

**2021 Nebraska Pea Variety Trial in Cheyenne Co. \_Rainfed**

**Planting Date:** April 2, 2021

**Harvest Date:** July 27, 2021

*\*Green pea*

*Yield @13% moisture*

Brand	Variety	Entry	Yield rank	Yield (lbs/acre)	Yield (bu/acre)	Test wt (lbs/bu)	Seed protein % (dry basis)	1000 seed wt (g)	Flowering date	Plant ht (inch)	Moisture (%)
NDSU	ND144G Pea*	27	1	1278	21	57	28.58	207	13-Jun	18	9
Valesco	AAC Profit	19	2	1259	21	56	30.27	243	13-Jun	16	8
Valesco	Spider	24	3	1234	21	55	29.17	253	11-Jun	15	9
Meridian Seeds	MS-20YP4	2	4	1187	20	56	30.60	251	12-Jun	16	9
Meridian Seeds	CDC Inca	3	5	1058	18	55	29.68	233	12-Jun	18	10
Pulse USA	LG Sunrise	9	6	1055	18	56	29.73	247	9-Jun	16	8
Valesco	AAC Chrome	18	7	1041	17	55	28.00	263	12-Jun	13	9
Pulse USA	DS Admiral	6	8	1001	17	54	28.80	246	10-Jun	15	9
Valesco	Salamanca	20	9	930	16	54	31.48	246	8-Jun	19	10
Pulse USA	Durwood	7	10	923	15	54	30.68	238	9-Jun	19	11
Meridian Seeds	DL GrowPro	5	11	904	15	53	31.22	286	9-Jun	21	11
Meridian Seeds	CDC Spectrum	4	12	903	15	54	30.41	238	11-Jun	15	9
NDSU	ND Dawn	26	13	829	14	54	29.03	241	10-Jun	15	10
Meridian Seeds	AAC Carver	1	14	819	14	55	29.22	228	11-Jun	16	11
Valesco	Empire*	21	15	777	13	52	29.64	239	12-Jun	22	14
Pulse USA	DL Apollo	8	16	732	12	56	30.73	225	9-Jun	19	12
Pulse USA	LG Stunner	10	17	706	12	52	31.84	211	9-Jun	19	14
Valesco	Shamrock*	22	18	676	11	52	29.89	255	11-Jun	15	9
Valesco	Cronos	23	19	588	10	51	31.85	257	8-Jun	17	11
<b>Average of all varieties</b>				<b>942</b>	<b>16</b>	<b>54</b>	<b>30.04</b>	<b>243</b>	<b>10-Jun</b>	<b>17</b>	<b>10</b>
<b>Difference (LSD) required at 5% sig.</b>				<b>193</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>CV</b>				<b>15</b>	<b>15</b>	<b>2</b>	<b>14</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>11</b>

**Trial Notes**

**LSD:** Two varieties are significantly different from each other if the difference between them is equal or more than LSD

**CV:** 15 is generally acceptable value. When  $CV > 15$ , the data is of poor quality and should not be considered

**Trial information:**

**Location:** Near Sidney in Cheyenne Co. (N.41.246117, W.-102.9944455)

Planted on no-till ground on corn stubble

**Herbicide:** Optil and round-up

**Seeding rate:** 350,000 live seeds/acre

Seeds were inoculated with granular pea inoculum at the time of planting

**Plot:** 5 ft x 30 ft (6 rows with 10" row spacing)