

Nebraska Pea Variety Test - 2016: Lincoln Co. Rainfed

Planting Date: April 8, 2016

Harvest Date: July 12, 2016

Brand	Variety	Yield rank	Yield (lbs/a)	Yield (*bu/a)	Test weight (lbs/bu)	1000 seeds weight (g)	Seeds /lb	Seed protein (%)	Flowering start (DAP**)	Flowering end (DAP)	Flowering period (days)	Physiological maturity (DAP)	Plant height at harvest (inches)	Emergence %
Pulse USA	Nette 2010	1	2786	46	65	184	2462	25	59	69	10	87	26	73
Meridian	CDC Amarillo	2	2701	45	63	202	2248	26	65	72	7	92	29	73
Legume Logic	Gunner	3	2370	40	62	182	2496	26	61	70	9	88	29	78
Meridian	Jetset	4	2260	38	63	198	2291	26	60	69	8	87	27	70
Great Northern	Bridger	5	2246	37	62	196	2320	26	58	68	10	87	28	70
Arrowseed	Montech 4193	6	2206	37	60	186	2435	25	62	70	9	87	26	78
Great Northern	Navarro	7	2206	37	60	228	1989	26	59	68	9	91	28	63
Pulse USA	Mystique	8	2181	36	60	202	2248	26	62	70	9	88	29	78
Pulse USA	Durwood	9	2161	36	62	203	2240	26	62	70	7	91	30	68
Pulse USA	DS-Admiral	10	2087	35	64	203	2232	26	59	68	9	87	27	70
Legume Logic	Hyline	11	2047	34	60	201	2254	26	62	69	8	88	24	73
Meridian	CDC Saffron	12	1968	33	63	198	2288	26	65	72	7	91	25	55
Pulse USA	Korando	13	1874	31	61	219	2071	27	60	68	8	87	26	75
Great Northern	Salamanca	14	1766	29	61	218	2081	27	62	70	8	89	29	60
Meridian	AAC Carver	15	1748	29	64	213	2130	24	66	72	7	90	29	60
Meridian	AC Earlystar	16	1607	27	61	177	2566	25	60	70	10	86	28	68
Great Northern	Spider	17	1589	26	58	194	2344	27	63	72	9	89	27	60
Pulse USA	Abarth	18	1536	26	58	215	2110	25	62	70	8	89	28	60
Pulse USA	SW Midas	19	1342	22	60	164	2766	25	63	71	8	88	24	65
Average of all entries			2036	34	61	199	2279	26	61	70	9	88	27	68
Difference required for significance at 5%			517	9	3	9	9	1	1	1	1	1	4	16

*1 bu = 60 lbs

**DAP = Days After Planting

Trial summary:

- 1 Trial location: UNL's Central Research and Extension Center (in North Platte) Lincoln Co.
- 2 Trial was planted on no-till ground on pea stubble
- 3 Herbicide: 1.5 oz/ac optill 24 oz roundup pre plant
- 4 Seeding rate: 350,000 live seeds/acre
- 5 Seeds were inoculated with granular pea inoculum at the time of planting
- 6 Plot: 5 ft x 25 ft with 10 inches row-spacing
- 7 Total precipitation during the growing period: 13.10 inches
- 8 Post-planting spray (e.g. herbicides, fungicides): None
- 9 Yield loss (10-15%) and significant lodging were from lack of weed control