

2021 Nebraska Pea Variety Trial in Perkins Co. _Rainfed

Planting Date: April 5, 2021

Harvest Date: July 22, 2021

**Green pea*

Yield @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 (%)
Meridian Seeds	CDC Inca	3	1	1934	32	56	28.42	207	9-Jun	18	9
Meridian Seeds	AAC Carver	1	2	1928	32	57	27.16	209	8-Jun	16	9
Meridian Seeds	MS-20YP4	2	3	1855	31	58	29.01	222	11-Jun	17	9
NDSU	ND 144G Pea*	27	4	1793	30	55	28.67	199	11-Jun	15	10
NDSU	ND Dawn	26	5	1634	27	56	28.73	232	8-Jun	17	9
Pulse USA	DS Admiral	6	6	1630	27	56	29.27	221	8-Jun	19	8
ProGene	PRO 143-6230	11	7	1625	27	55	29.24	208	6-Jun	15	10
Valesco	Salamanca	20	8	1611	27	54	30.55	243	6-Jun	17	10
Valesco	Spider	24	9	1590	27	56	29.25	233	8-Jun	18	10
Valesco	AAC Chrome	18	10	1584	26	57	26.46	237	10-Jun	16	9
Pulse USA	LG Sunrise	9	11	1582	26	56	27.85	224	8-Jun	20	9
Meridian Seeds	DL GrowPro	5	12	1576	26	54	29.28	254	9-Jun	20	9
Pulse USA	DL Apollo	8	13	1559	26	55	30.22	202	6-Jun	19	9
Valesco	AAC Profit	19	14	1529	25	55	29.92	246	10-Jun	16	9
Valesco	Empire*	21	15	1522	25	41	28.65	228	10-Jun	16	9
ProGene	PRO 143-6220	12	16	1495	25	55	28.20	209	7-Jun	18	10
Meridian Seeds	CDC Spectrum	4	17	1478	25	55	29.32	220	9-Jun	16	10
ProGene	Ginny 2*	14	18	1470	25	56	29.13	239	9-Jun	16	9
ProGene	Aragorn*	16	19	1419	24	53	30.03	225	6-Jun	15	8
ProGene	Pizzaz	13	20	1365	23	54	30.21	253	5-Jun	20	11
Valesco	Shamrock*	22	21	1346	22	54	29.13	244	10-Jun	15	11
ProGene	PRO 141-6258*	15	22	1324	22	50	28.82	226	6-Jun	16	9
Valesco	Cronos	23	23	1323	22	54	30.47	252	7-Jun	16	9
Pulse USA	Durwood	7	24	1270	21	53	29.50	221	7-Jun	17	9
Pulse USA	LG Stunner	10	25	1011	17	53	31.93	194	7-Jun	19	12
Average of all varieties				1538	26	54	29.17	226	8-Jun	17	10
Difference (LSD) required at 5% sig.				322	5	9	0.62	9	2	2	2
CV				15	15	12	2	3	1	22	15

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: Venango in Perkins Co. (N.40.806052, W. -101.955934)

Planted on no-till ground on millet 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)