

Safflower Dryland Variety Trial - NDSU

WREC, Williston, ND 2019

Variety	Oil Type	Stand	Days to heading	Plant Height	Oil [†]	Test weight	Yield		
							2019	2-Yr Avg	3-Yr Avg
		(%)	(DAP ¹)	(in)	(%)	(lb/bu)	(lb/a)	(lb/a)	(lb/a)
Chickadee	High Lino	65	83.0	21.2	40.3	40.7	1865	1501	1321
Cardinal	High Lino	71	84.8	23.2	38.4	37.0	1583	1412	1257
Hybrid 1601	High Oleic	59	83.8	25.3	37.3	32.1	1375	1324	1244
Hybrid 446	High Oleic	53	82.8	22.6	39.9	39.8	1375	1340	1221
Hybrid 528	High Oleic	59	82.5	24.4	38.1	31.7	1500	1380	1218
Hybrid 300	High Oleic	54	82.3	23	40.8	40.0	1400	1281	1208
Hybrid 200	High Oleic	22	88.0	23.2	38.3	37.7	1239	1270	1205
Montola 2003	High Oleic	48	86.3	21.1	40.2	37.3	1216	1289	1057
MonDak	High Oleic	49	85.3	22.8	41.8	37.3	1360	1137	1054
Morlin	High Lino	81	85.0	20.2	38.2	34.8	1442	1215	1028
Hybrid 570	High Oleic	56	83.5	23.5	39.4	33.9	1109	1074	1002
Rubis Red	High Lino	43	82.5	21.4	36.7	40.6	1143	1051	966
Hybrid 621	High Oleic	51	83.8	21.9	40.6	29.0	856	928	959
Finch	High Lino	68	82.0	22.5	42.0	36.3	934	930	834
NutraSaff	High Lino	59	83.5	22.6	41.1	31.0	986	1040	825
STI 1201	High Oleic	55	84.3	19.6	39.3	31.8	938	912	821
Baldy	High Lino	44	82.5	22.0	38.8	37.1	741	893	818
Montola 2000	High Oleic	58	83.0	21.2	38.7	36.2	1452	-	-
Mean		55	83.8	22.3	39.4	35.8	1251	-	-
CV (%)		16.1	1.2	7.9	6.7	2.5	18	-	-
LSD (5%)		12.6	1.4	2.5	3.8	1.2	314	-	-
LSD (10%)		10.5	1.2	2.1	3.1	1.0	262	-	-

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

Previous crop: German Millet

Planted: 05/02/2019

Harvested: 09/19/2019

Soil test to 6" in ppm: P=26 ppm K=301 ppm OM=1.8% pH=5.9

Soil type: Williams-Bowbells loam.

Soil test to 24" in lb/a: N=106 lb/a

Applied fertilizers in lb/a: N=21; P=24; K=0; S=6; Zn=0.6 (60 lbs/a MESZ applied with seed , 30 lbs of Urea broadcast)

Herbicide Applications: Valor @ 3 oz/a with LV6 @ 1pt/a (10/22/18)

[†]Oil adjusted to 10% moisture.¹DAP = Days after planting.