

Nebraska Pea Variety Test - 2016: Scotts Bluff Co.Irrigated

Planting Date: April 11, 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 (inches)	Lodging at harvest (%)	Emergence %
Pulse USA	SW Midas	8	2389	40	61	210	2160	25	61	71	10	91	18	14	64	65
Pulse USA	Nette 2010	1	3457	58	61	244	1857	25	61	69	8	90	22	15	56	78
Pulse USA	Mystique	4	2909	48	60	238	1906	25	61	74	13	92	22	18	39	75
Pulse USA	Korando	10	2379	40	61	248	1827	27	59	69	10	90	17	14	45	68
Pulse USA	Durwood	5	2700	45	60	234	1943	27	61	73	12	93	20	18	33	73
Pulse USA	DS-Admiral	3	2995	50	62	238	1908	26	61	69	8	90	19	16	43	68
Pulse USA	Abarth	12	2286	38	61	249	1822	26	62	69	8	90	18	16	44	73
Meridian	Jetset	2	3122	52	61	240	1888	27	61	69	8	89	19	17	23	80
Meridian	CDC Saffron	7	2511	42	63	231	1964	26	63	70	8	91	18	13	61	70
Meridian	CDC Amarillo	6	2696	45	61	224	2025	25	62	72	10	93	21	20	18	85
Meridian	AC Earlystar	16	2003	33	61	222	2043	25	61	74	13	90	22	18	39	78
Meridian	AAC Carver	15	2104	35	60	234	1938	24	62	70	8	91	23	16	33	65
Legume Logic	Hyline	9	2384	40	63	242	1874	23	62	72	11	92	19	13	76	68
Great Northern	Spider	14	2281	38	61	240	1892	26	62	74	13	93	20	15	53	85
Great Northern	Salamanca	11	2315	39	61	245	1853	26	62	72	10	91	20	17	45	78
Great Northern	Navarro	13	2281	38	63	256	1775	26	58	71	13	92	19	17	33	83
Great Northern	Bridger	17	1813	30	61	226	2005	26	60	69	9	90	18	14	76	73
Average of all entries			2507	42	61	236	1922	26	61	71	10	91	20	16	46	74
Difference required for significance at 5%			1026	17	3	16	9	1	2	3	1	2	3	3	26	12

*1 bu = 60 lbs

**DAP = Days After Planting

Trial summary:

- 1 Trial location: UNL's Panhandle Research and Extension Center (Scotts Bluff Co.)
- 2 Trial was planted tilled ground (previous crop: corn/sunflower)
- 3 Herbicide: 1.5 oz/ac optill 24 oz roundup pre plant
- 4 Seeding rate:410,00 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: 8.63 rainfall + 4.36 irrigation= 12.99 inches
- 8 Post-planting spray (e.g. herbicides, fungicides): None
- 9 Yield loss (10-15%) and significant lodging heavy wind storms before harvest