

**NDSU Carrington Research Extension Center  
2019 Variety Trial Data**

**Field Pea**

**Carrington (Page 1 of 3)**

Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Canopy Height	Lodge at PM	--- Harvest Ease <sup>1</sup> ---			Fusarium Wilt <sup>2</sup>	1000 KWT	Test Weight	--- Seed Yield ---	
							2019	3-yr. Avg.	% Affected				2019	3-yr. Avg.
		days	days		in.	0-9	0 to 9		%	gram	lb/bu	%	bu/ac	
<b>Yellow Cotyledon Type</b>														
Agassiz	Meridian Seeds	59.0	18.0	95.3	22.8	3.8	5.8	3.7	14.8	233.9	63.8	25.43	43.7	49.1
DS Admiral	Pulse USA	59.8	12.0	92.5	19.7	3.5	4.3	2.9	12.3	247.0	66.2	24.90	51.9	47.4
Spider	Valesco Genetics	61.0	14.3	93.0	20.9	4.5	5.3	3.2	48.8	215.6	65.9	25.70	28.7	38.5
Hampton	USDA	59.8	14.0	94.3	11.5	8.8	9.0	--	9.5	225.3	65.2	27.10	42.2	--
AAC Carver	Meridian Seeds	59.3	15.0	93.3	24.5	3.0	4.0	2.7	13.8	235.5	65.6	23.88	51.3	45.8
AC Earlystar	Meridian Seeds	60.3	15.8	93.0	23.1	4.3	5.8	4.4	10.0	223.4	65.7	23.93	53.2	49.6
CDC Amarillo	Meridian Seeds	61.5	15.5	95.0	28.0	2.8	3.5	2.1	9.8	238.0	64.6	25.35	53.7	47.9
CDC Saffron	Meridian Seeds	61.3	12.3	93.5	19.7	4.5	5.3	3.6	22.5	233.7	65.3	25.63	42.0	42.8
CDC Inca	Meridian Seeds	62.3	12.8	93.5	22.3	3.5	4.0	2.4	12.5	232.4	66.5	25.60	60.4	49.6
CDC Spectrum	Meridian Seeds	62.0	13.5	95.5	27.5	2.5	3.5	--	11.3	240.9	63.7	25.53	49.5	--
Jetset	Meridian Seeds	59.8	9.5	91.8	25.2	2.8	2.5	2.1	6.8	236.6	65.8	25.40	58.5	51.4
AAC Chrome	Valesco Genetics	60.5	13.5	93.3	23.6	3.8	4.8	--	37.5	221.7	65.6	24.50	34.0	--
Bridger	Valesco Genetics	58.8	16.0	94.0	26.1	3.5	3.5	2.3	16.3	239.0	66.3	25.55	56.6	51.3
Hyline	Valesco Genetics	61.3	14.8	93.5	17.7	5.8	7.5	4.2	13.3	228.3	66.1	24.45	46.0	44.4
Navarro	Valesco Genetics	54.0	17.3	92.3	20.4	2.8	2.8	3.4	32.5	254.9	65.0	25.58	38.6	40.4
Salamanca	Valesco Genetics	61.8	12.8	93.8	27.3	2.8	3.5	3.3	23.8	253.5	65.9	25.93	36.8	38.4
Majestic	JB Farms	61.3	12.5	93.5	29.2	2.0	1.8	1.3	20.0	251.6	65.6	26.53	33.8	40.4
LGPN4909	Limagrain	55.0	17.5	93.3	18.9	2.3	2.8	2.4	23.8	258.1	64.8	25.53	46.8	46.2
LGPN4913	Limagrain	59.0	15.5	93.3	22.6	3.3	3.5	--	18.8	246.6	66.6	26.43	48.7	--
LGPN4915	Limagrain	57.8	16.3	93.8	29.9	2.3	2.8	--	7.0	240.2	66.0	27.50	56.4	--
N13022-7	Limagrain	56.5	18.0	94.3	24.8	2.5	2.0	--	22.5	265.7	66.0	26.38	46.0	--
N13029-10	Limagrain	56.0	16.8	94.5	27.6	4.8	6.3	--	16.3	273.9	65.6	25.95	51.0	--
N13068-1	Limagrain	61.0	11.5	92.8	25.5	2.0	3.5	--	15.5	282.5	66.2	24.35	51.9	--
N13057-4	Limagrain	55.5	16.0	93.0	26.0	2.8	3.3	--	23.8	223.7	65.6	26.08	42.1	--
Mean		59.8	13.9	93.6	23.6	3.5	4.3	--	17.7	243.1	65.6	25.63	47.1	--
C.V. (%)		1.0	9.8	0.9	18.1	31.2	30.9	--	53.4	4.8	1.2	2.4	14.6	--
LSD (0.10)		0.7	1.6	1.0	5.0	1.3	1.6	--	11.0	13.8	0.9	0.71	8.0	--
LSD (0.05)		0.8	1.9	1.2	6.0	1.5	1.9	--	13.2	16.4	1.1	0.84	9.6	--

