0	14.5	93.3	14.1	1.3	2.5	4.1	24.1	1780	255	62.1	29.7	40.7
AAC Asher	Premier Genetics LL	60.0	13.8	93.5	14.4	1.8	4.3	4.3	24.2	1680	271	62.5	27.3	37.5
Orchestra	Premier Genetics LL	59.5	15.0	95.0	16.3	2.3	2.5	--	26.6	1780	255	62.0	20.9	--
PG Cash	Premier Genetics LL	59.5	14.0	93.8	16.6	2.3	3.0	--	25.0	1880	242	62.1	20.6	--
M 118	Premier Genetics LL	57.3	14.8	91.3	15.0	3.5	4.5	--	24.9	1655	274	62.3	17.9	--
M 122	Premier Genetics LL	61.0	12.5	95.8	17.0	1.5	2.3	--	25.8	1692	268	62.0	16.6	--
SG-L 8963	Premier Genetics LL	60.8	13.5	94.0	12.5	2.3	2.3	--	26.2	1921	236	62.7	19.9	--
SG-L 9086	Premier Genetics LL	63.3	11.8	94.3	17.0	2.3	2.8	--	24.0	1830	248	62.1	25.4	--
MEAN		59.9	13.9	93.8	16.4	2.1	2.8	--	24.8	1878	243	62.3	22.2	--
C.V. (%)		1.9	10.7	1.4	20.8	32.0	26.7	--	2.6	2.8	2.8	0.8	30.1	--
LSD 0.10		1.3	1.7	1.5	NS	0.8	0.9	--	0.7	62	8	0.6	7.8	--
LSD 0.05		1.6	2.1	1.8	NS	0.9	1.0	--	0.9	74	10	0.7	9.3	--

Planting Date = April 21 ; Harvest Date = August 2 ; Previous Crop = Forage Barley

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							2021	3-yr. Avg.					2021	3-yr. Avg.
						inch	0 to 9	----- 0 to 9 -----	%	gram	lb/bu	----- bu/ac -----		
Yellow Cotyledon Type														
ND Dawn	NDCISA	59.0	13.5	93.0	14.6	2.5	3.3	3.8	24.0	1852	245	62.3	21.9	34.8
Peregrine	NDCISA	56.8	16.3	92.0	14.6	3.3	6.3	--	24.9	1841	247	62.5	14.1	--
Kite	NDCISA	56.8	16.0	93.3	14.2	3.8	6.0	--	24.6	1768	257	62.4	16.1	--
Green Cotyledon Type														
CDC Striker	Nodricks Norsask Se	58.0	14.8	93.0	15.3	3.3	4.8	4.8	23.9	2129	213	63.0	21.5	32.6
Aragorn	Great Northern Ag	57.5	16.0	92.5	16.8	2.3	3.8	--	24.7	2114	215	61.8	21.4	--
Arcadia	Pulse USA	56.8	15.5	92.3	14.7	3.5	4.5	6.6	23.6	2148	212	62.4	22.4	33.9
Greenwood	Great Northern Ag	57.0	14.0	91.3	14.0	3.3	5.3	--	24.2	2025	225	62.6	21.6	--
Shamrock	Valesco Genetics	59.5	15.0	93.5	16.5	2.0	2.0	4.3	24.0	1968	231	62.6	22.1	37.5
Empire	Valesco Genetics	60.0	14.5	94.5	19.8	1.8	1.8	3.3	24.7	2067	220	63.5	19.7	36.0
CDC Greenwater	Meridian Seeds	62.0	12.5	95.5	16.0	1.5	2.3	3.0	24.2	1926	236	62.2	25.5	40.2
MS-20GP5	Meridian Seeds	62.0	12.5	94.5	16.4	2.0	2.3	--	24.0	1857	245	61.9	26.9	--
MEAN		59.9	13.9	93.8	16.4	2.1	2.8	--	24.8	1878	243	62.3	22.2	--
C.V. (%)		1.9	10.7	1.4	20.8	32.0	26.7	--	2.6	2.8	2.8	0.8	30.1	--
LSD 0.10		1.3	1.7	1.5	NS	0.8	0.9	--	0.7	62	8	0.6	7.8	--
LSD 0.05		1.6	2.1	1.8	NS	0.9	1.0	--	0.9	74	10	0.7	9.3	--

Planting Date = April 21 ; Harvest Date = August 2 ; Previous Crop = Forage Barley

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