

In addition to the breeding program, a number of other distinct investigation or research problems are underway. Some of these have developed from the breeding work. The following list includes the more important of these:

1. Rates and proportions of oats, peas, and vetches for silage.
2. Varietal hardiness in alfalfa.
3. Varietal resistance to smut in oats.
4. Genetic studies in corn and oats.
5. Varietal hybridization in corn.
6. Selection in self fertilized lines in swedes.
7. Soil heterogeneity studies and field research technique.

This department also cooperates with other departments in several projects. Under the Soils Research Committee, the field plot and pot tests with alfalfa have been under our supervision.

As a result of a request from the Tobacco Division for some work with tobacco, we are cooperating with the Plant Pathology Department in carrying out this work.

Last year, as a cooperative project, work was undertaken on the pasture problem. This is an important project, of which, but a few phases can be attempted with our present facilities.