**Planting Date = April 24; Harvest Date = August 2; Previous Crop = Spring Wheat**

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**Field Pea**

**Carrington (Page 2 of 3)**

Variety	Brand	Days to Bloom	Bloom Duration days	Days to PM	Canopy Height in.	Lodge at PM 0-9	--- Harvest Ease <sup>1</sup> ---		Fusarium Wilt <sup>2</sup> % Affected	1000 KWT gram	Test Weight lb/bu	--- Seed Yield ---		
							2019	3-yr. Avg.				2019	3-yr. Avg.	
<b>Yellow Cotyledon Type</b>														
N13057-5	Limagrain	60.0	15.3	93.8	23.0	4.5	5.3	--	30.0	242.3	65.5	26.90	41.0	--
AAC Asher	Legume Logic	61.3	12.3	93.3	17.6	4.5	6.0	--	32.5	242.0	65.7	24.68	42.0	--
CDC Dakota	Legume Logic	64.3	11.8	94.8	26.7	2.8	4.3	--	2.0	233.9	66.8	25.58	66.0	--
Astronaute	Legume Logic	59.8	14.0	93.0	25.6	1.5	1.5	--	23.8	253.3	65.7	25.58	44.4	--
AAC Profit	Birdsall Seed and Grain	62.8	12.0	94.3	21.6	3.3	4.5	--	16.8	225.5	64.8	26.13	53.4	--
DL Apollo	Pulse USA	60.3	10.8	93.0	21.8	2.3	2.3	--	22.5	216.8	66.3	27.30	38.3	--
Durwood	Pulse USA	59.0	14.8	94.3	30.7	2.3	2.3	1.7	8.5	259.9	65.5	26.10	55.6	47.7
Korando	Pulse USA	54.5	16.8	93.0	24.0	3.5	4.8	3.6	33.8	267.1	65.2	27.05	43.9	43.4
LG Amigo	Pulse USA	60.5	12.0	93.0	22.8	2.0	2.5	2.8	20.0	234.8	64.6	25.78	44.0	44.5
LG Sunrise	Pulse USA	56.0	19.5	93.8	29.1	1.8	2.5	--	6.0	246.9	66.7	24.75	64.3	--
Mystique	Pulse USA	60.8	15.3	93.8	28.8	2.0	2.5	2.6	12.5	251.9	65.0	25.05	49.3	44.3
Nette 2010	Pulse USA	57.0	14.0	90.5	20.5	2.0	1.5	2.1	26.3	235.2	66.9	24.23	45.1	44.7
SW Midas	Pulse USA	61.3	13.8	93.8	26.0	4.8	6.8	3.4	23.8	202.6	65.0	25.18	45.8	45.3
Pro 133-6243	Pulse USA	55.5	16.8	92.5	19.4	4.8	6.3	4.2	40.0	254.5	65.5	25.78	39.5	41.6
Pro 093-7410	Pulse USA	56.3	19.3	94.5	16.1	6.8	8.0	--	15.5	219.5	65.5	24.23	44.1	--
LGPN 4915	Pulse USA	58.3	15.3	93.8	29.4	2.3	2.3	--	5.0	235.5	65.2	27.80	61.4	--
SSR Exp 01	Star Specialty Seed	57.8	15.8	93.3	25.4	3.0	3.8	--	22.5	280.4	65.9	27.35	41.6	--
<b>Green Cotyledon Type</b>														
Arcadia	Pulse USA	59.5	12.8	92.3	12.6	6.8	8.5	5.5	16.3	199.8	65.9	23.83	44.1	47.4
Cruiser	Pulse USA	57.5	16.8	93.5	17.5	5.5	6.3	4.5	7.3	213.8	64.9	26.45	42.8	40.5
CDC Striker	Nodricks Norsask Seed	61.8	11.3	92.8	20.8	3.5	4.3	4.0	4.5	240.8	66.3	27.58	48.6	47.4
AAC Comfort	Meridian Seeds	65.5	7.8	93.8	18.7	5.5	7.3	4.0	25.0	229.7	64.4	24.63	40.7	38.2
CDC Greenwater	Meridian Seeds	63.0	13.8	95.3	26.8	2.3	3.3	--	7.0	235.9	64.8	24.55	50.9	--
Shamrock	Valesco Genetics	63.0	10.3	93.3	24.0	2.0	4.0	2.9	5.0	255.3	66.4	25.73	55.3	40.7
Mean		59.8	13.9	93.6	23.6	3.5	4.3	--	17.7	243.1	65.6	25.63	47.1	--
C.V. (%)		1.0	9.8	0.9	18.1	31.2	30.9	--	53.4	4.8	1.2	2.4	14.6	--
LSD (0.10)		0.7	1.6	1.0	5.0	1.3	1.6	--	11.0	13.8	0.9	0.71	8.0	--
LSD (0.05)		0.8	1.9	1.2	6.0	1.5	1.9	--	13.2	16.4	1.1	0.84	9.6	--

