

great benefit to the State. A number of experiments with potatoes and other garden vegetables have also been conducted, a thrifty nursery and orchard have been established, several hundred small fruits and several thousand forest trees have been planted and many tests made as to the germinating power of vegetable and flower seeds obtained from a number of different dealers.

The course of instruction in agriculture includes practical training in farm work.

CONNECTICUT.

The Sheffield Scientific School, which is one of the departments of Yale College, received the agricultural land grant on condition that it provided suitable and competent instruction in agriculture and the mechanic arts. The endowment fund from land sales amounts to \$135,000. The institution is situated in the town of New Haven, and the value of the grounds, buildings and apparatus is \$200,000. The course of instruction is very thorough in all the sciences bearing on agriculture, and lectures are given on the cultivation of staple crops, tree planting, &c.

Experimental Station.

Connecticut was the first State which established an experimental station in agriculture. This was originally located in the eastern wing of Sheffield Hall, where good work was done for several years. In 1879 the present efficient director of the station, Dr. S. W. Johnson, took charge of the work, and has conducted it in such a manner as to make it extremely useful to the agriculture of the State. At the outset the State appropriated \$5,000 a year for its maintenance, which has since been increased to \$3,000. A special appropriation of \$25,000 was also made for the purchase of land, and for buildings and apparatus. There is also a special tax levied on fertilizers sold in the State, to aid in defraying the expense attending their analysis, which adds about \$2,500 to the yearly revenue of the station.

There are seven acres of land attached to the institution, which, with the buildings on it when purchased, cost \$12,000. A chemical laboratory has since been erected, at a cost of \$5,000 for the building and \$2,500 for fittings, including many of the most improved forms of apparatus required for carrying on this special work. Other structures have also been built. No stock is kept here; there are no greenhouses, and very little outside work has been done. The operations carried on have been mainly chemical, particularly in the line of the analysis of fertilizers, of which there are in Connecticut about 130 different brands in the market. The State laws require that at least one analysis shall be made every year of each brand, and the reports of the station work contain returns of the results of these analyses, averaging in number more than 150 each year. In addition to this, much work has been done in determining by analysis the relative value of mixtures for feeding purposes, fodders, &c., also in the analysis of milk and many other articles of food.