

NDSU Hettinger Research Extension Center

Safflower - 2015 **Hettinger, ND**

| Variety | Oil Type | Days to Flower | Plant Height | Test Weight | Oil Content | -----Grain Yield----- | | | -----Average Yield----- | |
|--------------|----------|----------------|--------------|-------------|-------------|--------------------------|------|------|-------------------------|------|
| | | | | | | 2013 | 2014 | 2015 | 2-Yr | 3-Yr |
| | | DAP* | inches | lbs/bu | % | ----- lbs per acre ----- | | | | |
| Cardinal | Linoleic | 98 | 39 | 41.1 | 32.3 | 2394 | 1043 | 2497 | 1770 | 1978 |
| Finch | Linoleic | 96 | 35 | 43.3 | 33.6 | 2272 | 897 | 2672 | 1785 | 1947 |
| MonDak | Oleic | 97 | 35 | 41.0 | 34.8 | 2303 | 1070 | 3050 | 2060 | 2141 |
| Montola 2003 | Oleic | 98 | 32 | 39.9 | 36.7 | 2186 | 991 | 3346 | 2169 | 2174 |
| Nutrasaff | Linoleic | 98 | 36 | 34.0 | 41.8 | 2124 | 867 | 2162 | 1515 | 1718 |
| Hybrid 9049 | Oleic | 96 | 36 | 40.7 | 29.9 | 2978 | 1063 | 3082 | 2073 | 2374 |
| Hybrid 1601 | Oleic | 98 | 36 | 38.7 | 34.7 | 2182 | 1195 | 3750 | 2473 | 2376 |
| Hybrid 200 | Oleic | 97 | 34 | 41.4 | 31.1 | -- | -- | 3412 | -- | -- |
| Hybrid 446 | Oleic | 97 | 32 | 41.1 | 31.3 | -- | -- | 3302 | -- | -- |
| Hybrid 621 | Oleic | 98 | 36 | 34.7 | 37.6 | -- | -- | 2860 | -- | -- |
| Trial Mean | | 97 | 35 | 39.6 | 34.4 | 2277 | 983 | 3011 | 1978 | 2101 |
| C.V. % | | 0.8 | 3.6 | 1.9 | 2.5 | 8.8 | 21.7 | 7.7 | -- | -- |
| LSD 5% | | 0.9 | 1.9 | 1.1 | 0.8 | 290 | NS | 337 | -- | -- |
| LSD 10% | | 0.7 | 1.5 | 0.9 | 0.6 | 244 | NS | 279 | -- | -- |

* Days after planting.

Planting Date: April 22

Harvest Date: September 24

Previous Crop: Spring Wheat Green Fallow