

SAFFLOWER PERFORMANCE – 1981

Safflower yields in western North Dakota for 1981 are summarized in Table 31.

The following information as well as the yield data for Minot and Williston was furnished by Mr. Neil Riveland, Agronomist, Williston Branch Station.

Hartman, Rehbein (two Sidney releases) and Sidwell have good alternaria and bacterial blight resistance, while S541, S208, S317 and S400 have only poor to fair resistance. US-10 has no disease resistance. Hartman is the variety to recommend, though it is slightly later in maturity than S208 and there is a limited supply of seed. S317, S400 and US-10 should not be recommended. S317 is high oleic acid safflower. All others are high in linoleic acid. Rehbein is the earliest maturing variety of the group but is lower in yield potential and oil content compared to Hartman. Sidwell has the lowest oil content of all listed varieties. Both Sidwell and Rehbein can be recommended for disease situations, provided their limitations are realized. With the seed supply limitations on Hartman and Rehbein, there will be quite a number of acres of each of these varieties planted. Both are high yielding with high oil content, but they have little disease resistance. Certainly their production should be discouraged in central and eastern North Dakota and under irrigation where disease potential is greatest.

Continental Grain Company at Culbertson, Montana and Agricom, Inc. of California (area office also located at Culbertson) are the two major contractors of safflower. Continental Grain is now contracting for \$200 per ton plus 1% for every 1% oil over 34%. Agricom has not stated their contract price.

Table 31. Safflower Performance Data – 1981

Variety	Dickinson		Minot		Williston
S-541	2064		1461		1584
S-208	1032		1455		1553
S-317	1995		1283		1349
Rehbein	1870		1269		1106
S-400	1957		1239		1167
Hartman	2049	<u>1/</u>	1198		1347
Sidwell	1392		1152		1004
US 10	1136		983		778
<u>1/</u> Calculated yield					