

2024 Nebraska Spring Pea Variety Trial in Perkins Co._Rainfed

Planting Date: March 29, 2024

Harvest Date: July 26, 2024

Yield @12% moisture

Brand	Variety	Entry	Yield rank	Yield (bu/acre)	Test weight (lbs/bu)	Flowering date	Plant ht (inch)	Seed protein % (dry basis)	1000 seed wt (g)
ProGene	Vail	green	1	23	54	3-Jun	29	31	114
Meridian Seeds	MS GrowPro	yellow	2	22	53	3-Jun	27	30	209
Valesco	IronHorse (5206)	yellow	3	21	54	3-Jun	28	29	175
Valesco	AAC Chrome	yellow	4	20	53	4-Jun	28	28	179
ProGene	143-6220	yellow	5	20	53	4-Jun	28	28	180
Valesco	VG2412A53	yellow	6	20	53	3-Jun	28	30	240
Valesco	AAC Julius	yellow	7	19	54	2-Jun	27	29	169
Meridian Seeds	MS ProStar	yellow	8	19	52	2-Jun	28	29	187
Meridian Seeds	AAC Beyond	yellow	9	19	54	2-Jun	29	29	166
Valesco	2119	yellow	10	19	54	4-Jun	28	30	185
ProGene	Ginny	green	11	18	54	3-Jun	29	28	180
ProGene	171-7665	green	12	17	54	3-Jun	28	26	186
ProGene	Banner	green	13	17	54	3-Jun	29	25	174
ProGene	Payback	yellow	14	12	53	4-Jun	28	30	175
ProGene	172-7107	green	15	11	52	3-Jun	27	32	124
Average of all varieties				18	54	3-Jun	28	29	176
Difference (LSD) required at 5% sig.				6	3	2	3	1	22
CV				24	4	1	8	2	9

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: Stump Wheat Research Farm, Grant, NE

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)

