

2024 Nebraska Winter Pea Variety Trial in Cheyenne Co._Rainfed

Planting Date: September 27, 2023

Harvest Date: July 22, 2024

Yield @12% moisture

Brand	Variety	Yield rank	Yield (bu/a)	Test Weight (lbs/bu)	Flowering (date)	Plant ht (inch)	Seed protein % (dry basis)	1000 seed wt (g)
ProGene	Pro 164-7117	1	56	57	20-May	14	28	200
ProGene	Goldenwood	2	42	54	26-May	16	27	195
ProGene	Pro 172-7107	3	38	57	23-May	17	27	191
ProGene	Vail	4	37	57	30-May	17	27	175
ProGene	Blaze	5	35	54	20-May	16	28	213
ProGene	Pro 144-7211	6	27	56	22-May	16	26	193
ProGene	Payback	7	24	53	24-May	16	28	187
Average of all varieties			37	58	23-May	16	27	194
Difference (LSD) required at 5% sig.			17	4	2	2	1	5
CV			26	4	1	9	2	15

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 till ground on wheat 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)