

2019 Pea Variety Trial at Grant (Perkins Co.)_Irrigated

Planting Date: March 27, 2019

Harvest Date: July 17, 2019

Variety	Company	Yield rank	Yield (bu/ac) ³	Yield (lbs/ac)	Flowering start (dap) ²	Flowering finish (dap)	Flowering period (days)	Maturity ³	Plant height (in)	Moisture at harvest (%)	Protein (%)
Nette 2010	Pulse USA	1	87	5217	75	92	17	10	31.8	10.3	24.8
Jetset	Meridian Seed	2	81	4868	76	92	16	10	30.8	10.0	26.1
DL Apollo	Pulse USA	3	81	4850	77	93	16	10	30.5	10.5	26.8
CDC Saffron	Meridian Seed	4	78	4671	81	95	14	10	31.0	11.3	26.0
AAC Carver	Meridian Seed	5	76	4560	77	93	16	10	32.5	11.1	24.1
AAC Profit	Valesco Genetics	6	75	4493	83	96	14	7	30.5	11.6	26.8
Durwood	Pulse USA	7	74	4442	77	96	19	10	31.5	10.2	26.4
Polancos	Montana Integrity	8	73	4409	82	96	14	10	35.3	10.5	25.5
CDC Spectrum	Meridian Seed	9	73	4394	84	95	11	9	34.7	11.8	26.0
LG Sunrise	Pulse USA	10	73	4374	73	95	22	5	34.7	10.4	24.4
Montech 4193	Arrow Seed	11	73	4358	78	94	16	10	31.5	10.8	24.4
Bridger	Valesco Genetics	12	72	4343	76	94	18	10	31.0	10.3	25.3
CDC Inca	Meridian Seed	13	72	4338	81	96	16	10	35.3	10.8	25.4
LG Amigo	Pulse USA	14	72	4293	78	92	14	9	33.2	11.1	26.4
CDC Amarillo	Meridian Seed	15	71	4260	81	96	15	10	34.5	10.5	25.3
AAC Comfort ¹	Meridian Seed	16	71	4253	86	96	10	1	28.7	11.9	25.3
CDC Greenwater ¹	Meridian Seed	17	71	4236	82	96	14	3	34.5	10.7	25.8
Spider	Valesco Genetics	18	70	4229	80	96	16	9	32.7	11.4	26.1
Montech 4152	Arrow Seed	19	70	4218	75	96	21	9	28.0	11.2	24.8
AC Earlystar	Valesco Genetics	20	68	4080	77	94	17	10	24.0	10.0	24.4
SW Midas	Pulse USA	21	68	4058	79	93	14	10	28.5	11.0	26.1
Salamanca	Valesco Genetics	22	68	4053	78	96	18	10	28.5	10.1	26.0
AC Agassiz	Meridian Seed	23	66	3983	78	96	19	10	28.3	10.3	25.4
Average of all Varieties			73.2	4392	78.7	94.6	15.9	8.7	31.4	10.8	25.6
Difference required for significance at 5%			9.1	546	1.5	1.8	2.3	2.3	7.1	0.8	0.7
CV			8.7	546	1.3	1.4	10.3	18.7	16.1	5.2	1.8

¹ Green peas (all other varieties are yellow peas)

² dap = days after planting

³ Yield adjusted @ 13% moisture

⁴ 1= late maturing, 10 = early maturing

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Trial summary:

1. Location: Grant NE - Perkins County
2. Soil type: Kuma silt loam
3. Tillage practice: no-till
4. Previous crop: forage sorghum
5. Seeding date 03/27/2019, rate 380,000 live plants/ac, depth 1.5 inches
6. Inoculation Liquid (N Charge) + Peat (Exceed). Both applied at full rate
7. PRE Herbicide on 04/02/2019: Blanket @ 4.8 oz/ac + Brawl II @ 1.33 pt/ac + Buccaneer 5 @ 24 oz/ac
8. No fungicide, no insecticide, no desiccants
8. Harvest date 07/17/2019