

**NDSU Carrington Research Extension Center
2018 Variety Trial Data**

Field Pea

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Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Height at Harvest	Lodge at PM	--- Harvest Ease ¹ ---		Root Disease ²	Test Weight	1000 Seed	---- Seed Yield ----		
							2018	3-yr. Avg.				2018	3-yr. Avg.	
		Bloom	days	to PM	in	0-9	0 - 9	% affected	lb/bu	g/1000	%	bu/ac		
Yellow Cotyledon Type														
Agassiz	Meridian Seeds	49.3	15.5	81.0	23.3	3.5	5.0	2.1	3.0	65.5	224	24.75	48.4	46.4
DS Admiral	Pulse USA	49.8	14.0	80.8	21.6	3.5	4.5	2.2	1.8	66.0	228	23.85	41.8	41.5
Spider	Great Northern Ag	51.3	12.8	81.3	24.4	2.3	3.8	2.8	2.8	66.3	240	24.60	50.3	38.2
Jetset	Meridian Seeds	48.8	13.0	78.3	25.1	3.3	3.8	1.7	3.0	65.8	234	25.15	49.6	40.4
Earlstar	Meridian Seeds	50.8	13.5	79.5	23.9	5.0	6.8	3.7	3.0	66.3	197	23.38	41.1	41.8
AAC Carver	Meridian Seeds	50.8	12.8	80.0	21.0	3.3	4.0	2.2	3.3	66.3	227	22.03	41.3	39.0
CDC Inca	Meridian Seeds	52.0	12.3	81.5	23.5	2.8	3.3	--	3.5	65.9	217	25.08	45.2	--
CDC Amarillo	Meridian Seeds	52.0	12.5	82.3	28.4	1.8	2.8	1.3	2.5	65.7	212	23.80	47.2	41.3
CDC Saffron	Meridian Seeds	51.3	11.3	79.3	20.2	3.8	5.3	2.9	4.3	66.1	216	23.85	42.8	39.2
Bridger	Great Northern Ag	48.5	14.5	79.3	22.9	2.0	3.3	1.8	4.5	66.5	221	23.28	47.6	40.3
Hyline	Great Northern Ag	51.8	12.5	80.8	20.5	4.0	5.0	3.7	6.0	65.9	225	23.50	36.8	37.1
Navarro	Great Northern Ag	45.5	17.5	79.0	20.5	5.8	7.3	3.5	13.0	65.6	242	25.55	34.7	35.0
Salamanca	Great Northern Ag	51.3	12.5	80.3	21.5	5.0	6.0	2.8	10.8	66.2	239	26.63	29.0	33.3
AAC Asher	Legume Logic	50.0	12.8	81.0	20.8	2.3	4.0	--	3.8	65.8	240	23.80	47.0	--
CDC Dakota	Legume Logic	54.5	9.5	82.3	25.1	1.3	2.3	--	1.0	65.1	204	24.80	44.2	--
AAC Chrome	Legume Logic	52.0	12.3	82.0	20.8	2.3	3.5	--	4.5	65.8	215	23.40	44.5	--
AAC Profit	Birdsall Grain	53.0	11.3	81.3	24.9	2.0	3.3	--	9.5	65.8	207	23.03	41.4	--
Majestic	JB Farms	51.8	12.3	81.5	25.7	1.8	2.0	0.9	3.8	65.4	228	25.40	37.8	36.7
LGPN4906	Limagrain	47.0	16.5	80.0	23.9	1.3	2.3	1.2	1.0	65.9	234	24.25	60.1	44.3
LGPN4909	Limagrain	46.8	16.0	80.5	21.5	2.8	4.3	--	3.8	65.9	257	24.28	41.6	--
LGPN4908	Limagrain	46.8	16.3	80.0	22.7	2.0	2.8	--	5.5	65.9	240	23.83	46.9	--
LGPN4249	Limagrain	50.8	13.3	81.3	28.6	3.0	4.0	--	6.0	64.8	267	24.78	40.5	--
Mean		50.0	13.5	80.2	22.5	3.6	4.7	--	5.5	65.9	224	24.22	40.9	--
C.V. (%)		1.6	7.1	1.3	11.4	29.2	24.3	--	108.5	0.5	3.5	4.6	12.0	--
LSD (0.10)		0.9	1.1	1.2	3.0	1.2	1.3	--	7.0	0.4	9	1.31	5.7	--
LSD (0.05)		1.1	1.3	1.5	3.6	1.4	1.6	--	8.4	0.5	11	1.57	6.8	--

