

## 2020 Nebraska Pea Variety Trial in Perkins Co.\_Rainfed

Planting Date: April 2, 2020

Harvest Date: July 10, 2020

Brand	*Green pea Variety	Yield @13% moisture				DAP=Days After Planting				
		Yield rank	Yield (lbs/acre)	Test wt (lbs/bu)	Seed protin % (dry basis)	1000 seed wt (g)	Flowering (DAP)	Flowering date	Maturity (DAP)	Maturity date
Pulse USA	SW Midas	1	1055	56	28.93	201	65	7-Jun	81	21-Jun
Pulse USA	Durwood	2	985	57	27.39	195	64	4-Jun	80	20-Jun
Valesco	Empire	3	979	55	29.43	199	63	3-Jun	81	21-Jun
Legume Logic	AAC Asher	4	963	56	29.41	189	67	9-Jun	83	23-Jun
Meridian Seeds	CDC Inca	5	957	58	27.22	193	66	8-Jun	82	22-Jun
Pulse USA	DS Admiral	6	918	56	28.19	206	65	7-Jun	81	21-Jun
Valesco	Cronos	7	892	55	27.93	184	64	4-Jun	80	20-Jun
Legume Logic	CDC Dakota	8	885	56	27.75	200	64	4-Jun	82	22-Jun
Valesco	Shamrock*	9	847	54	29.54	203	65	7-Jun	82	22-Jun
ND Crop Improvement	ND Hampton*	10	847	53	30.23	190	66	8-Jun	80	20-Jun
ProGene	PRO 133-6243	11	845	51	29.36	184	66	8-Jun	81	21-Jun
Pulse USA	LG Sunrise	12	826	54	29.23	210	64	4-Jun	81	21-Jun
Pulse USA	Nette 2010	13	811	54	27.91	198	67	9-Jun	80	20-Jun
ProGene	PRO 143-6230	14	811	52	29.72	187	65	7-Jun	81	21-Jun
Meridian Seeds	Jetset	15	805	51	28.44	218	63	3-Jun	81	21-Jun
Legume Logic	Orchestra	16	805	52	30.58	198	67	9-Jun	82	22-Jun
Meridian Seeds	CDC Spectrum	17	790	48	29.13	196	67	9-Jun	81	21-Jun
ProGene	PRO 141-6258*	18	775	48	28.67	196	66	8-Jun	83	23-Jun
ProGene	PRO 153-7409	19	767	51	28.97	175	66	8-Jun	82	22-Jun
Valesco	AAC Profit	20	743	51	28.29	188	66	8-Jun	85	23-Jun
Meridian Seeds	MS-19YP3	21	717	50	27.13	201	63	3-Jun	79	19-Jun
Pulse USA	DL Apollo	22	684	49	30.67	198	67	9-Jun	87	25-Jun
Valesco	Salamanca	23	635	46	29.79	203	66	8-Jun	90	28-Jun
Meridian Seeds	AAC Carver	24	621	44	28.57	207	66	8-Jun	86	24-Jun
Pulse USA	Majestic	25	594	41	29.16	205	64	4-Jun	79	19-Jun
Valesco	AAC Chrome	26	579	43	29.85	193	66	8-Jun	85	23-Jun
Meridian Seeds	CDC Saffron	27	538	39	32.80	174	65	7-Jun	87	25-Jun
ProGene	GINNY 2	28	525	38	28.80	198	67	9-Jun	88	26-Jun
Pulse USA	LG Amigo	29	515	37	29.55	200	67	9-Jun	85	23-Jun
Pulse USA	Korando	30	514	37	29.37	194	67	9-Jun	86	24-Jun
ProGene	Yellowstone	31	446	33	28.15	204	67	9-Jun	86	24-Jun
Valesco	Hyline	32	423	32	29.77	202	67	9-Jun	85	23-Jun
ND Crop Improvement	ND Dawn	33	406	32	29.14	196	66	8-Jun	89	27-Jun
<b>Average of all varieties</b>			<b>742</b>	<b>48</b>	<b>29.06</b>	<b>196</b>	<b>65</b>	<b>7-Jun</b>	<b>83</b>	<b>23-Jun</b>
<b>Difference (LSD) required at 5% sig.</b>			<b>293</b>	<b>12</b>	<b>0.55</b>	<b>24</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>CV</b>			<b>28</b>	<b>18</b>	<b>1.36</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>

**Trial Notes**

**LSD:** Values required ( $\geq$  LSD) to determine if varieties are significantly different from one another

**CV:** 15 is generally acceptable value. **When CV>15, trial is considered very poor and data should be considered with caution**

**Trial information:**

Location: Venango in Perkins Co. (N. 40.792732; W. -101.973257)

Planted on no-till ground on wheat stubble

Herbicide: Sharpen and glyphosate

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)