

2018 Field Pea Variety Yield Trial at Minot (No Till)

North Central Research Extension Center

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Variety	Days to Flower	Days to Maturity	Vine Length	Pods/ Peduncle	Pod Height	Seed Protein	1000 Seed Weight	Seeds/ Pound	Test Weight	Seed Yield	
	DAP ¹	DAP ¹	cm	#	cm	%	g	#	lb/bu	lb/A	bu/A
Green Cotyledon											
PSTSP29	51	87	68	2	51	27	251	1823	64.9	3682	61.4
PSTSP13	51	85	74	2	60	26	269	1692	65.6	3467	57.8
CDC Greenwater	49	84	73	2	54	25	234	1940	65.3	3458	57.6
Viper	46	84	76	1	57	26	206	2440	64.3	3414	56.9
LG Koda	50	82	65	2	49	24	226	2014	64.7	3399	56.7
CDC Dakota	54	83	72	2	57	29	218	2090	64.9	3361	56.0
PSTSP30	48	83	69	2	52	27	220	2067	65.7	3200	53.3
Arcadia	47	80	58	2	42	24	195	2327	64.3	3145	52.4
Shamrock	52	84	69	2	53	25	217	2096	65.7	3114	51.9
PSTSP28	48	82	70	2	51	26	213	2133	64.6	3103	51.7
AAC Comfort	55	87	62	2	52	25	252	1804	64.6	3083	51.4
Bluemoon	48	80	67	1	47	25	241	1882	64.4	3047	50.8
PSTSP31	49	84	76	2	58	26	222	2051	64.2	3028	50.5
Hampton	50	85	63	2	46	28	208	2184	64.2	2980	49.7
CDC Striker	48	82	64	1	47	24	208	2186	64.7	2845	47.4
Cruiser	47	83	74	2	53	25	200	2278	64.1	2794	46.6
Majoret	52	87	64	2	43	27	222	2046	65.3	2769	46.1
Yellow Cotyledon											
PSTSP34	48	81	76	2	54	26	211	2164	65.8	3717	62.0
PSTSP27	46	78	65	2	44	26	274	1669	65.0	3670	61.2
PSTSP7	49	82	73	2	60	25	239	1898	65.4	3645	60.8
PSTSP32	51	85	81	2	64	27	234	1942	65.3	3583	59.7
LG Sunrise	46	81	71	2	50	24	226	2010	65.4	3573	59.5
AAC Carver	48	80	62	2	49	23	233	1952	65.1	3570	59.5
Mystique	50	84	68	2	45	25	245	1852	65.1	3546	59.1
Majestic	50	85	76	2	56	25	255	1781	65.6	3538	59.0
Bridger	46	81	61	2	43	25	221	2055	64.8	3519	58.6
Nette 2010	46	82	66	2	48	24	240	1890	66.4	3514	58.6
Salamanca	50	81	71	2	55	26	247	1838	65.4	3469	57.8
AAC Chrome	49	83	62	2	37	25	218	2085	63.5	3462	57.7
Agassiz	48	83	67	2	49	26	230	1975	64.7	3458	57.6
Navarro	45	81	61	2	46	26	262	1739	64.7	3433	57.2
Spider	49	84	67	2	55	26	242	1878	65.4	3383	56.4
PSTSP35	50	85	81	2	51	26	217	2095	65.2	3381	56.4
Earlystar	48	79	65	2	44	23	200	2268	64.6	3354	55.9
CDC Amarillo	50	82	70	2	51	24	226	2020	65.6	3353	55.9

SW Midas	49	81	60	2	43	24	187	2430	64.9	3343	55.7
AAC Asher	49	82	58	2	45	25	250	1818	65.0	3327	55.4
DS Admiral	47	83	65	2	45	25	250	1820	65.6	3242	54.0
PSTSP33	49	82	62	2	48	25	239	1910	65.2	3213	53.5
CDC Inca	53	84	69	2	55	25	218	2092	65.9	3170	52.8
Durwood	50	84	70	2	58	25	234	1953	65.3	3153	52.5
CDC Saffron	50	81	53	2	45	25	238	1908	65.6	3122	52.0
Hyline	50	84	64	2	46	24	239	1905	64.9	3098	51.6
Jetset	47	82	67	2	55	26	238	1913	65.1	3055	50.9
LG Amigo	48	85	69	1	45	26	235	1930	64.8	2880	48.0
AAC Profit	51	85	72	2	50	28	204	2234	64.7	2837	47.3
Trial Mean	49	83	67	2	50	25	230	1995	65.0	3295	54.9
CV	2.8	2.8	15.3	22.0	15.1	3.5	6.4	9.1	1.1	12.7	12.7
LSD 5%	2	3	12	0	9	1	17	211	0.8	488	8.1
LSD 10%	1	2	9	0	7	1	13	164	0.6	380	6.3

¹ Days after planting

² Lodging: 0 = none, 9 = lying flat on the ground.

Planting date: 4/30/2018

Harvest Date: 8/1/2018

Previous Crop: Hard Red Spring Wheat

Seed Sources	Birdsall Grain	Great Northern Ag	Legume Logic	Meridian Seeds
	Nodricks Norsask Seeds Ltd.	JB Farms	Pulse USA	USDA-ARS

Yield rankings (High to Low)					
1	PSTSP34	17	Navarro	33	CDC Saffron
2	PSTSP29	18	Viper	34	Shamrock
3	PSTSP27	19	LG Koda	35	PSTSP28
4	PSTSP7	20	Spider	36	Hyline
5	PSTSP32	21	PSTSP35	37	AAC Comfort
6	LG Sunrise	22	CDC Dakota	38	Jetset
7	AAC Carver	23	Earlstar	39	Bluemoon
8	Mystique	24	CDC Amarillo	40	PSTSP31
9	Majestic	25	SW Midas	41	Hampton
10	Bridger	26	AAC Asher	42	LG Amigo
11	Nette 2010	27	DS Admiral	43	CDC Striker
12	Salamanca	28	PSTSP33	44	AAC Profit
13	PSTSP13	29	PSTSP30	45	Cruiser
14	AAC Chrome	30	CDC Inca	46	Majoret
15	Agassiz	31	Durwood		
16	CDC Greenwater	32	Arcadia		