

parative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States, as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states or territories."

The principal lines of work now being conducted are as follows:

The agricultural department conducts culture experiments, variety tests, fertilizer tests, tests of fungicides for rot, and scab of sweet and Irish potatoes.

The chemical department conducts digestion experiments, feeding experiments (cows, steers, pigs and horses), dairy experiments, special fertilizer tests with phosphoric acid, lime, potash and nitrogen and tobacco tests and general laboratory work.

The horticultural department conducts variety tests upon fruits, small fruits and vegetables.

The entomological department conducts the determination of the character and extent of insect ravages and of insecticides.

The soils department conducts physical examinations and classifications and geological classifications.

PUBLICATIONS OF THE MARYLAND AGRICULTURAL EXPERIMENT STATION.

- Bulletin No. 1, June, 1888.—History, Organization and Work of the Station.
- Bulletin No. 2, Sept., 1888.—Cutting Seed Potatoes for Planting. Appendix, with information about the Station.
- Bulletin No. 3, Dec., 1888.—Fodder-Corn and Fodder-Cane. Appendix, about taking and sending samples.
- Bulletin No. 4, March, 1889.—Experiment Orchard.
- Bulletin No. 5, June, 1889.—Experiment Orchard.
- Bulletin No. 6, September, 1889.—Commercial Fertilizers.
- Bulletin No. 7, Dec., 1889.—Farm Manures.
- Bulletin No. 8, March, 1890.—Some Feeding Trials.
- Bulletin No. 9, June, 1890.—Strawberries.
- Bulletin No. 10, Sept., 1890.—Wheat.
- Bulletin No. 11, Dec., 1890.—Tomatoes.
- Bulletin No. 12, March, 1891.—Pig Feeding.
- Bulletin No. 13, June, 1891.—Strawberries.