

Safflower Dryland Variety Trial - NDSU

WREC, Williston, ND 2018

Variety	Plant Height	Oil	Test Weight	Yield		
				2018	2-yr avg*	3-yr avg**
	(in)	(%)	(lb/bu)	-----lb/a-----		
Montola 2003	12.7	36.5	41.6	1361.3	1384.0	1577.0
Cardinal	15.7	35.3	43.1	1241.0	1766.1	1809.0
Montola 2001	16.7	36.9	37.6	1232.3	1254.3	-
Chickadee	14.3	36.6	42.1	1136.3	-	-
Nutrasaff	20.3	46.4	36.4	1095.0	887.6	1098.2
Baldy	16.3	27.5	44.5	1045.7	1222.4	-
Morlin	15.3	39.0	39.6	988.7	1319.0	1505.0
Rubis Red	12.7	27.9	45.1	959.3	1448.4	-
Finch	16.0	35.5	42.7	925.7	1189.5	1310.2
MonDak	13.7	34.3	41.6	913.7	1569.2	1773.8
STI 1201	14.0	42.0	36.9	885.0	1114.9	1286.6
Mean	15.2	36.2	41.0	1071.3	-	-
CV	7.1	1.4	2.5	16.9	-	-
LSD 0.05	1.8	0.9	1.8	307.7	-	-
LSD 0.1	1.5	0.7	1.5	254.4	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft.

Previous crop: Spring Wheat

Planted: 05/08/2018.

Harvested: 09/14/2018.

Soil test (0-6"): P=43 ppm; K=332 ppm; pH=6.3; OM=2.0%.

Soil type: Williams-Bowbells loam.

(0-24"): NO₃-N=35 lb/a.Applied fertilizers in lb/a: N=77; P₂O₅=18; K₂O=4.5; S=0.5.

*Averages of years 2016 and 2017. **Averages of years 2015, 2016, and 2017.

Note: Trial received heavy rain, wind, and hailstorms that damaged the crop and adversely affected yield.

06/23/2018: Wind speed=46 mph; Precipitation=1.53". 06/28/2018: Wind speed=61 mph; Precipitation=0.94"; Hail.

07/09/2018: Wind speed=48 mph; Precipitation=1.67".