

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

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

Variety	Days to Bloom	Bloom Duration	Days to PM	Vine Length cm	Canopy Ht at Harvest cm	Height Index ¹ %	---- Harvest Ease ² ---		Seed Protein %	Seeds/ Pound	1000 KWT gram	-- Seed Yield --		
							2011 0 - 9	3-yr. Avg.				Test Weight lb/bu	3-yr. Avg. bu/ac	
Yellow Cotyledon Type														
Agassiz	55.5	18.3	85.5	91	26	29	7.3	3.6	25.7	2656	172	63.0	42.6	56.6
Audit	56.0	18.8	87.0	98	35	35	5.5	--	25.8	2346	194	63.7	38.7	--
Avantgarde	53.8	17.0	84.0	89	29	32	6.5	--	25.1	2357	193	63.6	38.7	--
Bridger	55.3	15.8	84.3	97	28	29	5.3	--	24.6	2627	174	63.0	47.2	--
CDC Centennial	56.0	16.3	83.8	75	10	13	8.8	6.9	24.5	2448	185	63.4	35.4	56.6
CDC Golden	56.5	17.5	86.0	88	25	28	7.3	4.3	26.2	2990	153	63.8	28.2	52.9
CDC Meadow	57.0	16.8	84.8	88	21	23	6.8	3.3	25.0	3051	149	63.9	37.7	53.2
CDC Treasure	56.3	16.0	83.7	89	25	28	6.3	--	24.2	2618	174	64.3	46.0	--
DS Admiral	56.5	15.0	83.0	90	24	27	6.8	3.8	24.1	2513	181	64.2	44.1	54.4
Gunner	56.3	16.3	85.3	88	25	28	6.8	--	25.3	2862	160	63.0	37.0	--
Korando	53.7	19.3	86.0	90	27	30	6.3	4.2	25.8	2233	203	62.5	40.0	54.0
LN 4217	57.8	14.8	85.8	89	28	31	5.8	--	24.6	3342	137	63.2	29.7	--
LN4206	55.0	16.0	85.3	97	31	32	5.8	--	24.4	2392	190	62.7	45.0	--
Midas	57.5	14.8	84.3	89	21	23	7.8	4.2	24.4	2878	158	63.2	37.8	53.1
PST 1	55.8	16.3	86.5	88	26	30	7.8	--	25.5	2315	196	63.6	37.4	--
PST 3	56.5	16.3	88.3	104	30	29	6.8	--	25.8	2298	199	62.6	35.7	--
PST 7	57.8	15.5	86.8	98	29	30	6.8	--	24.9	2597	176	63.8	41.3	--
PUSA 09003	56.5	17.5	88.3	94	33	35	5.0	2.6	26.1	2614	174	62.8	32.0	51.2
PUSA 10002	53.8	18.0	86.0	98	28	29	5.8	--	24.8	2587	176	63.8	49.1	--
PUSA 10003	55.8	17.0	86.5	102	31	31	4.3	--	24.7	2427	188	63.6	48.3	--
PUSA 10011	57.0	14.5	87.5	88	24	27	6.3	--	24.8	2426	193	64.0	42.4	--
PUSA 10012	56.8	16.4	85.2	93	27	29	6.8	--	24.7	2814	161	62.7	38.5	--
MEAN	56.2	16.1	85.6	89.1	24.4	27.4	6.7	--	25.1	2617	177	63.2	38.7	--
C.V. (%)	0.9	6.8	1.3	6.7	16.7	17.1	9.8	--	1.8	6.7	6.8	1.2	12.7	--
LSD 0.05	0.7	1.5	1.5	8.2	5.6	6.5	0.9	--	0.6	242	16.7	1.0	6.8	--

