

2010 Dry Bean Variety Trial – Continuously Cropped - No-till

Hettinger

| Variety | Days to Bloom | Lodging | 1000 Seed wt. | Test Weight | Seed Yield | | | Average Yield | |
|------------------------------|---------------|---------|---------------|-------------|-----------------------------|------|------|---------------|------|
| | | | | | 2008 | 2009 | 2010 | 2 yr | 3 yr |
| <i>Pinto</i> | * | 0-9** | grams | lbs/bu | ----- Pounds per acre ----- | | | | |
| Lapaz | 59 | 2.5 | 314 | 56.9 | 628 | 1889 | 1995 | 1942 | 1504 |
| Maverick | 54 | 4.0 | 304 | 55.2 | 552 | 1808 | 1987 | 1898 | 1449 |
| Lariat | 57 | 5.5 | 315 | 56.1 | 568 | 1540 | 2122 | 1831 | 1410 |
| GTS 900 | 58 | 5.0 | 300 | 58.3 | 539 | 1636 | 1847 | 1742 | 1341 |
| Buster | 53 | 3.0 | 328 | 54.5 | 515 | 1566 | 1896 | 1731 | 1326 |
| Stampede | 54 | 5.0 | 318 | 52.4 | 626 | 1745 | 1559 | 1652 | 1310 |
| Othello | 52 | 3.0 | 327 | 47.2 | 696 | 1496 | 1650 | 1573 | 1281 |
| Sonora | 54 | 2.5 | 270 | 55.8 | | | 2076 | | |
| Medicine Hat | 54 | 2.5 | 324 | 55.1 | | | 2066 | | |
| Mariah | 56 | 2.5 | 315 | 57.5 | | | 1991 | | |
| Windbreaker | 54 | 2.5 | 356 | 53.7 | | | 1942 | | |
| Santa Fe | 54 | 3.5 | 343 | 52.8 | | | 1295 | | |
| <i>Navy</i> | | | | | | | | | |
| Vista | 59 | 6.0 | 149 | 54.8 | 544 | 1401 | 1611 | 1506 | 1185 |
| Avalanche | 58 | 3.3 | 177 | 57.3 | 447 | 1474 | 1556 | 1515 | 1159 |
| Norstar | 56 | 6.0 | 166 | 57.8 | 544 | 1257 | 1441 | 1349 | 1081 |
| Ensign | 57 | 6.0 | 171 | 56.9 | 504 | 1207 | 1380 | 1294 | 1030 |
| Navigator | 59 | 4.3 | 151 | 55.5 | 428 | 1131 | 1340 | 1236 | 966 |
| Seahawk | 58 | 6.0 | 174 | 55.5 | 453 | 1067 | 1349 | 1208 | 956 |
| HMS Medalist | 59 | 5.3 | 149 | 57.9 | | | 1447 | | |
| Mayflower | 58 | 5.0 | 159 | 53.4 | | | 973 | | |
| <i>Black</i> | | | | | | | | | |
| Eclipse | 59 | 2.5 | 166 | 57.4 | 449 | 1343 | 1784 | 1564 | 1192 |
| Jaguar | 58 | 2.0 | 158 | 56.6 | 377 | 1341 | 1768 | 1554 | 1162 |
| T-39 | 59 | 5.0 | 167 | 57.7 | 391 | 1334 | 1591 | 1462 | 1105 |
| Zorro | 58 | 2.5 | 170 | 57.8 | | 1413 | 2043 | 1728 | |
| Loreto | 58 | 2.5 | 177 | 57.7 | | | 1227 | | |
| <i>Pink</i> | | | | | | | | | |
| Sedona | 58 | 5.5 | 294 | 49.4 | 391 | 803 | 838 | 820 | 677 |
| <i>Great Northern</i> | | | | | | | | | |
| Matterhorn | 54 | 2.5 | 307 | 54.7 | 548 | 1459 | 1904 | 1682 | 1304 |
| <i>Small Red</i> | | | | | | | | | |
| Merlot | 54 | 3.5 | 288 | 54.7 | 525 | 675 | 1589 | 1132 | 930 |
| Trial Mean | 57 | 4.0 | 55.3 | 238 | 516 | 1378 | 1640 | -- | -- |
| C.V. % | 1.9 | 31 | 4.4 | 3.2 | 23 | 10.6 | 6.1 | -- | -- |
| LSD .05 | 1 | 2.1 | 4.0 | 13 | 165 | 208 | 165 | -- | -- |
| LSD .01 | 2 | 2.8 | 5.4 | 17 | NS | 276 | 222 | -- | -- |

* Days to mature = the number of days from planting to 10% bloom.

** Lodging: 0 = none, 9 = lying flat on the ground. NS = no statistical difference between varieties.

Planting Date: May 19 Harvest Date: September 3

Seeding Rate: 100,000 live seeds / acre (approx. 60 lbs/A).

Previous Crop: 2007 & 2008 = hrsw, 2009 = barley.

Note: The 2008 trial sustained severe drought. The 2009 trial sustained moderate hail damage.