

# 2017 Pea Variety Trial at Alliance (Box Butte Co.)\_Rainfed

Planting Date: April 7, 2017

Harvest Date: July 19, 2017

Brand	Variety	Entry	Yield rank	*Yield (lbs/a)	*Yield (bu/a)	Test wt (lbs/bu)	Seed protein (% dry basis)	Bloom start (DAP)	Bloom end (DAP)	Bloom duration (days)	Physiological maturity (DAP)	Height at PM (inch)	Height at harvest (inch)	Lodging at PM (0-9)	Moisture at harvest (%)
Meridian Seeds	AAC Carver	3	1	2830	47	63	23	73	76	2	99	24	22	0	22
Pulse USA	Durwood	10	2	2810	47	62	25	67	75	8	98	24	23	0	20
Meridian Seeds	AC Earlystar	2	3	2766	46	62	23	67	75	8	97	25	23	0	20
Meridian Seeds	Jetset	1	4	2713	45	63	25	71	75	4	97	23	21	0	20
Meridian Seeds	CDC Inca	4	5	2681	45	63	26	74	79	5	99	23	23	0	22
Pulse USA	DS-Admiral	7	6	2664	45	62	24	68	74	7	97	22	21	1	19
Pulse USA	Nette 2010	8	7	2581	43	63	24	65	73	8	97	21	20	0	26
Meridian Seeds	CDC Amarillo	5	8	2446	41	63	26	76	79	3	99	23	22	0	25
Pulse USA	SW Midas	9	9	2425	41	62	25	70	77	7	98	21	21	1	19
Pulse USA	Mystique	11	10	2366	40	61	26	71	77	6	99	24	23	0	24
Meridian Seeds	CDC Saffron	6	11	2322	39	62	25	67	75	8	98	22	21	1	22
<b>Average of all entries</b>				<b>2600</b>	<b>43</b>	<b>62</b>	<b>25</b>	<b>70</b>	<b>76</b>	<b>6</b>	<b>98</b>	<b>23</b>	<b>22</b>	<b>0</b>	<b>22</b>
<b>Difference required for significance at 5%</b>				<b>380</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>5</b>

\*Yield @13% moisture 1 bu = 60 lbs

DAP = Days After Planting

PM=Physiological maturity

## Trial summary:

- 1 Trial location: North Platte in Lincoln Co. (GPS: N 42.248730, W 103.044471)
- 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 Total precipitation during the growing period: 5.23 inches