

## 2022 Nebraska Spring Pea Variety Trial in Perkins Co.\_Rainfed

Planting Date: April 4, 2022

Harvest Date: July 22, 2022

*\*Green pea*

*Yield @12% moisture*

Brand	Variety	Entry	Yield rank	Yield (lbs/acre)	Yield (bu/acre)	Test weight (lbs/bu)	Seed protein % (dry basis)	1000 seed wt (g)	Flowering date	Plant ht (inch)	Moisture (%)
ND	NDP150231Y	28	1	1181	20	54	30	163	6-Jun	7	9
Valesco	Salamanca	20	2	1064	18	49	29	186	6-Jun	9	18
Valesco	AAC Julius	22	3	986	16	54	30	180	7-Jun	8	15
Meridian Seeds	DL GrowPro	1	4	946	16	49	29	180	6-Jun	9	14
Pulse USA	DS - Admiral	10	5	921	15	47	29	159	7-Jun	9	18
ND	ND Victory*	26	6	904	15	50	29	158	6-Jun	8	15
Meridian Seeds	MS-22YP6	2	7	888	15	51	30	173	6-Jun	8	13
ND	ND Dawn Pea	25	8	826	14	51	28	186	7-Jun	8	16
Valesco	Shamrock*	24	9	810	14	46	28	173	6-Jun	9	14
ProGene	Pizzazz	16	10	807	13	45	28	200	4-Jun	10	13
Valesco	AAC Profit	21	11	805	13	42	30	171	6-Jun	9	15
Pulse USA	LG Stunner	8	12	790	13	49	30	168	5-Jun	8	13
ND	NDP150412G*	27	13	787	13	48	30	171	5-Jun	9	11
Valesco	AAC Chrome	23	14	785	13	47	27	194	6-Jun	9	13
Pulse USA	LG Sunrise	11	15	776	13	37	28	172	5-Jun	9	15
Pulse USA	Nette 2010	9	16	764	13	46	28	176	6-Jun	8	16
ProGene	Pro 7665	15	17	655	11	44	28	172	4-Jun	7	19
ProGene	Pro 6220	17	18	637	11	43	29	183	6-Jun	8	19
ProGene	Pro 6258*	14	19	618	10	44	27	183	6-Jun	9	11
ProGene	Banner*	12	20	541	9	34	27	157	4-Jun	8	17
ProGene	Goldenwood	19	21	451	8	30	30	150	10-Jun	9	14
ProGene	Ginny 2*	13	22	436	7	39	28	181	5-Jun	9	19
ProGene	Pro 6230	18	23	378	6	26	29	181	5-Jun	11	19
<b>Average of all varieties</b>				<b>772</b>	<b>13</b>	<b>44</b>	<b>29</b>	<b>175</b>	<b>6-Jun</b>	<b>8</b>	<b>15</b>
<b>Difference (LSD) required at 5% sig.</b>				<b>316</b>	<b>5</b>	<b>15</b>	<b>1</b>	<b>14</b>	<b>2</b>	<b>2</b>	<b>6</b>
<b>CV</b>				<b>14</b>	<b>14</b>	<b>13</b>	<b>2</b>	<b>4</b>	<b>0.71</b>	<b>15</b>	<b>29</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

Poor yield and test weight was due to drought.

**Trial information:**

**Location:** Venango in Perkins Co. (N.40.844, W. -101.697)

Planted on no-till ground on corn stubble

**Herbicide:** Sonolan 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)