**Planting Date = April 24; Harvest Date = August 2; Previous Crop = Spring Wheat**

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**Field Pea**

**Carrington (Page 3 of 3)**

Variety	Brand	Days to Bloom	Bloom Duration days	Days to PM	Canopy Height in.	Lodge at PM 0-9	--- Harvest Ease <sup>1</sup> ---		Fusarium Wilt <sup>2</sup> % Affected	1000 KWT gram	Test Weight lb/bu	--- Seed Yield ---		
							2019	3-yr. Avg.				2019	3-yr. Avg.	
<b>Green Cotyledon Type</b>														
Empire	Valesco Genetics	61.3	14.0	95.0	33.0	1.8	3.0	--	0.5	238.4	67.1	25.03	60.2	--
Bluemoon	JB Farms	60.5	11.5	92.8	23.2	3.0	3.8	2.7	5.5	253.7	65.6	24.40	52.1	44.9
LN1131	Limagrain	58.0	15.5	93.0	21.1	5.3	5.8	--	36.3	265.0	65.4	25.85	39.7	--
12CP3032	Limagrain	62.0	11.3	94.0	21.9	3.8	4.5	--	32.5	272.8	65.3	24.53	36.9	--
N13073-19	Limagrain	55.0	17.8	93.8	22.5	4.5	5.0	--	35.0	254.6	65.8	26.18	41.5	--
N13073-17	Limagrain	62.0	11.5	93.5	25.8	2.5	2.5	--	15.0	255.0	65.0	25.83	50.9	--
LG Koda	Pulse USA	62.8	11.0	93.8	22.9	4.3	6.0	4.4	21.3	225.0	66.1	24.23	37.4	40.1
Majoret	Pulse USA	61.0	11.3	93.3	22.8	4.0	4.8	--	10.0	245.5	66.1	27.05	52.7	--
Viper	Pulse USA	58.8	13.0	93.8	27.8	3.0	3.5	3.2	12.5	240.9	65.4	26.48	44.2	39.6
<b>Marrowfat</b>														
DL Pioneer	Pulse USA	62.8	10.3	96.3	30.7	2.5	3.5	--	15.0	313.9	63.4	26.80	28.5	--
Mean		59.8	13.9	93.6	23.6	3.5	4.3	--	17.7	243.1	65.6	25.63	47.1	--
C.V. (%)		1.0	9.8	0.9	18.1	31.2	30.9	--	53.4	4.8	1.2	2.4	14.6	--
LSD (0.10)		0.7	1.6	1.0	5.0	1.3	1.6	--	11.0	13.8	0.9	0.71	8.0	--
LSD (0.05)		0.8	1.9	1.2	6.0	1.5	1.9	--	13.2	16.4	1.1	0.84	9.6	--

**Planting Date = April 24; Harvest Date = August 2; Previous Crop = Spring Wheat**

<sup>1</sup>Harvest Ease scores: 0 = all plants upright and easy to harvest; 9 = all plants flat on the ground and difficult to harvest

<sup>2</sup>Scores indicate an estimate of the % of plants affected by Fusarium wilt as rated at end bloom