

Nebraska Pea Variety Test - 2016: Perkins Co. Rainfed

Planting Date: April 8, 2016

Harvest Date: July 21, 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 late pod (inches)	Plant height at harvest (inch)	Lodging at harvest (%)	Emergence %
Meridian	AAC Carver	1	2102	35	62	211	2147	24	63	81	18	92	18	13	65	73
Legume Logic	Majestic	2	2076	35	61	201	2254	26	63	82	19	90	19	13	78	75
Pulse USA	SW Midas	3	2066	34	61	188	2416	25	63	82	19	88	16	13	88	78
Legume Logic	MP 1907	4	2042	34	62	221	2057	27	63	83	20	93	16	13	70	83
Pulse USA	DS-Admiral	5	1898	32	60	209	2173	25	62	82	20	89	16	13	88	80
Pulse USA	Mystique	6	1880	31	59	203	2240	26	62	81	19	95	19	11	100	85
Pulse USA	Durwood	7	1868	31	61	204	2229	26	62	80	18	96	20	13	100	85
Meridian	CDC Saffron	8	1753	29	61	205	2213	26	62	83	21	88	17	11	88	73
Legume Logic	Marquee	9	1710	29	60	170	2668	26	60	82	22	88	15	10	95	88
Great Northern	Spider	10	1651	28	61	208	2183	27	63	82	19	96	17	12	95	75
Great Northern	Salamanca	11	1633	27	59	212	2137	26	62	82	20	89	18	12	98	85
Meridian	Jetset	12	1623	27	61	206	2205	26	62	82	21	91	19	11	88	83
Legume Logic	Gunner	13	1602	27	61	184	2469	25	61	82	21	91	18	11	98	80
Arrowseed	Montech 4193	14	1597	27	60	213	2130	25	62	82	20	88	17	10	100	83
Legume Logic	Hyline	15	1570	26	60	222	2043	25	62	80	19	92	18	11	98	78
Meridian	AC Earlystar	16	1476	25	60	197	2303	25	62	80	19	92	15	11	95	85
Great Northern	Navarro	17	1468	24	60	235	1934	26	61	81	20	94	17	12	90	78
Pulse USA	Korando	18	1433	24	59	231	1968	27	61	82	21	93	17	12	98	78
Great Northern	Bridger	19	1408	23	60	201	2254	26	61	81	20	88	17	11	90	88
Pulse USA	Nette 2010	20	1333	22	61	194	2338	25	61	82	21	88	16	10	83	80
Pulse USA	Abarth	21	1252	21	59	226	2012	25	62	81	19	90	16	12	88	75
Average of all entries			1688	28	60	207	2191	26	62	81	19	91	17	12	90	80
Difference required for significance at 5%			363	6	2	11	9	1	1	1	1	5	2	3	14	11

*1 bu = 60 lbs

**DAP = Days After Planting

Trial summary:

- 1 Trial location: West of Brandon, NE on Hwy 23 and Road 316 (Perkins Co.)
- 2 Trial was planted on no-till ground on wheat 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 strong storms before harvest