

# Nebraska Pea Variety Test - 2016: Scotts Bluff Co. Rainfed

Planting Date: April 11, 2016

Harvest Date: July 21, 2016

Brand	Variety	Yield rank	Yield (lbs/a)	Yield (*bu/a)	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 %
Meridian	CDC Saffron	1	1495	25	230	1976	27	62	69	8	90	17	15	20	90
Meridian	Jetset	2	1244	21	228	1989	25	61	69	8	88	14	13	26	88
Meridian	AC Earlystar	3	1133	19	232	1959	25	61	69	8	88	18	13	51	75
Pulse USA	Nette 2010	4	1054	18	226	2005	26	61	69	8	86	16	12	49	83
Pulse USA	SW Midas	5	1002	17	220	2064	25	60	66	6	84	16	11	45	80
Pulse USA	Korando	6	841	14	220	2062	26	60	70	10	86	18	12	44	83
Great Northern	Navarro	7	800	13	256	1774	26	59	67	8	85	15	13	40	75
Pulse USA	Abarth	8	741	12	233	1947	26	60	68	8	86	16	12	35	78
Great Northern	Spider	9	677	11	230	1972	26	60	69	9	84	17	12	46	80
Pulse USA	Durwood	10	673	11	218	2078	26	61	66	5	84	15	12	35	75
Pulse USA	Mystique	11	664	11	225	2016	26	57	64	7	83	14	11	36	73
Legume Logic	Hyline	12	599	10	227	1996	25	61	69	8	86	15	13	49	83
Great Northern	Bridger	13	443	7	203	2237	25	59	68	9	83	14	12	53	73
Meridian	CDC Amarillo	14	412	7	199	2282	25	60	69	10	84	17	10	78	78
Pulse USA	DS-Admiral	15	328	5	238	1910	25	60	67	7	83	15	12	73	78
Meridian	AAC Carver	16	321	5	224	2023	26	61	67	6	84	15	6	90	65
<b>Average of all entries</b>			<b>761</b>	<b>13</b>	<b>223</b>	<b>2034</b>	<b>26</b>	<b>60</b>	<b>68</b>	<b>8</b>	<b>85</b>	<b>15</b>	<b>12</b>	<b>50</b>	<b>77</b>
<b>Difference required for significance at 5%</b>			<b>541</b>	<b>9</b>	<b>15</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>24</b>	<b>13</b>

\*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: 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: 8.63 inches
- 8 Post-planting spray (e.g. herbicides, fungicides): None
- 9 Yield loss (10-15%) and significant lodging heavy wind storms before harvest