

## 2018 Pea Variety Trial at HPAL (Cheyenne Co.)\_Rainfed (1801)

Planting Date: March 26, 2018

Harvest Date: July 13, 2018

Brand	Variety	Yield rank	Entry	*Yield (lbs/a)	*Yield (bu/a)	Test wt (lbs/bu)	Flowering 50% (DAP)	Height @ harvest (inch)	Physiological Maturity (DAP)	Seed protein (%)
Great Northern Ag.	AAC Profit	1	12	3118	52	61	77	21	101	23
Meridian Seeds	AAC Carver	2	4	2903	48	61	77	22	99	20
Meridian Seeds	CDC Inca	3	6	2876	48	62	78	22	100	23
Meridian Seeds	CDC Saffron	4	8	2822	47	61	76	19	98	21
Meridian Seeds	Jetset	5	2	2802	47	62	77	22	98	23
Great Northern Ag.	Salamanca	6	15	2579	43	63	77	23	99	23
Montana Integrity	Polancos	7	34	2566	43	61	72	25	100	21
Great Northern Ag.	Bridger	8	13	2566	43	63	74	20	99	21
Meridian Seeds	Agassiz	9	1	2561	43	60	77	22	100	22
Legume Logic	CDC Dakota	10	9	2532	42	61	78	22	101	25
Meridian Seeds	CDC Spectrum	11	5	2530	42	59	75	20	101	22
Pulse USA	Nette 2010	12	27	2480	41	63	76	20	99	22
Meridian Seeds	AC Earlystar	13	3	2471	41	62	76	21	101	21
Pulse USA	Durwood	14	23	2459	41	60	78	24	101	23
Great Northern Ag.	Navarro	15	14	2441	41	61	76	20	99	22
Great Northern Ag.	Spider	16	16	2429	40	61	76	21	100	22
Meridian Seeds	CDC Amarillo	17	7	2407	40	61	75	21	101	23
Pulse USA	DS-Admiral	18	22	2334	39	63	76	23	98	22
Pulse USA	LG Sunrise	19	25	2321	39	61	76	25	100	22
Arrowseed	Montech 4152	20	20	2288	38	62	77	21	100	21
Great Northern Ag.	Shamrock	21	17	2287	38	61	76	20	100	23
Pulse USA	SW Midas	22	26	2245	37	63	74	19	99	22
Great Northern Ag.	Hyline	23	18	2241	37	63	75	19	99	21
Arrowseed	Montech 4193	24	21	2189	36	61	74	20	98	21
Pulse USA	LG Amigo	25	24	2076	35	62	74	20	99	22
<b>Average of all entries</b>				<b>2500</b>	<b>42</b>	<b>61</b>	<b>76</b>	<b>21</b>	<b>100</b>	<b>22</b>
<b>Difference required at 5% significance</b>				<b>507</b>	<b>8</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>CV</b>				<b>14</b>	<b>14</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>3</b>

\*Yield @13% moisture

1 bu=60 lbs

DAP=Days After Planting

**Trial summary:**

- 1 Trial location: HPAL-Sidney in Cheyenne Co.
- 2 Trial was planted on no-till ground on wheat stubble
- 3 Herbicide: Pre Plant Sharpen, Prowl, Roundup
- 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 (8 rows with 7.5" row spacing)