

2020 Nebraska Pea Variety Trial in Box Butte Co. _Rainfed

Planting Date: April 17, 2020

Harvest Date: July 19, 2020

Brand	Variety	* Green pea Yield @13% moisture				DAP=Days After Planting				
		Yield rank	Yield (lbs/acre)	Test wt (lbs/bu)	Seed protin % (dry basis)	1000 seed wt (g)	Flowering DAP	Flowering date	Maturity (DAP)	Maturity date
Meridian Seeds	CDC Inca	1	1871	60	27.93	185	58	14-Jun	78	4-Jul
Meridian Seeds	Jetset	2	1819	59	28.30	201	55	11-Jun	77	3-Jul
Meridian Seeds	CDC Saffron	3	1780	59	27.71	191	57	13-Jun	78	4-Jul
Meridian Seeds	CDC Spectrum	4	1757	60	28.34	198	57	13-Jun	79	5-Jul
Meridian Seeds	AAC Carver	5	1710	62	24.88	195	56	12-Jun	78	4-Jul
Pulse USA	Majestic	6	1701	60	26.86	202	57	13-Jun	78	4-Jul
Pulse USA	Durwood	7	1680	59	27.29	191	55	11-Jun	78	4-Jul
Pulse USA	Nette 2010	8	1651	61	26.01	205	55	11-Jun	77	3-Jul
ProGene	PRO 133-6243	9	1650	61	27.43	243	54	10-Jun	77	3-Jul
ND Crop Improvement	ND Dawn	10	1630	60	26.39	208	56	12-Jun	77	3-Jul
Valesco	Hyline	11	1627	61	26.73	200	57	13-Jun	78	4-Jul
Pulse USA	DL Apollo	12	1626	61	28.85	196	57	13-Jun	78	4-Jul
Valesco	AAC Profit	13	1624	60	28.18	201	57	13-Jun	79	5-Jul
ProGene	PRO 143-6230	14	1621	60	27.35	190	54	10-Jun	77	3-Jul
Pulse USA	LG Sunrise	15	1561	60	26.52	191	56	12-Jun	78	4-Jul
Pulse USA	Korando	16	1553	60	28.03	220	54	10-Jun	77	3-Jul
Valesco	Empire	17	1549	61	27.21	189	57	13-Jun	80	6-Jul
Valesco	AAC Chrome	18	1523	60	26.30	203	56	12-Jun	79	5-Jul
ProGene	YELLOWSTONE	19	1489	64	27.20	219	55	11-Jun	77	3-Jul
Valesco	Salamanca	20	1485	59	28.23	214	56	12-Jun	77	3-Jul
Valesco	Shamrock*	21	1427	60	27.04	192	56	12-Jun	79	5-Jul
Pulse USA	DS Admiral	22	1370	62	25.97	203	56	12-Jun	78	4-Jul
Valesco	Cronos	23	1321	61	26.07	177	58	14-Jun	77	3-Jul
Pulse USA	LG Amigo	24	1311	59	27.40	202	56	12-Jun	78	4-Jul
ProGene	GINNY 2	25	1309	61	27.14	193	56	12-Jun	78	4-Jul
Pulse USA	SW Midas	26	1279	60	25.80	185	57	13-Jun	78	4-Jul
ND Crop Improvement	ND Hampton*	27	1226	59	29.37	197	56	12-Jun	79	5-Jul
ProGene	PRO 141-6258*	28	1185	60	26.24	179	54	10-Jun	77	3-Jul
Average of all varieties			1547	1	27.16	199	56	12-Jun	78	4-Jul
Difference (LSD) required at 5% sig.			290	2	0.61	19	1	2	1	2
CV			13	2	1.6	7	2	1	1	1

Trial Notes

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

CV: 15 is generally acceptable value.

Trial information:

Location: Alliance in Box Buttee Co. (N. 40.792732; W. -101.973257)

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)