

Nebraska Pea Variety Test - 2015: Cheyenne Co. Rainfed

Planting Date: April 6, 2015

Harvest Date: July 24, 2015

Brand	Variety	Yield rank	*Yield (bu/a)	Bushel weight (lbs/bu)	1000 seeds weight (g)	Flowering start (DAP**)	Flowering end (DAP)	Flowering period (days)	Max plant height before senescence (inches)	Plant height at harvest (inches)	Lodging %
Pulse USA	SW Midas	1	18	59	222	70	84	15	29	14	53
University of Saskatchewan	CDC Meadow	2	17	61	226	68	83	15	32	19	41
Pulse USA	Durwood	3	17	60	246	68	82	14	36	22	20
Great Northern Ag.	Spider	4	16	61	253	69	84	15	33	19	46
Meridian Seed	Jetset	5	16	60	235	69	78	9	29	20	35
Legume Logic	Trapeze	6	16	60	240	69	84	15	33	16	61
University of Saskatchewan	CDC Amarillo	7	16	60	245	73	84	11	38	24	6
Meridian Seed	AAC Carver	8	16	60	248	69	79	10	35	20	51
Pulse USA	Nette 2010	9	15	61	228	68	78	10	31	18	34
Meridian Seed	AC Agassiz	10	15	59	240	72	85	14	31	20	28
University of Saskatchewan	CDC Saffron	11	15	58	252	72	80	7	24	23	13
Meridian Seed	AC Earlystar	12	15	59	217	68	84	16	36	15	89
Arrowseed	Montech 4152	13	14	59	261	68	81	14	31	20	26
Pulse USA	DS-Admiral	14	14	59	237	69	83	14	33	18	50
Great Northern Ag.	Bridger	15	14	60	240	68	79	11	32	22	48
Pulse USA	Abarth	16	13	60	245	68	79	11	34	19	53
Pulse USA	Mystique	17	13	58	244	69	85	17	36	20	35
Pulse USA	Viper	18	12	58	226	67	78	11	31	16	63
Legume Logic	Hyline	19	12	60	252	69	84	16	31	13	86
Great Northern Ag.	Salamanca	20	12	59	253	69	79	10	35	19	56
Arrowseed	Montech 4193	21	11	60	244	70	79	9	31	18	58
Great Northern Ag.	Navarro	22	10	60	184	66	78	12	28	14	81
Average of all entries			14	59	238	69	81	12	32	18	47
Difference required for significance at 5%			4	2	39	1	3	3	6	4	31

*Yield at 10% moisture basis and 1 bu = 60 lbs

**DAP = Days After Planting

Trial summary:

- 1 Trial location: UNL's High Plains Ag. Lab (near Sidney, NE) in Cheyenne Co.
- 2 Trial was planted on no-till ground on proso millet 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 7.5 inches row-spacing
- 7 Total precipitation during the growing period: 15.69 inches
- 8 Post-planting spray (e.g. herbicides, fungicides): None
- 9 Yield loss (10-15%) and significant lodging were from a hail-storm few days before harvesting