

2025 Nebraska Spring Pea Variety Trial in Cheyenne Co. _Rainfed

Planting Date: April 8, 20 Harvest Date: July 18, 2025

*Green pea Yield @12% moisture

Brand	Variety	Yield rank	Yield (lbs/acre)	Yield (bu/acre)	Test wt (lbs/bu)	Flowering date	Plant height @ harvest (inch)	Seed protein (%) db	1000 seed wt (g)	Stand (%)	Moisture @ harvest (%)
Valesco	AAC IronHorse	1	660	11	44	17-Jun	16	29	180	85	13
Valesco	AAC Julius	2	570	10	34	17-Jun	16	28	158	73	13
Meridian	AAC Beyond	3	569	9	30	17-Jun	13	28	153	83	11
Valesco	25-84	4	516	9	35	16-Jun	15	28	177	85	16
ProGene	173-7406	5	504	8	30	12-Jun	16	28	193	80	10
Valesco	AAC Chrome	6	501	8	33	15-Jun	12	28	182	75	12
Valesco	AAC Mc Murphy	7	501	8	34	17-Jun	16	30	180	88	13
Valesco	AAC Harrison	8	494	8	32	17-Jun	16	30	167	80	13
Puris	GTPC007	9	481	8	32	18-Jun	14	28	174	88	14
Puris	GTPC005	10	433	7	30	18-Jun	13	29	167	80	12
Puris	GTPR006	11	431	7	28	16-Jun	14	29	166	80	13
Valesco	VG2512A53	12	418	7	28	15-Jun	12	29	205	83	13
Valesco	2822	13	410	7	27	17-Jun	15	30	164	75	13
ProGene	Pizzazz	14	398	7	26	11-Jun	14	28	218	73	11
Meridian	MS Prostar	15	369	6	25	17-Jun	13	28	206	78	12
ProGene	171-7665*	16	366	6	23	14-Jun	14	26	173	88	8
Puris	GTPC004	17	321	5	21	18-Jun	13	28	182	75	12
ProGene	Banner*	18	276	5	17	11-Jun	13	27	165	85	6
ProGene	Ultra (B202318)*	19	256	4	16	12-Jun	11	26	157	80	5
Average of all varieties			441	7	28	15-Jun	14	28	177	80	11
Difference (LSD) required at 5% sig.			116	2	8	2	3	1	23	9	3
CV			22	22	21	9	17	3	9	7	16

CAUTION: Use the data with caution. This is NOT the typical yield for this location.

However, ranking of the previously tested varieties remained same as in the past.

Low yield was because poor vigor from low soil moisture during the season and hailstorm before harvest

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. When $CV > 15$, the data is of poor quality and should not be considered

Trial information:

Location: High Plains Ag. Lab, 3257 Road 109, Sidney, NE 69162

Previous crop: Planted on no-till ground on millet stubble

Herbicide: Sonolan, Roundup & Prowl

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)