Planting Date = May 5 ; Harvest Date = August 5 ; Previous Crop = Spring Wheat

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

Variety	Days to Bloom	Bloom Duration	Days to PM	Vine Length cm	Canopy Ht at Harvest cm	Height Index ¹ %	---- Harvest Ease ² ---		Seed Protein %	Seeds/ Pound	1000 KWT gram	-- Seed Yield --		
							2011 0 - 9	3-yr. Avg.				Test Weight lb/bu	3-yr. Avg. bu/ac	
PUSA 11001	52.0	21.0	88.0	91	26	28	6.3	--	27.4	2872	159	62.4	37.3	--
PUSA 11001-2	52.3	18.5	84.3	85	22	26	6.8	--	25.3	2278	199	62.7	45.9	--
PUSA 11002	53.8	15.3	82.8	86	24	27	6.8	--	27.4	3073	149	62.9	39.0	--
PUSA 11003	55.3	15.5	85.8	91	28	31	5.8	--	26.0	2609	174	62.8	38.0	--
Spider	56.8	17.0	86.3	98	21	21	6.8	3.6	25.8	2496	182	63.6	43.6	58.0
Thunderbird	60.8	14.0	88.0	90	24	27	6.3	3.3	25.4	2925	156	63.3	33.6	49.8
Torch	58.0	12.8	87.3	86	25	30	5.8	--	25.3	2386	190	63.6	40.5	--
Trapeze	55.5	16.8	85.8	80	26	32	7.8	4.4	25.5	2375	192	62.5	37.7	55.3
Vegas	56.3	15.8	87.3	92	31	33	6.0	--	25.1	2374	192	63.4	41.8	--
Marrowfat														
PUSA 11004	55.3	16.3	85.3	89.3	23.0	26.2	7.0	--	24.0	1803	252	62.7	24.4	--
PUSA 11005	54.8	17.5	86.3	92.5	23.0	24.5	7.3	--	24.2	2003	228	62.4	32.9	--
Green Cotyledon Type														
Aragorn	54.5	18.0	81.5	91.5	20.0	21.9	8.3	5.4	25.2	2951	154	61.4	31.7	43.7
Bluemoon	56.8	14.5	85.5	82.5	25.0	30.7	6.5	--	25.0	2487	184	63.9	45.4	--
CDC Patrick	58.0	16.8	85.0	83.0	23.0	27.9	7.0	4.9	25.2	3628	126	63.2	30.1	49.8
CDC Striker	57.3	13.3	86.8	84.5	22.0	26.2	7.0	3.4	25.2	2526	180	63.7	40.2	51.2
Cruiser	56.0	17.3	83.8	82.5	23.0	27.5	7.5	5.0	25.0	3038	150	62.5	31.6	49.1
Daytona	57.3	12.8	84.5	82.0	20.0	24.4	7.5	--	25.2	2308	199	63.5	45.6	--
Emerald	55.3	14.3	83.8	86.5	19.0	22.0	7.0	3.8	25.3	2530	180	62.7	45.1	54.8
K2	53.8	16.5	82.8	79.5	19.0	23.7	7.0	3.9	23.8	2579	176	63.8	38.4	49.7
LN 1103	57.0	13.8	86.3	84.0	30.0	35.3	5.8	--	24.2	2497	184	63.9	34.6	--
MEAN	56.2	16.1	85.6	89.1	24.4	27.4	6.7	--	25.1	2617	177	63.2	38.7	--
C.V. (%)	0.9	6.8	1.3	6.7	16.7	17.1	9.8	--	1.8	6.7	6.8	1.2	12.7	--
LSD 0.05	0.7	1.5	1.5	8.2	5.6	6.5	0.9	--	0.6	242	16.7	1.0	6.8	--

Planting Date = May 5 ; Harvest Date = August 5 ; Previous Crop = Spring Wheat

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Field Pea

Carrington (Page 3 of 3)

Variety	Days to Bloom	Bloom Duration	Days to PM	Vine Length cm	Canopy Ht at Harvest cm	Height Index ¹ %	---- Harvest Ease ² ---		Seed Protein %	Seeds/ Pound	1000 KWT gram	-- Seed Yield --		
							2011	3-yr. Avg.				Test Weight lb/bu	3-yr. Avg. bu/ac	
LN 1116	55.7	15.7	87.3	88.7	23.0	26.3	6.7	--	25.9	2388	190	62.2	38.2	--
LN1115	56.5	16.0	87.8	87.5	23.0	26.5	7.0	--	25.2	2416	188	63.3	38.7	--
Majoret	56.3	14.5	86.3	87.0	24.0	27.7	7.5	5.2	25.2	2471	184	63.4	42.9	53.9
Matrix	58.3	14.0	87.3	88.0	23.0	25.9	6.3	3.9	23.8	2504	184	63.6	44.9	54.3
PST 5	55.0	19.0	87.0	93.5	29.0	31.2	6.0	--	24.1	2515	181	64.0	41.0	--
PST 9	57.3	15.3	84.8	93.0	21.0	22.9	7.3	--	25.4	2374	192	63.8	41.5	--
SW 741	58.0	16.5	88.8	86.0	22.0	25.7	6.8	--	26.4	2985	153	61.9	25.6	--
SW Arcadia	56.3	15.0	83.8	80.0	14.0	17.8	8.0	5.4	24.4	2819	161	62.2	40.0	56.7
Shamrock	58.8	14.5	88.0	92.0	27.0	28.9	6.3	3.6	25.0	2537	179	62.8	36.5	55.7
MEAN	56.2	16.1	85.6	89.1	24.4	27.4	6.7	--	25.1	2617	177	63.2	38.7	--
C.V. (%)	0.9	6.8	1.3	6.7	16.7	17.1	9.8	--	1.8	6.7	6.8	1.2	12.7	--
LSD 0.05	0.7	1.5	1.5	8.2	5.6	6.5	0.9	--	0.6	242	16.7	1.0	6.8	--

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This trial was impacted by a hail storm on July 24, effect on varieties determined as minor.

¹ Height Index; Plant height at time of harvest relative to plant height at end of bloom.

² Harvest Ease scores; 0 = all plants upright ~ very easy harvest, to 9 = all plants flat ~ very difficult to harvest direct.