

2022 Nebraska Spring Pea Variety Trial in Cheyenne Co._Rainfed

Planting Date: April 1, 2022

Harvest Date: July 19, 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)
ND	ND Victory*	26	1	753	13	37	31	128	14-Jun	13
ProGene	Banner*	12	2	663	11	40	28	122	11-Jun	13
Meridian Seeds	MS-20W2	5	3	635	11	38	28	137	12-Jun	14
Meridian Seeds	MS-20W3	6	4	539	9	33	29	125	11-Jun	12
Meridian Seeds	MS-20Y1	3	5	535	9	32	28	151	14-Jun	13
Pulse USA	LG Sunrise	11	6	491	8	30	31	136	14-Jun	12
Meridian Seeds	MS-21W4	7	7	483	8	29	29	131	13-Jun	11
ND	NDP150412G*	27	8	473	8	31	27	119	11-Jun	11
Pulse USA	DS - Admiral	10	9	469	8	28	29	144	13-Jun	12
ND	NDP150231Y	28	10	469	8	28	31	118	12-Jun	12
ProGene	Pizzazz	16	11	466	8	28	29	158	12-Jun	12
Pulse USA	LG Stunner	8	12	440	7	26	30	141	14-Jun	13
Pulse USA	Nette 2010	9	13	422	7	29	28	158	13-Jun	12
Meridian Seeds	MS-20Y3	4	14	421	7	28	29	156	13-Jun	11
ND	ND Dawn Pea	25	15	411	7	30	28	151	12-Jun	12
Valesco	AAC Julius	22	16	406	7	24	32	133	11-Jun	11
ProGene	Pro 6258*	14	17	399	7	27	27	138	12-Jun	11
ProGene	Pro 6220	17	18	394	7	27	30	133	12-Jun	12
Meridian Seeds	MS-22YP6	2	19	392	7	27	30	125	13-Jun	11
ProGene	Pro 6230	18	20	387	6	26	31	134	12-Jun	11
Valesco	Salamanca	20	21	374	6	24	30	156	12-Jun	11
Valesco	AAC Profit	21	22	369	6	30	32	141	13-Jun	11
Valesco	Shamrock	24	23	367	6	26	28	133	13-Jun	11
ProGene	Ginny 2*	13	24	354	6	27	29	153	13-Jun	11
ProGene	Goldenwood	19	25	299	5	21	30	127	15-Jun	10
ProGene	Pro 7665*	15	26	264	4	23	29	143	14-Jun	10
Meridian Seeds	DL GrowPro	1	27	263	4	23	30	168	15-Jun	12
Valesco	AAC Chrome	23	28	229	2	22	29	139	12-Jun	9
Average of all varieties				430	7	29	29	139	13-Jun	12
Difference (LSD) required at 5% sig.				239	4	9	2	14	2	1
CV				20	20	21	3	5	1	8

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: High Plains Ag Lab (near Sidney) in Cheyenne Co. (N.41.231, W.-103.004)

Planted on no-till ground on corn stubble

Herbicide: Optil 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)