

2021 Nebraska Pea Variety Trial in Box Butte Co. _Rainfed

Planting Date: April 29, 2021

Harvest Date: August 11, 2021

**Green pea*

Yield @13% moisture

Brand	Variety	Entry	Yield rank	Yield (lbs/acre)	Yield (bu/acre)	Test wt (lbs/bu)	Flowering date	Plant height @ harvest	Moisture @ harvest (%)
NDSU	ND 144G Pea*	27	1	794	13	46	23-Jun	11	6
Valesco	Spider	24	2	776	13	39	21-Jun	11	6
NDSU	ND Dawn	26	3	766	13	47	21-Jun	9	5
Pulse USA	LG Sunrise	9	4	754	13	45	20-Jun	11	6
Meridian Seeds	AAC Carver	1	5	739	12	44	20-Jun	6	5
Pulse USA	Durwood	7	6	735	12	44	20-Jun	12	5
Pulse USA	DL Apollo	8	7	715	12	42	20-Jun	10	5
Valesco	AAC Chrome	18	8	695	12	44	22-Jun	11	11
Pulse USA	LG Stunner	10	9	694	12	42	19-Jun	10	5
Meridian Seeds	MS-20YP4	2	10	690	11	38	22-Jun	12	5
Meridian Seeds	CDC Spectrum	4	11	688	11	42	21-Jun	12	5
Valesco	Salamanca	20	12	646	11	39	20-Jun	11	5
Valesco	Cronos	23	13	640	11	28	18-Jun	9	5
Valesco	AAC Profit	19	14	595	10	28	22-Jun	11	5
Meridian Seeds	DL GrowPro	5	15	572	10	34	20-Jun	10	4
Valesco	Empire*	21	16	554	9	34	21-Jun	15	5
Pulse USA	DS Admiral	6	17	517	9	31	19-Jun	9	5
Meridian Seeds	CDC Inca	3	18	487	8	26	21-Jun	9	4
Valesco	Shamrock*	22	19	479	8	24	22-Jun	9	4
Average of all varieties				660	11	38	21-Jun	10	5
Difference (LSD) required at 5% sig.				183	3	13	1	3	3
CV				20	20	25	0	23	34

CAUTION: This is NOT the typical yield for this location. Use the data with caution.

Low yield was because very late planting and lack of soil moisture during the season

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. When $CV > 15$, the data is of poor quality and should not be considered

Trial information:

Location: Near Alliance in Box Butte Co. (N. 42.281395, W. -102.879202)

Previous crop: Planted on no-till ground on corn stubble

Herbicide: Sonolan, Roundup & Prowl

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)