COMPARATIVE ACRE YIELDS OF SUGAR BEET VARIETIES IN THE UNITED STATES AND CANADA DURING 1928

George Stewart

During the growing season of 1928, there were conducted in the United States and Canada about 24 or 25 comparative yield tests with sugar beet varieties. A few of these were conducted by large sugar companies whose policy is not to make their data available. At the time of writing, 20 sets of data from tests, fully to somewhat replicated and checked, have been obtained. Of these, one was in Canada, and nine were conducted at state experiment stations of the United States as follows: Prince Edward Island, 1; Minnesota, 3; North Dakota, 1; Kansas, 1; Wyoming, 1; Utah, 2; and California, 1.

Four of the tests were conducted by federal agencies located in the following states: Michigan (U. S. D. A. Sugar Plant Investigations), South Dakota (U. S. D. A. Western Irrigation Agriculture), Colorado (U. S. D. A. Sugar Plant Investigations), and Oregon (U. S. D. A. Forage Plant Investigations).

Six tests were conducted by various sugar companies in the following states: Iowa (American Beet Sugar Company), 1; South Dakota (Utah-Idaho Sugar Company), 1; Colorado (American Beet Sugar Company), 1; Idaho (Amalgamated Sugar Company), 2; and Utah (Amalgamated Sugar Company in cooperation with Utah Experiment Station), 1.

In addition to these replicated or checked tests, there were about a dozen others which lacked checks or which were not replicated. These are not included.

It is to be regretted that the data for the other tests were not available. It is hoped, however, that these 20 tests, distributed as they are in eastern Canada and from Michigan to California, will give some suggestion as to varietal behavior. All important sugar beet regions, except Nebraska and Montana, are represented by at least one test. Additional tests in the territories not represented...