

NDSU Hettinger Research Extension Center

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| Safflower - 2019 | Hettinger, ND |
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| Variety | Days to Plant | Test | Oil | -----Grain Yield----- | | | Average Yield | | |
|-----------------------|------------------|--------|---------|-----------------------|--------------------------|------|---------------|------|------|
| | Flower Height | Weight | Content | 2016 | 2018 | 2019 | 2-Yr | 3-Yr | |
| | DAP ¹ | inches | lbs/bu | % | ----- lbs per acre ----- | | | | |
| Linoleic Types | | | | | | | | | |
| Cardinal | 87 | 30 | 32.0 | 35.9 | 1805 | 1825 | 1577 | 1701 | 1736 |
| Chickadee | 88 | 23 | 31.9 | 23.9 | -- | 1497 | 1299 | 1398 | -- |
| Finch | 85 | 27 | 30.0 | 36.7 | 1669 | 1335 | 1456 | 1396 | 1487 |
| NutraSaff | 90 | 26 | 27.5 | 39.0 | 1223 | 1425 | 555 | 990 | 1068 |
| Rubis Red | 91 | 25 | 30.9 | 17.0 | -- | 1393 | 706 | 1050 | -- |
| Oleic Types | | | | | | | | | |
| Hybrid 1601 | 88 | 29 | 28.4 | 29.1 | 2095 | 1929 | 1142 | 1536 | 1722 |
| Hybrid 200 | 89 | 23 | 30.5 | 20.5 | 1723 | 1397 | 1108 | 1253 | 1409 |
| Hybrid 446 | 86 | 25 | 31.3 | 22.5 | -- | 1297 | 1665 | 1481 | -- |
| MonDak | 88 | 25 | 31.3 | 24.0 | 1559 | 1680 | 1668 | 1674 | 1636 |
| Montola 2003 | 89 | 23 | 30.5 | 20.7 | 1555 | 1830 | 851 | 1341 | 1412 |
| Trial Mean | 88 | 26 | 30.4 | 26.9 | 1661 | 1561 | 1203 | 1382 | 1496 |
| C.V. % | 1.4 | 6.0 | 3.4 | 6.4 | 13.6 | 9.5 | 15.3 | -- | -- |
| LSD 5% | 1.8 | 2.2 | 1.5 | 2.5 | 333 | 215 | 268 | -- | -- |
| LSD 10% | 1.5 | 1.8 | 1.2 | 2.1 | 276 | 179 | 222 | -- | -- |

¹ Days after planting.

Planting Date: May 14

Harvest Date: September 24

Safflower Trial was not harvested in 2017

Very poor seed quality due to a week of wet conditions prior to harvest.