

Safflower Variety Trial

WREC, Williston, ND 2016

Variety	Stand	Days to First Flower ¹	Plant Height	Oil			Test Weight	Yield		
				2016	2-Yr Avg	3-Yr Avg		2016	2-Yr Avg	3-Yr Avg
				%	----%----	lb/bu		(lb/a)	(lb/a)	(lb/a)
NutraSaff	73	76	21	47.8	47.7	46.3	38.9	1382	1451	1270
Finch	55	77	22	36.3	36.7	35.7	44.8	1736	1644	1420
Hybrid 528	40	76	22	41.2	42.2	42.1	33.9	1525	1650	1424
STI 1201	55	77	18	41.5	42.3	42.6	37.4	1589	1610	1464
Hybrid 621	64	75	22	38.2	39.3	39.3	38.6	1882	1796	1599
Hybrid 9049	53	75	20	30.5	31.3	31.0	43.9	1909	1846	1709
Hybrid 200	23	76	20	30.0	31.7	32.1	42.9	1377	1773	1762
Montola 2003	65	77	19	37.5	37.8	37.7	41.8	2176	2069	1785
MonDak	55	77	21	35.4	36.0	35.7	42.5	2251	2217	1915
Cardinal	66	77	24	35.7	36.5	35.2	44.5	2585	2240	1937
Hybrid 446	61	75	21	30.7	32.1	32.2	45.4	2692	2576	2160
Hybrid 1601	59	76	22	36.1	36.6	37.2	41.4	2558	2650	2161
Baldy	54	75	22	27.2	-	-	47.9	1779	-	-
Hybrid 300	58	76	21	31.7	-	-	44.4	2334	-	-
Rubis Red	48	77	23	30.0	-	-	48.2	2102	-	-
STI 1401	53	76	21	45.3	-	-	35.9	1449	-	-
Mean	54.9	75.9	21.2	35.95	-	-	42.03	1957.84	-	-
CV (%)	26.9	0.9	5.8	2.5	-	-	1.6	16.5	-	-
LSD (5%)	19.1	1.0	1.7	1.30	-	-	0.91	417.71	-	-
LSD (10%)	16.0	0.8	1.4	1.09	-	-	0.76	349.48	-	-

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

Previous crop: Durum

Planting Date: 5/5/2016

Harvest Date: 9/13/2016 and 9/14/2016

Harvested area: 49.2 ft²Soil test (0-6"): P=17 ppm; K=274 ppm; pH=6.5; OM=2.2%
(0-24"): NO₃-N=33 lb/a

Soil type: Williams-Bowbells loam

Applied fertilizer in lb/a: 41.94 N : 34 P₂O₅ : 0 K₂O : 8.5 SChemical Applications: Prowl H₂O at 3pints/a (preplant spring applied), Spartan Charge at 2.75fl.oz/a (preplant spring applied),
and Equation SC at 10fl.oz/a (at flowering), Gramoxone SL at 1 quart/a (preharvest dessication)First Flower¹ = 50% of flowers from primary headDAP² = Days after planting