The weed eradication work is planned so as to determine and test methods of eradicating noxious weeds common to Northwestern Minnesota. This work is to be done on Northwestern Minnesota farms in typical areas. This project will be greatly extended.

HORTICULTURAL DIVISION.

In the Horticultural Division, one of the principal lines of work is with the potato plant, including variety testing, to determine the varieties best adapted to Northwestern Minnesota; a study of tuber and leaf diseases, to determine the best methods of handling these diseases; a test of several methods of planting, to determine the method giving most profitable yield; and seed selection of potato seed, to determine relation to yield, vigor, and resistance to disease.

Extensive fruit, tree, and shrub investigations embracing variety and hardiness tests of tree fruits, small fruits, trees, shrubs and vines are in progress.

Garden crops and field root crops are being grown to determine the best varieties for Northwestern Minnesota.

LIVE STOCK DEPARTMENTS.

In the animal and dairy husbandry work, feeding experiments with horses, cattle, swine, and sheep are in progress. The station herds include animals of the different breeds which are used, in addition, for school stock judging work.

In the poultry department extensive trials comparing artificial with the natural incubation of chickens have been conducted. Cockerel fattening work, egg preservation, goose feeding, wet versus dry mash feeding, the influence of various plans and methods of poultry house construction, have been tested. Several bulletins have been published dealing with poultry raising.

The experiment work at the Northwest Station can now be said to be well organized. A report published early in 1916 dealing with the preceding five years, showed an extensive program of work, much of which gave immediate results, but many projects seemed to require longer periods of time for results to be of any value.