3. THE FIXATION OF NITROGEN UNDER FIELD CONDITIONS

J. G. Lipman

In round numbers, there were about 350 million acres in crops in the United States in 1923. A large portion of this land was under tilled crops and much of it in meadow and pasture. Corn, wheat, and oats, representing a total of about 200 million acres, cotton, with approximately 33 million acres, and hay crops of all sorts, representing 75 million acres, will account for more than 300 million acres of land in crops. A very considerable proportion of this acreage is used for the growing of legumes, particularly alfalfa, clover, soybeans, timothy and clover, cowpeas, and velvet beans, representing in all appreciably more than 40 million acres. With these figures as a

1Paper read as a part of the symposium on "Nitrogen Fixation" at the meeting of the Society held in Washington, D. C., November 11, 1924.
2Director of the New Jersey Agricultural Experiment Station, New Brunswick, N. J.

Published August, 1925