

2010 Field Pea Variety Trial – Continuously Cropped - No-till

Hettinger

| Variety | Brand | Days to Bloom | Duration of bloom | Days to Mature | Plant Height | Lodg. | 1000 Seed wt. | Test Weight | --- Seed Yield --- | 2008 | 2009 | 2010 | Avg. Yield | |
|---------------------|----------------|---------------|-------------------|----------------|--------------|-------|---------------|-------------|------------------------------|------|------|------|------------|------|
| | | days* | days | days* | inches | 0-9** | grams | lbs/bu | ----- bushels per acre ----- | | | | 2 yr | 3 yr |
| Yellow Types | | | | | | | | | | | | | | |
| Agassiz | Meridian | 67 | 10 | 92 | 30 | 2 | 219 | 63.6 | 45.7 | 43.4 | 53.7 | 48.6 | 47.6 | |
| DS Admiral | Pulse USA | 66 | 8 | 90 | 32 | 0 | 199 | 62.0 | 41.6 | 33.8 | 50.3 | 42.0 | 41.9 | |
| CDC Golden | Alt. Seed Str. | 67 | 9 | 92 | 31 | 3 | 208 | 63.1 | | 40.8 | 64.4 | 52.6 | | |
| CDC Centennial | Alt. Seed Str. | 68 | 7 | 92 | 24 | 4 | 222 | 62.9 | | 42.7 | 57.8 | 50.2 | | |
| CDC Meadow | Alt. Seed Str. | 66 | 10 | 90 | 32 | 1 | 187 | 62.5 | | 44.2 | 57.5 | 50.8 | | |
| Midas | Svalof | 68 | 8 | 90 | 27 | 0 | 179 | 62.3 | | 39.6 | 53.5 | 46.6 | | |
| PUSA 09001 | Pulse USA | 66 | 9 | 90 | 33 | 2 | 221 | 62.8 | | 38.3 | 53.5 | 45.9 | | |
| Korando | Pulse USA | 65 | 11 | 89 | 32 | 2 | 215 | 61.9 | | 31.2 | 51.5 | 41.4 | | |
| Marquee | Svalof | 67 | 8 | 90 | 29 | 1 | 161 | 61.6 | | 30.9 | 50.6 | 40.8 | | |
| PUSA 09006 | Pulse USA | 66 | 9 | 90 | 32 | 2 | 192 | 61.7 | | 32.9 | 46.7 | 39.8 | | |
| LL11809 | Legume Logic | 67 | 9 | 93 | 38 | 4 | 200 | 62.1 | | | 54.4 | | | |
| Green Types | | | | | | | | | | | | | | |
| Majoret | Pulse USA | 67 | 8 | 93 | 30 | 1 | 192 | 63.2 | 41.3 | 34.9 | 49.3 | 42.1 | 41.8 | |
| Cooper | Meridian | 72 | 6 | 98 | 28 | 2 | 228 | 64.0 | 39.7 | 28.7 | 52.8 | 40.8 | 40.4 | |
| Cruiser | Pulse USA | 66 | 10 | 93 | 28 | 4 | 165 | 61.4 | 36.4 | 36.1 | 48.0 | 42.0 | 40.2 | |
| CDC Striker | Alt. Seed Str. | 67 | 8 | 93 | 32 | 2 | 204 | 63.0 | 38.1 | 25.3 | 46.0 | 35.6 | 36.5 | |
| Arcadia | Svalof | 67 | 7 | 94 | 26 | 2 | 199 | 62.5 | | 42.1 | 52.2 | 47.2 | | |
| K2 | Svalof | 65 | 10 | 92 | 28 | 0 | 184 | 62.8 | | 37.9 | 47.4 | 42.6 | | |
| CDC Patrick | Alt. Seed Str. | 68 | 8 | 95 | 30 | 3 | 179 | 62.3 | | | 54.9 | | | |
| Aragorn | Progene | 66 | 10 | 90 | 25 | 4 | 180 | 60.7 | | | 46.0 | | | |
| Trial Mean | | 67 | 9 | 92 | 30 | 2 | 197 | 62.4 | 40.1 | 34.9 | 52.1 | -- | -- | |
| C.V. % | | 0.8 | 8.5 | 1.5 | 4.8 | 54 | 7.3 | 1.4 | 6.1 | 7.7 | 6.1 | -- | -- | |
| LSD .05 | | 0.7 | 1 | 2 | 2 | 1 | 20 | 1.2 | 3.5 | 3.8 | 4.5 | -- | -- | |
| LSD .01 | | 1.0 | 2 | 3 | 3 | 2 | 27 | 1.6 | 4.6 | 5.0 | 6.1 | -- | -- | |

* Days to Bloom & Mature = the number of days from planting to 10% bloom & physiological maturity.

** Lodging: 0 = none, 9 = lying flat on ground.

Planting Date: April 19

Seeding Rate: 330,000 live seeds / acre.

Harvest Date: July 31

Previous Crop: 2007 = HRSW, 2008 = durum, 2009 = HRSW.