

**Irrigated Safflower Variety Trial****WREC-Nesson Valley 2015**

Variety	Days to	Oil <sup>2</sup>				Test	Yield			
	Flower	2013	2014	2015	3yr avg.	Weight	2013	2014	2015	3yr avg.
	DAP <sup>1</sup>	-----%-----				lb/bu	-----lb/a-----			
Hybrid 200	90	32.3	27.4	30.9	30.2	38.8	1883	1681	1595	1720
MonDak	92	32.6	31.0	32.2	31.9	37.1	1711	1593	1577	1627
Hybrid 1601	90	36.9	32.4	33.1	34.1	35.9	1573	1074	2195	1614
Montola 2003	93	36.4	30.1	32.5	33.0	37.0	1752	1747	1278	1592
Hybrid 9049	89	29.1	26.3	27.2	27.5	36.4	1629	1572	1540	1580
Hybrid 446	91	30.4	28.1	28.6	29.0	35.7	1632	1444	1603	1560
Cardinal	93	33.0	28.1	32.6	31.2	37.8	1607	1427	1231	1422
Finch	91	32.9	31.4	34.2	32.8	38.7	1354	1238	1522	1371
Hybrid 528	91	42.3	37.8	40.4	40.2	33.1	1262	1162	1601	1342
NutraSaff	93	47.5	40.3	44.2	44.0	35.7	1119	788	968	958
STI 1201	92	39.0	-	39.5	39.3	35.8	1450	-	1450	-
MEAN	91.2	35.67	31.29	34.13	33.94	36.54	1542.9	1372.6	1505.5	1478.6
C.V.	1.0	3.1	7.0	2.3	-	3.0	14.3	20.7	14.6	-
LSD 5%	1.5	-	-	1.35	-	1.84	-	-	368.4	-
LSD 10%	1.3	2.20	7.00	1.11	-	1.52	299.0	436.0	304.6	-

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

Planted: 4/15/2015

Harvested: 9/10/2015

Plot size: 60 ft<sup>2</sup>

Previous crop: barley

Applied fertilizer in lbs/a broadcast: 194 lbs of 46-0-0 (4/10/2015)

Soil test to 6": 29 ppm P : 300 ppm K OM-2.2 pH-8.0

Soil test to 2' in lb/a: 64 lbs N

Soil type: Lihen Loamy Fine Sand

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

Herbicides applied: Prowl H2O 3pt/a (4/24/2015), Section 2EC 6 oz/a + Destiny 1% v/v (6/4/2015)

Fungicide applied: Endura 10 oz/a + Quadris 10 oz/a (7/14/2015)

Rainfall: 9.1 in (4/15 -9/10)

Irrigation: 7.5 in (4/15-9/10)

DAP<sup>1</sup> = Days After PlantingOil<sup>2</sup> = Oil content reported on an oven dried basis