

## 2018 Pea Variety Trial at Hemingford (Box Butte Co.)\_Rainfed (1802)

Planting Date: April 12, 2018

Harvest Date: July 23, 2018

Brand	Variety	Yield rank	Entry	*Yield (lbs/a)	*Yield (bu/a)	Test wt (lbs/bu)	Flowering 50% (DAP)	Height at harvest (inch)	Physiological Maturity (DAP)	Seed protein %
Great Northern Ag.	AAC Profit	1	12	2765	46	64	63	20	91	26
Legume Logic	CDC Dakota	2	9	2745	46	61	65	16	91	27
Great Northern Ag.	Spider	3	16	2734	46	61	59	16	93	25
Pulse USA	LG Sunrise	4	25	2729	45	62	60	19	91	24
Meridian Seeds	CDC Inca	5	6	2709	45	68	63	17	92	25
Meridian Seeds	CDC Saffron	6	8	2703	45	61	61	17	90	25
Meridian Seeds	Agassiz	7	1	2568	43	60	62	19	92	24
Meridian Seeds	CDC Amarillo	8	7	2489	41	62	64	19	93	24
Meridian Seeds	CDC Spectrum	9	5	2473	41	59	63	17	94	26
Meridian Seeds	AC Earlystar	10	3	2450	41	62	60	20	90	22
Pulse USA	SW Midas	11	26	2412	40	62	63	15	89	23
Pulse USA	LG Amigo	12	24	2394	40	62	60	16	91	25
Pulse USA	Nette 2010**	13	27	2358	39	62	59	18	91	25
Great Northern Ag.	Salamanca**	14	15	2288	38	61	61	17	91	26
Pulse USA	DS-Admiral	15	22	2218	37	61	60	16	89	25
Meridian Seeds	AAC Carver	16	4	2135	36	61	60	14	90	23
Pulse USA	Durwood**	17	23	2080	35	61	61	18	93	25
Meridian Seeds	Jetset**	18	2	1989	33	61	58	17	91	24
Great Northern Ag.	Bridger**	19	13	1812	30	63	60	14	89	24
<b>Average of all entries</b>				<b>2424</b>	<b>40</b>	<b>61</b>	<b>61</b>	<b>17</b>	<b>91</b>	<b>25</b>
<b>Difference required at 5% significance</b>				<b>553</b>	<b>9</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>CV</b>				<b>16</b>	<b>16</b>	<b>5</b>	<b>3</b>	<b>12</b>	<b>1</b>	<b>3</b>

\*Yield @13% moisture

1 bu=60 lbs

DAP=Days After Planting

\*\* Infested with powdery mildew = Susceptible (since all other varieties did not have powdery mildew symptom)

**Trial summary:**

- 1 Trial location: Hemingford in Box Butte 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)
- 7 Trial was infested with powdery mildew and resistant and susceptible varieties were recorded  
Susceptible varieties: Jetset, Salamnca, Bridger, Nette 2010 and Durwood  
Resistant varieties: All other varieties