

2023 Nebraska Spring Pea Variety Trial in Cheyenne Co._Rainfed

Planting Date: April 13, 2023

Harvest Date: July 31, 2023

*Green pea

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	AAC Beyond	2	1	54	56	20-Jun	29	23	192
Valesco Genetics	AAC Julius	5	2	52	58	18-Jun	31	24	190
Valesco Genetics	5206	7	3	50	56	18-Jun	31	23	205
Valesco Genetics	AAC Chrome	6	4	49	53	19-Jun	27	22	222
Meridian Seeds	MS Winterberry	4	5	49	53	20-Jun	26	22	190
ProGene	Ginny 2*	11	6	46	60	13-Jun	29	24	217
ProGene	Banner*	10	7	44	56	11-Jun	29	21	210
Valesco Genetics	Boost	9	8	43	53	17-Jun	29	24	222
Meridian Seeds	MS GrowPro	1	9	42	52	18-Jun	29	27	272
Valesco Genetics	Shamrock*	8	10	40	55	19-Jun	29	23	232
Meridian Seeds	MS ProStar	3	11	39	55	18-Jun	27	24	222
ProGene	Pro 174-7148	12	12	26	51	25-Jun	22	25	170
ProGene	Pro 172-7107*	13	13	24	49	26-Jun	23	27	167
Average of all varieties				43	54	18-Jun	28	24	210
Difference (LSD) required at 5% sig.				9	6	1	4	1	2
CV				15	8	4	11	4	6

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 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)

