

**Safflower Irrigated Variety Trial**

**WREC, Nesson Valley, ND 2016**

Variety	Plant Height (in)	Days to flower (DAP <sup>+</sup> )	Oil <sup>†</sup> (%)	Test weight (lb/bu)	Yield		
					2016 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
Hybrid 1601	25.1	84	35.6	39.9	2225	2210	1831
Hybrid 446	26.0	84	29.3	41.9	1712	1653	1663
MonDak	21.9	85	34.0	42.0	1787	1682	1652
Hybrid 9049	23.2	84	29.0	41.2	1497	1518	1536
Montola 2003	19.7	86	36.2	41.0	1449	1364	1491
Hybrid 528	24.8	84	41.1	33.3	1497	1549	1420
Hybrid 200	23.4	84	30.3	41.4	1203	1403	1417
Finch	25.1	85	33.4	42.2	1444	1483	1401
Cardinal	26.6	85	34.0	43.2	1363	1297	1340
NutraSaff	24.1	86	45.6	38.4	1198	1083	985
STI 1201	20.2	84	41.0	37.4	1170	1310	-
Hybrid 300	26.0	84	31.2	42.5	1843	-	-
STI 1401	22.6	85	46.6	35.8	1268	-	-
Rubis Red	25.7	84	27.6	45.8	1215	-	-
Baldy	23.5	83	24.1	44.0	994	-	-
Mean	23.9	84.4	34.6	40.7	1457.6	1504.7	1473.7
C.V.	8.90	1.5	1.93	1.92	17.3	-	-
LSD 5%	3.43	2.0	1.05	1.14	388.5	-	-
LSD 10%	2.87	1.7	0.88	0.95	324.6	-	-

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft

Previous crop: Sugarbeet

Planted: 4/21/2016

Harvested: 9/13/2016

Plot size: 52 ft<sup>2</sup>

Soil type: Lihen Loamy Fine Sand

Applied fertilizer in broadcast: 330 lb/a of 46-0-0

Soil test to 6": 24-ppm P, 230- ppm K, OM-2.2, pH-7.6

Soil test to 2' : 18 lbs of N

Yield goal: 2000 lb/a

Planting population: Conventional 20 lbs PLS, Hybrid 18 lbs PLS

Herbicides applied: Prowl H2O 3 pt/a (4/27/2016), Section 2EC 6 oz/a plus

Cornbelt Trophy Gold 1qt/100 gal (6/7/2016), Gramoxone 2 pt/a (9/2/2016)

Fungicides applied: Priaxor D 8 oz/a (7/21/2016), Priaxor D 8 oz/a + Endura 11 oz/a (7/28/2016)

Rainfall: 9.1 in (4/21/2016 - 9/13/2016)

Irrigation: 6.8 in. (4/13/2016 - 8/3/2016)

Irrigation dates and amounts (inches): 1.2 (6/24) 1.0 (6/28), 1.0 (7/8), 1.2 (7/15), .8 (7/18), and 1.6 (8/11)

+ Days after planting

† Oil adjusted to an oven dry basis