

Minot Pea Variety Trial

Design: RCB with four replicates¹

Planting Date: May 19 Harvest Date: August 22

Planting Rate: 300K PLS/acre

Fertility: Granular inoculant placed with seed

Weed Control: 2.5 pt/acre Prowl H2O + 3 oz/acre Spartan + 32 oz/acre Gly-Star+ PRE on May 19, 8 oz/acre Volunteer on June 27

| Variety | Market Class | Plant Stand pl/ft ² | Days to Flower DAP ³ | Bloom Period days | Plant Height Index | Canopy Height cm | Lodging ² 1-9 | 1000 Seed Weight g | Protein % | Seeds/ Pound | Test Weight lb/bu | Seed Yield | | | 3 yr Ave |
|----------------|--------------|-----------------------------------|------------------------------------|----------------------|--------------------|---------------------|-----------------------------|-----------------------|--------------|-----------------|----------------------|------------|------|------|----------|
| | | | | | | | | | | | | 2009 | 2010 | 2011 | |
| AGASSIZ | LY | 16.5 | 49 | 22 | 0.59 | 48 | 6 | 187 | 24.9 | 2388 | 62.9 | 70.1 | 51.5 | 40.6 | 60.8 |
| ARAGORN | LG | 18.0 | 46 | 20 | 0.57 | 37 | 7 | 170 | 25.2 | 2672 | 62.7 | | | 22.6 | |
| BANNER | LG | 21.5 | 47 | 24 | 0.51 | 37 | 7 | 155 | 21.8 | 2944 | 64.0 | | | 31.1 | |
| BLUEMOON | LG | 20.3 | 50 | 16 | 0.55 | 46 | 6 | 196 | 24.9 | 2347 | 63.4 | | | 35.3 | |
| BRIDGER | LY | 16.5 | 49 | 18 | 0.88 | 59 | 4 | 204 | 25.8 | 2207 | 64.0 | | | 35.8 | |
| CAROUSEL | LY | 17.8 | 49 | 15 | 0.64 | 44 | 7 | 178 | 25.0 | 2564 | 63.6 | | | 36.6 | |
| CDC CENTENNIAL | LY | 21.3 | 48 | 18 | 0.30 | 17 | 9 | 195 | 25.1 | 2323 | 63.2 | 69.1 | 47.7 | 43.5 | 58.4 |
| CDC GOLDEN | LY | 17.8 | 49 | 20 | 0.64 | 39 | 6 | 166 | 25.9 | 2705 | 63.8 | 75.4 | 46.8 | 37.1 | 61.1 |
| CDC MEADOW | LY | 17.0 | 51 | 19 | 0.74 | 55 | 6 | 164 | 24.4 | 2788 | 64.4 | 49.5 | 49.0 | 33.2 | 49.3 |
| CDC PATRICK | LG | 16.0 | 51 | 18 | 0.64 | 42 | 7 | 138 | 25.2 | 3242 | 63.2 | 57.9 | 53 | 28.0 | 55.5 |
| CDC STRIKER | LG | 19.0 | 49 | 16 | 0.68 | 48 | 6 | 205 | 25.9 | 2162 | 64.5 | 64.8 | 51.5 | 33.0 | 58.2 |
| CDC TREASURE | LY | 17.3 | 49 | 20 | 0.86 | 49 | 6 | 169 | 24.3 | 2682 | 63.7 | | | 34.3 | |
| CRUISER | LG | 16.3 | 51 | 20 | 0.65 | 40 | 6 | 164 | 25.0 | 2798 | 63.7 | 48.3 | 39.3 | 30.5 | 43.8 |
| DS ADMIRAL | LY | 15.0 | 48 | 17 | 0.64 | 48 | 6 | 212 | 24.6 | 2150 | 63.3 | 59.7 | 43.2 | 38.0 | 51.5 |
| EMERALD | LG | 16.3 | 48 | 17 | 0.73 | 49 | 5 | 200 | 25.8 | 2290 | 62.8 | | | 17.3 | |
| MAJORET | LG | 20.8 | 50 | 16 | 0.62 | 35 | 7 | 206 | 25.0 | 2162 | 63.9 | 50.6 | 46.6 | 37.2 | 48.6 |
| PUSA 09003 | LY | 17.5 | 52 | 22 | 0.85 | 63 | 3 | 218 | 25.0 | 2009 | 63.5 | 66.4 | 50.9 | 34.5 | 58.7 |
| SPIDER | LY | 8.3 | 50 | 25 | 0.63 | 49 | 6 | 203 | 25.3 | 2205 | 64.1 | 62.8 | 39.5 | 36.0 | 51.2 |
| THUNDERBIRD | LY | 17.8 | 54 | 17 | 0.74 | 52 | 5 | 165 | 25.0 | 2735 | 64.0 | 62.7 | 50.6 | 38.1 | 56.7 |
| UNIVERSAL | LY | 18.8 | 46 | 20 | 0.64 | 44 | 6 | 179 | 26.1 | 2554 | 63.9 | | | 35.7 | |
| VEGAS | LY | 20.3 | 48 | 17 | 0.71 | 54 | 4 | 216 | 26.1 | 2129 | 63.6 | | | 41.9 | |
| GRAND MEAN | | 16.6 | 49 | 19 | 0.59 | 41 | 6 | 180 | 25.1 | 2564 | 63.4 | 61.7 | 45.9 | 31.8 | |
| CV | | 21.9 | 2.8 | 16.2 | 17.6 | 14.9 | 11.5 | 5.0 | 1.3 | 5.9 | 0.6 | 17.0 | 23.3 | 9.8 | |
| LSD (0.05) | | 7.4 | 3 | 6 | 0.21 | 13 | 1 | 18 | 0.7 | 308 | 0.7 | 17.3 | 15.1 | 6.3 | |

¹ Analysis based on two reps due to water damage

² Lodging (1=erect, 9=flat) ³ Days after planting