

Safflower Dryland Variety Trial - NDSU

WREC, Williston, ND 2020

Variety	Days to Flowering (DAP)	Plant height (in)	Stand (%)	Oil (%)	Test weight (lb/bu)	Yield				
						2020 (lb/a)	2019 (lb/a)	2018 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg* (lb/a)
Chickadee	83	23.2	76	41.9	43.1	1269	1865	1136	1567	1423
Cardinal	85	22.0	39	43.5	43.0	1280	1583	1241	1432	1368
Hybrid 300	83	23.2	78	35.9	43.6	1516	1400	1162	1458	1359
Hybrid 1601	83	22.5	78	42.2	35.9	1380	1375	1273	1378	1343
Hybrid 446	82	23.4	81	34.2	43.3	1221	1375	1305	1298	1300
Hybrid 528	82	22.6	70	45.0	35.3	1066	1500	1261	1283	1275
Hybrid 200	82	25.3	76	35.0	42.9	1271	1239	1300	1255	1270
Morlin	80	20.8	84	45.5	39.9	1171	1442	1095	1306	1236
Montola 2003	81	21.2	65	41.6	41.6	1311	1216	989	1264	1172
MonDak	82	21.9	64	39.4	41.6	1161	1360	914	1260	1145
Finch	82	21.2	68	44.3	45.1	1215	934	926	1074	1025
NutraSaff	82	21.1	78	52.7	37.2	1043	986	959	1014	996
Hybrid 621	84	23.5	70	45.6	32.7	1046	856	1001	951	968
Rubis Red	81	20.2	63	38.9	45.1	729	1143	885	936	919
Montola 2000	82	20.3	74	42.1	41.2	1196	1452	-	1324	-
Montola 2001	84	22.8	91	41.7	37.5	1021	-	1361	-	-
STI 1201	85	22.5	68	45.1	38.1	1198	938	-	1068	-
STI 1401	83	22.6	66	49.6	35.1	877	-	-	-	-
Mean	82	22.2	71	43.1	39.3	1117	-	-	-	-
CV (%)	2.3	8.4	25.0	1.8	2.1	17.8	-	-	-	-
LSD (5%)	2.6	2.6	25.0	1.1	1.2	281.3	-	-	-	-
LSD (10%)	2.2	2.2	20.9	0.9	1.0	235.1	-	-	-	-

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

Previous Crop: Wheat

Planted: 04/30/2020

Harvested: 09/15/2020

Soil test to 6" in ppm: P= 22 K= 264 OM= 1.9% pH=5.6

Soil type: Williams-Bowbells loam

Soil test to 24" in lb/a: N= 10

Applied fertilizers in lb/a: N=30; P₂O₅=18; K₂O=0

Applied fungicides: 07/15/2020 - Azoxystar @ 8 oz/A

Applied herbicides: 06/15/2020- Clethodin @ 8 oz/A, 07/06/2020-Allure II @ 12 oz/A