

2010 Clearfield Lentil Variety Trial – Continuously Cropped - No-till

Hettinger

| Variety | Days to Bloom | Plant Ht. | Lodging | 1000 Seed wt. | Test Weight | Seed Yield | | | Average Yield | |
|------------------------------|---------------|-----------|---------|---------------|-------------|------------|------|------|---------------|------|
| | * | inches | 0-9** | grams | lbs/bu | 2008 | 2009 | 2010 | 2 yr | 3 yr |
| ----- pounds per acre ----- | | | | | | | | | | |
| Large Green Type | | | | | | | | | | |
| CDC Improve | 65 | 16 | 2.2 | 76.8 | 57.0 | 985 | 1918 | 1432 | 1675 | 1445 |
| Medium Green Type | | | | | | | | | | |
| CDC Impress | 65 | 14 | 4.5 | 56.2 | 58.0 | 1364 | 2249 | 1543 | 1896 | 1719 |
| Small Red Types | | | | | | | | | | |
| CDC Maxim | 63 | 15 | 0.5 | 44.2 | 61.0 | 1227 | 2234 | 2255 | 2244 | 1905 |
| CDC Impact | 62 | 14 | 2.2 | 39.8 | 61.0 | 537 | 1645 | 1593 | 1619 | 1258 |
| Extra Small Red Types | | | | | | | | | | |
| CDC Imperial | 64 | 15 | 4.0 | 34.2 | 60.0 | 758 | 2035 | 2290 | 2162 | 1694 |
| CDC Impala | 66 | 15 | 3.5 | 34.6 | 61.3 | 729 | 1939 | 2215 | 2077 | 1628 |
| Trial Mean | 64 | 15 | 2.8 | 47.6 | 59.7 | 1056 | 2003 | 1888 | -- | -- |
| C.V. % | 1.0 | 7.7 | 53 | 2.2 | 1.6 | 13.2 | 9.9 | 6.6 | -- | -- |
| LSD .05 | 1 | NS | 2.2 | 1.6 | 1.5 | 197 | 299 | 189 | -- | -- |
| LSD .01 | 1 | NS | NS | 2.2 | 2.1 | 262 | 414 | 261 | -- | -- |

* Days to Bloom = the number of days from planting to 10% flowering.

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

NS = no statistical difference between varieties.

Planting Date: April 19

Harvest Date: August 18

Seeding Rate: 550,000 live seeds / acre.

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

Note: The 2008 trial sustained severe late season heat and moisture stress.

The 2009 trial sustained moderate hail damage.