

2021 Nebraska Pea Variety Trial in Scotts Bluff Co._Irrigated

Planting Date: April 26, 2021

Harvest Date: July 28, 2021

Green peaYield @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 (%)
Valesco Genetics	Empire*	21	1	3729	62	57	28.87	247	15-Jun	23	13
Valesco Genetics	Cronos	23	2	2617	44	59	29.47	274	13-Jun	18	11
ProGene	Goldenwood	17	3	2491	42	61	24.68	182	22-Jun	20	10
Valesco Genetics	Salamanca	20	4	2307	38	57	29.16	257	14-Jun	18	12
Valesco Genetics	Shamrock*	22	5	2267	38	56	27.92	283	15-Jun	17	11
Valesco Genetics	AAC Profit	19	6	2179	36	57	28.38	246	15-Jun	16	14
Valesco Genetics	Spider	24	7	2035	34	55	28.34	259	14-Jun	18	12
Valesco Genetics	AAC Chrome	18	8	1522	25	56	26.46	266	14-Jun	15	13
Average of all varieties				2393	40	57	27.91	252	15-Jun	18	12
Difference (LSD) required at 5% sig.				398	7	3	0.57	14	1	4	2
CV				11	11	4	1.4	4	ns	17	10

*Low yield was because late planting and late spraying volunteer millet on the plots***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:** Scottsbluff in Scotts Bluff Co. (N. 41.254057, W. -103.003083)

Planted on no-till ground on millet stubble

Herbicide: 1 pt Sonolan**Seeding rate:** 450,000 live seeds/acre

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

Plot: 5 ft x 25 ft (6 rows with 10" row spacing)**Precipitation** 5.77 inches**Irrigation** 4.45 inches