

2020 Nebraska Pea Variety Trial in Cheyenne Co._ Rainfed

Planting Date: April 8, 2020

Harvest Date: July 11, 2020

Brand	Variety	* Green pea Yield @13% moisture					DAP=Days After Planting				
		Yield rank	Yield (lbs/acre)	Test wt (lbs/bu)	Seed protein % (dry basis)	1000 seed wt (g)	Flowering DAP	Flowering date	Maturity (DAP)	Maturity date	Plant height (inches)
Valesco	AAC Profit	1	535	40	27.39	187	65	9-Jun	87	29-Jun	12
Meridian Seeds	CDC Saffron	2	524	37	25.86	184	64	7-Jun	88	30-Jun	12
Pulse USA	LG Amigo	3	487	35	27.43	173	63	6-Jun	85	27-Jun	12
Pulse USA	Durwood	4	472	34	27.46	176	63	6-Jun	86	28-Jun	12
Meridian Seeds	CDC Inca	5	466	34	27.57	166	64	7-Jun	87	29-Jun	13
Valesco	Salamanca	6	446	32	27.69	193	63	6-Jun	86	28-Jun	13
Pulse USA	Majestic	7	435	32	27.55	140	63	6-Jun	88	30-Jun	14
Pulse USA	Korando	8	431	32	26.43	201	60	2-Jun	85	27-Jun	13
Meridian Seeds	AAC Carver	9	431	31	25.66	179	64	7-Jun	87	29-Jun	13
ProGene	Yellowstone	10	417	31	27.10	215	62	4-Jun	84	26-Jun	11
Valesco	AAC Chrome	11	417	30	26.47	186	64	7-Jun	88	30-Jun	11
ProGene	GINNY 2	12	407	29	27.18	189	64	7-Jun	86	28-Jun	11
Valesco	Hyline	13	400	29	25.73	189	64	7-Jun	84	26-Jun	11
Pulse USA	DS Admiral	14	393	28	26.57	196	64	7-Jun	84	26-Jun	12
ProGene	PRO 133-6243	15	384	28	27.54	216	59	1-Jun	83	25-Jun	12
Valesco	Cronos	16	366	26	25.75	169	64	7-Jun	86	28-Jun	11
Pulse USA	Nette 2010	17	361	27	26.07	197	61	3-Jun	84	26-Jun	12
Pulse USA	SW Midas	18	348	26	26.83	169	64	7-Jun	86	28-Jun	11
Valesco	Empire	19	347	26	27.27	174	65	9-Jun	89	1-Jul	16
Pulse USA	DL Apollo	20	345	26	27.51	168	62	5-Jun	85	27-Jun	12
Meridian Seeds	CDC Spectrum	21	330	24	29.01	184	64	7-Jun	89	1-Jul	12
ND Crop Improvement	ND Dawn	22	316	23	26.80	188	64	7-Jun	86	28-Jun	13
Meridian Seeds	Jetset	23	312	23	27.99	183	64	7-Jun	84	26-Jun	14
Valesco	Shamrock*	24	309	24	26.98	179	64	7-Jun	88	30-Jun	12
ND Crop Improvement	ND Hampton*	25	304	23	27.47	187	64	7-Jun	88	30-Jun	11
ProGene	PRO 141-6258*	26	299	23	26.18	186	64	7-Jun	83	25-Jun	10
Pulse USA	LG Sunrise	27	284	21	26.19	173	63	6-Jun	86	28-Jun	12
ProGene	PRO 143-6230	28	242	19	26.97	167	64	7-Jun	84	26-Jun	11
Average of all varieties			386	28	26.95	183	63	6-Jun	86	28-Jun	12
Difference (LSD) required at 5% sig.			177	12	0.83	25	2	2	2	2	1
CV			33	31	2.20	10	2	1	2	1	8

Trial Notes

LSD: Values required (\geq LSD) to determine if varieties are significantly different from one another

CV: 15 is generally acceptable value. **Data should be used carefully as trial CV>15.**

Trial information:

Location: Sidney in Cheyenne Co. (N.41.235968; W-102.997501)

Planted on no-till ground on corn stubble

Herbicide: Sharpen and glyphosate

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)

Yield was impacted by environment (lack of rainfall, dry and hot summer)