

Safflower Production in Southwestern North Dakota

Safflower is a crop of minor importance in southwestern North Dakota as well as statewide. Trials at the Dickinson Branch Station are conducted in cooperation with the Williston Branch Station where variety improvement has been a cooperative effort with that station and the Eastern Montana Agricultural Research Center, Sidney, Montana.

S-208, S-541, Girard, Finch and Hartman are recommended varieties for western North Dakota.

Sprout damage was a severe problem for safflower in North Dakota in 1986, but trials at Dickinson were harvested before sprout damage occurred.

Table 28. 1986 Dickinson Safflower Variety Trial

Variety	Lbs./A Avg.	Test Wt. Lbs.
S-208	1635.7	38.0
S-541	1552.0	38.5
Girard	1530.9	37.5
Finch	1484.4	40.5
A-24	1342.1	39.5
Hartman	1087.5	34.5
Seeding Rate: 28.5 lbs./ac.		
Seeding Date: May 15		
Harvest Date: Oct 13		
Herbicide Applied:		
Treflan TR-10, preplant incorp.		
L.S.D. 5% = 274 C.V. = 14.8%		

Table 29. Summary of Agonomic Performance of Safflower in Western North Dakota

Variety	1986 Yields		1985		
	----- (lbs./acre) -----		Yield	T. Wt.	Oil
			(lb./bu)		(%)
	*	**	**	**	**
S-541	2134	1605	1223	34.1	42.6
S-208	1863	1455	1144	32.9	36.7
Hartman	1395	1021	886	33.3	34.1
Girard	1914	1341	1087	33.4	37.5
Finch	1708	1489	1182	36.7	37.3
A-24	1537	1105		35.4	37.3
Rehbein	1489		1187	35.8	35.1
Oker	1525		1018	33.0	38.4

* Minot, Hettinger, and Williston

**Minot, Hettinger, Williston, Stanley, New Town, Arnegard, and Dickinson