

TITLE: Miscellaneous Crops

PERSONNEL: A. J. Jarvi, H. N. Metcalf, Cooperator

LOCATION: Northwestern Montana Branch Station

DURATION: Undetermined

OBJECTIVES: Evaluate given species for seed production.

PROCEDURES: All entries were planted in a single 4 row plot with rows 20" long and 12" apart in an observation nursery. The nursery was planted on a non-irrigated site in Field R-9 on June 2, 1970.

RESULTS AND DISCUSSION:

None of the plantings of Thalictrum olasycarpum emerged even though seed bed was excellent. Also the planting of Silene conoidea failed to emerge. The species Daucus aurea produced an excellent stand but was late with plants just passed the flowering stage at the first killing frost on September 11, 1970. Seed yields are listed for the entries in Table 1. Camelina sativa and Crambe hispanica 'Indy' were mature prior to September 11, 1970. Seed was not fully matured in the crambe 'Prophet', late cow cockle or the forage radish on September 11, 1970. None of the cow cockle seed was black in color which is an indication of mature seed.

Table 1. Observation nursery of miscellaneous crops planted at the Northwestern Montana Branch Station in 1970.

Entry	Strain	Pounds per Acre	
		Seeding Rate	Seed Yield
<u>Thalictrum dasycarpum</u>	PI 349316	12	<u>1</u>
<u>Thalictrum dasycarpum</u>	PI 349317	12	<u>1</u>
<u>Thalictrum dasycarpum</u>	PI 349319	12	<u>1</u>
<u>Thalictrum dasycarpum</u>	PI 349321	12	<u>1</u>
<u>Thalictrum dasycarpum</u>	PI 349322	12	<u>1</u>
<u>Thalictrum dasycarpum</u>	PI 349323	12	<u>1</u>
<u>Daucus aurea</u>	PI 319403	18	0 <u>2</u>
<u>Crambe hispanica</u>	'Indy'	15	480
<u>Crambe abyssinica</u>	'Prophet'	15	540
Cow cockle	Late strain B67	10	660
Forage radish		20	510
<u>Silene conoidea</u>		4	<u>1</u>
<u>Camelina sativa</u>		4	600

1/ No plants emerged

2/ No seed set at first frost