Planting Date = May 2; Harvest Date = July 27; Previous Crop = Spring Wheat

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Variety	Brand	Days to Bloom	Bloom Duration	Days to PM	Height at Harvest	Lodge at PM	--- Harvest Ease ¹ ---		Root Disease ²	Test Weight	1000 Seed	----- Seed Yield -----		
							2018	3-yr. Avg.				2018	3-yr. Avg.	
			days		in	0-9	0 - 9	% affected	lb/bu	g/1000	%	bu/ac		
Yellow Cotyledon Type														
LGPN4912	Limagrain	48.5	14.3	78.5	22.1	6.0	7.0	--	15.5	67.0	227	24.10	35.2	--
LGPN4913	Limagrain	49.5	14.0	79.5	22.2	4.5	4.8	--	7.8	66.4	237	25.38	48.6	--
LGPN4915	Limagrain	47.3	16.0	80.0	24.6	2.0	2.8	--	3.0	65.6	227	26.38	49.4	--
SW Midas	Pulse USA	51.0	12.5	79.0	24.5	2.5	3.5	2.3	3.8	65.7	200	21.93	44.2	37.7
Korando	Pulse USA	45.3	18.5	79.8	23.2	4.8	6.0	3.3	8.0	66.0	260	25.08	36.6	37.0
Mystique	Pulse USA	51.8	12.5	81.0	21.2	3.8	5.0	2.2	6.5	65.6	225	24.33	30.3	36.6
Nette 2010	Pulse USA	47.8	14.5	78.8	20.7	3.5	4.8	2.1	4.3	66.8	234	22.85	38.4	39.5
Durwood	Pulse USA	50.8	13.3	82.0	24.5	2.3	2.8	1.3	4.5	65.9	233	24.30	40.1	39.8
LG Amigo	Pulse USA	50.3	13.0	80.8	21.1	4.5	5.8	--	8.8	65.3	219	24.25	39.2	--
LG Sunrise	Pulse USA	49.5	15.0	81.5	24.2	2.0	3.0	--	0.3	66.3	222	23.00	46.7	--
Pro 133-6243	Pulse USA	46.5	16.3	79.0	22.3	5.3	6.3	--	10.0	66.0	250	24.88	34.1	--
PG6150	Pulse USA	50.0	14.0	80.3	21.7	3.3	4.0	--	3.0	66.3	214	25.05	42.3	--
PG3308	Pulse USA	50.5	13.0	80.0	20.5	2.5	4.3	--	5.0	65.4	222	24.48	48.4	--
PG2601	Pulse USA	50.3	13.3	79.5	20.6	2.5	3.3	--	2.5	66.6	216	24.75	48.0	--
Salamanca 2/3 rate		51.3	12.8	79.3	22.4	5.5	6.3	--	26.8	66.1	234	25.68	26.9	--
Green Cotyledon Type														
Cruiser	Pulse USA	49.3	14.0	78.5	22.4	4.5	6.3	3.3	5.0	65.1	203	25.53	41.2	31.4
CDC Striker	Nodricks Norsask S	49.5	13.5	79.8	19.6	5.0	7.0	5.2	2.0	66.2	199	22.70	44.6	37.1
Arcadia	Pulse USA	48.8	14.0	78.8	18.7	6.3	8.0	4.9	2.3	65.9	200	24.15	48.5	39.8
AAC Comfort	Meridian Seeds	53.8	10.8	82.0	23.7	2.5	3.8	--	5.8	64.9	212	22.98	25.9	--
CDC Greenwater	Meridian Seeds	52.3	12.3	83.3	25.5	1.8	2.5	--	1.8	65.6	236	22.98	48.9	--
Shamrock	Great Northern Ag	52.5	11.8	82.3	24.8	2.8	3.5	--	3.8	65.5	230	25.15	31.1	--
Mean		50.0	13.5	80.2	22.5	3.6	4.7	--	5.5	65.9	224	24.22	40.9	--
C.V. (%)		1.6	7.1	1.3	11.4	29.2	24.3	--	108.5	0.5	3.5	4.6	12.0	--
LSD (0.10)		0.9	1.1	1.2	3.0	1.2	1.3	--	7.0	0.4	9	1.31	5.7	--
LSD (0.05)		1.1	1.3	1.5	3.6	1.4	1.6	--	8.4	0.5	11	1.57	6.8	--

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							2018	3-yr. Avg.				2018	3-yr. Avg.	
			days		in	0-9	0 - 9	% affected	lb/bu	g/1000	%	bu/ac		
Green Cotyledon Type														
Bluemoon	JB Farms	51.5	10.5	80.3	21.9	3.0	4.3	2.2	3.3	65.8	229	23.10	39.7	37.2
LGPN1125	Limagrain	51.8	11.3	81.3	24.4	2.3	3.0	--	1.8	65.4	269	24.58	42.7	--
LGPN1131	Limagrain	48.5	14.5	79.8	22.3	2.0	3.0	--	5.3	65.7	252	24.90	45.4	--
Pro 121-7126	Progene	49.0	13.8	78.0	19.0	4.5	6.8	--	4.8	66.0	221	22.68	38.6	--
LG Koda	Pulse USA	52.5	10.8	78.3	21.4	5.5	7.0	--	22.0	66.6	199	22.25	29.6	--
Majoret	Pulse USA	52.0	12.0	81.5	20.4	4.0	4.8	--	3.3	66.0	221	26.25	38.8	--
Viper	Pulse USA	47.5	15.5	80.0	23.0	4.8	5.5	2.8	3.5	64.7	220	26.13	30.6	32.7
Banner	Pulse USA	45.8	17.0	78.3	21.3	7.0	8.0	--	6.8	65.9	195	22.90	31.4	--
Ginny	Pulse USA	49.3	13.3	78.5	18.1	6.3	7.5	--	5.3	66.1	198	23.80	34.9	--
Greenwood	Pulse USA	48.8	13.5	77.3	17.5	7.0	8.0	--	13.0	66.4	192	23.53	29.7	--
PG7048	Pulse USA	51.3	13.0	81.0	20.4	4.3	5.0	--	3.0	65.4	197	23.73	36.8	--
Mean		50.0	13.5	80.2	22.5	3.6	4.7	--	5.5	65.9	224	24.22	40.9	--
C.V. (%)		1.6	7.1	1.3	11.4	29.2	24.3	--	108.5	0.5	3.5	4.6	12.0	--
LSD (0.10)		0.9	1.1	1.2	3.0	1.2	1.3	--	7.0	0.4	9	1.31	5.7	--
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¹Harvest Ease scores: 0 = all plants upright and easy to harvest; 9 = all plants flat on the ground and difficult to harvest

²Root disease scores indicate an estimate of the % of plants affected by primarily aphanomyces root rot as rated at end bloom