

endowment fund is \$130,000, the land, buildings and appliances are valued at \$170,000. The annual income from the land grant is \$10,400, which is supplemented by annual appropriations from the State. The yearly expenditure is \$17,500, of which the salaries of the teaching staff consume \$15,500.

In connection with the agricultural department there is an experimental farm, also a chemical laboratory and museum.

CALIFORNIA.

The University of California obtained the agricultural college land grant on condition that special departments for the teaching of agriculture and the mechanic arts should be established and maintained there. The amount derived from this source was \$566,280, with land valued at \$26,860 still unsold. The University is a very extensive one, and is located at Berkeley. It has grounds, buildings and appliances valued at \$1,000,000, and a total endowment fund of \$1,678,386.

The annual income from the proceeds of agricultural college lands is \$39,226, a large proportion of which is devoted to agricultural teaching and experimental work. A course of lectures, combined with practical instructions, is given in agriculture, horticulture, botany and entomology, and a chemical laboratory is specially devoted to agricultural purposes. There are also three greenhouses, a nursery and propagating grounds, an arboretum and a garden of economic plants.

The orchards are large and include 150 varieties of apples, 140 of pears, 65 peaches; 55 plums, also a number of cherries, apricots and nectarines. The vineyard has 60 varieties of European grapes in addition to a large number of American origin.

Experimental Station.

An experimental station has been in active operation for several years, under the efficient direction of E. W. Hilgard, Professor of Agriculture. Extensive experiments have been conducted with fertilizers; in growing grain, forage plants, sugar cane, sugar beets, sorghum and other field crops. A large number of grapes have been introduced from all parts of the world, especially those varieties from which the most highly esteemed wines of Europe are made; also those from which the noted raisins of Chili and other countries are produced. Experiments have been made in grafting the best cultivated sorts of grapes on the wild vines of California and other thrifty growing stocks, for the purpose of ascertaining which will best resist the attacks of that injurious and troublesome insect, *phylloxera*, which has caused the California vinegrowers so much anxiety and loss. The insect, together with other injurious species, has also been studied, and measures suggested for its abatement and destruction.