

2023 Nebraska Winter Pea Variety Trial in Perkins Co._Rainfed

Planting Date: October 5, 2022

Harvest Date: July 27, 2023

Yield @12% moisture

**Volunteer wheat

Brand	Variety	Entry	Yield rank	Yield (bu/acre)	Test weight (lbs/bu)	Flowering date	**Stand %	Seed protein % (dry basis)	1000 seed wt (g)
ProGene	Keystone	1	13	30	51	8-Jun	45	25	172
ProGene	Vail	2	4	53	57	6-Jun	40	26	165
ProGene	Goldenwood	3	3	53	56	8-Jun	45	26	168
ProGene	Blaze	4	1	62	55	8-Jun	38	26	172
ProGene	Kurtwood	5	10	40	53	8-Jun	55	27	172
ProGene	Pro 184-7148	6	2	61	56	6-Jun	48	27	160
ProGene	Pro 174-7148	8	11	37	51	7-Jun	33	26	165
ProGene	Pro 144-7211	9	6	50	54	8-Jun	50	25	169
ProGene	Pro 154-7225	10	9	45	54	4-Jun	40	28	157
ProGene	Icicle	11	14	30	51	13-Jun	40	27	121
ProGene	Banner	12	15	25	47	29-May	45	32	176
Meridian	MS-21W4	13	5	52	55	2-Jun	45	27	178
Meridian	MS-20W3	14	7	48	53	1-Jun	40	30	172
Seed Ranch	Windham	15	8	47	55	7-Jun	33	26	158
Seed Ranch	Austrian winter pea	16	12	36	55	11-Jun	40	27	121
Average of all varieties				45	53	6-Jun	42	27	162
Difference (LSD) required at 5% sig.				11	2	1	22	1	9
CV				18	3	14	36	3	3

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

**Poor stand was because of severe volunteer wheat.

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)