

2019 Pea Variety Trial in Lincoln Co._Rainfed (1904)

Planting Date: April 8, 2019

Harvest Date: July 25, 2019

Brand	Variety	Entry' 19	Yld rank	*Yield (bu/a)	Test wt (lbs/bu)	Flowering 50% (DAP)	Height (inch)	Physiological Maturity (DAP)	Seed protein %
Valesco Genetics*	AAC Profit	24	1	81	64	68	19	99	25.83
Montana Integrity	Polancos	39	2	79	68	67	21	96	26.69
Legume Logic	Majestic	34	3	77	66	66	20	95	25.23
Meridian Seeds	CDC Saffron	9	4	73	68	66	21	95	26.34
Pulse USA	Nette 2010	19	5	72	63	65	21	94	26.20
Meridian Seeds	CDC Spectrum	11	6	71	66	67	21	98	25.91
Arrowseed	Montech 4193	1	7	66	69	65	22	91	25.95
Valesco Genetics*	Bridger	25	8	65	63	66	20	94	25.87
Meridian Seeds	CDC Inca	10	9	65	69	67	22	97	25.31
Puris Foods	PP-EXP-1932	22	10	65	62	67	20	94	27.12
Pulse USA	Durwood	15	11	65	68	65	23	96	26.30
Meridian Seeds	CDC Greenwater ¥	4	12	63	63	68	20	98	25.64
Meridian Seeds	AC Earlystar	7	13	63	63	66	20	93	27.23
Valesco Genetics*	Spider	29	14	61	63	66	23	97	25.43
Pulse USA	DS-Admiral	14	15	61	58	65	21	93	26.26
Meridian Seeds	AAC Carver	5	16	59	63	65	21	92	26.77
Pulse USA	LG Sunrise	18	17	58	67	65	21	95	26.75
Valesco Genetics*	Salamanca	28	18	58	64	66	20	93	25.86
Meridian Seeds	CDC Amarillo	8	19	58	64	67	23	97	26.45
Arrowseed	Montech 4152	2	20	58	70	65	20	97	26.94
ProGene Plant Res.	Pro 133-6243	36	21	57	62	65	22	92	25.83
Meridian Seeds	AAC Comfort ¥	3	22	55	63	71	20	99	25.75
Pulse USA	DL Apollo	13	23	55	72	65	23	94	26.01
Meridian Seeds	Jetset	12	24	55	63	64	22	91	27.43
Pulse USA	LG Amigo	17	25	51	64	66	21	96	26.96
ProGene Plant Res.	Pro 143-6230	38	26	50	61	67	21	94	25.34
Puris Foods	PP-EXP-1948	23	27	48	62	64	22	95	25.38
Meridian Seeds	AC Agassiz	6	28	47	61	64	20	95	26.78
ProGene Plant Res.	Pro 121-7126	35	29	46	63	65	21	95	26.58
Pulse USA	SW Midas	20	30	39	61	66	21	94	25.53
ProGene Plant Res.	Pro 093-7410	37	31	37	60	65	20	94	26.33
Average of all varieties				60	64	66	21	95	26.19
Difference (LSD) required at 5% sig.				17	8	2	3	2	1.61
CV				18	7	2	9	2	4

¥ Green pea

*Yield @13% moisture

1 bu=60 lbs

DAP=Days After Planting

LSD: Values required (≥ LSD) to determine if varieties are significantly different from one another

CV: 15 is generally acceptable value. **Data should be used carefully as trial CV>15.**

Trial Information:

- 1 Trial location: North Platte in Lincoln Co.
- 2 Trial was planted on tilled ground following legume annual forage
- 3 Herbicide: Optil and glyphosate
- 4 Seeding rate: 350,000 live seeds/acre
- 5 Seeds were inoculated with granular pea inoculum at the time of planting
- 6 Plot: 5 ft x 30 ft (6 rows with 10" row spacing)
- 7 Late-season rain resulted in weed at harvest