

2024 Nebraska Spring Pea Variety Trial in Cheyenne Co._Rainfed

Planting Date: March 28, 2024

Harvest Date: July 19, 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)
Meridian Seeds	MS ProStar	yellow	1	38	55	2-Jun	28	29	197
Valesco	IronHorse (5206)	yellow	2	37	55	2-Jun	26	29	175
ProGene	Banner	green	3	36	56	3-Jun	28	27	186
Valesco	VG2412A53	yellow	4	35	55	3-Jun	29	30	211
ProGene	171-7665	green	5	35	56	3-Jun	28	27	196
Valesco	AAC Julius	yellow	6	34	56	3-Jun	28	30	158
Meridian Seeds	MS GrowPro	yellow	7	34	53	3-Jun	27	30	210
ProGene	143-6220	yellow	8	33	54	4-Jun	26	29	177
Valesco	AAC Chrome	yellow	9	32	54	4-Jun	28	29	181
ProGene	Ginny	green	10	32	55	3-Jun	26	29	187
Meridian Seeds	AAC Beyond	yellow	11	31	55	4-Jun	27	30	155
Valesco	2119	yellow	12	26	55	2-Jun	29	31	189
ProGene	Vail	green	13	24	53	3-Jun	27	31	135
ProGene	Payback	yellow	14	19	54	4-Jun	28	31	154
ProGene	172-7107	green	15	17	53	3-Jun	29	32	139
Average of all varieties				31	55	3-Jun	28	30	177
Difference (LSD) required at 5% sig.				5	2	2	3	1	21
CV				10	2	1	7	2	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.42.246, W.-103.003)

Planted on no-till ground on millet 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)

