

2021 Nebraska Pea Variety Trial in Cheyenne Co. _Irrigated

Planting Date: April 30, 2021

Harvest Date: July 26, 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	Salamanca	20	1	1461	24	56	28.16	223	17-Jun	17	8
Valesco Genetics	AAC Profit	19	2	1428	24	58	29.05	222	19-Jun	16	9
Valesco Genetics	Spider	24	3	1314	22	57	28.10	213	17-Jun	17	8
Valesco Genetics	AAC Chrome	18	4	1295	22	57	27.44	213	18-Jun	12	8
Valesco Genetics	Empire*	21	5	1194	20	58	27.88	197	19-Jun	21	10
Valesco Genetics	Shamrock*	22	6	1187	20	58	26.89	197	19-Jun	18	9
Valesco Genetics	Cronos	23	7	594	10	37	29.61	243	15-Jun	15	9
Average of all varieties				1210	20	54	28.16	215	18-Jun	17	9
Difference (LSD) required at 5% sig.				239	4	3	0.78	12	1	4	0
CV				13	13	4	2	4	0	17	3

*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:** Near Sidney in Cheyenne 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** 6.46 inches**Irrigation** 3.75 inches