

save loss. Extensive as the losses from insects undoubtedly are every year, there was not until the present time any one book in which a farmer could hope to find mentioned all the common pests that come before him in his yearly operations. This conspicuous want has now been supplied by Dr. J. B. Smith, the Entomologist to the New Jersey Agricultural College and Experiment Station, and Professor of Entomology at Rutgers College. Dr. Smith has been for many years one of our leading authorities on practical entomology so that the present work gives not only what is well known about the insects treated of, but contains also the latest results of his own long experience. In his introduction the author points out that Economic Entomology is a science as yet hardly systematized, made up of fragments published in different places and frequently contradictory as to remedial measures suggested.

There have been books of information concerning insect enemies of certain crops or kinds of crops, but no one work gave the agriculturist and the student of economic entomology the basic knowledge that would enable him to recognize the nature of an insect he found causing injury or to decide what kind of remedies against it should be applied.

The present work consists of three parts : the first is devoted to Structure and Classification of Insects, and contains a chapter on their Growth and Metamorphoses. The second and main part of the volume is entitled the Insect World, and gives a succinct and well-balanced account of all the different natural orders into which insects are divided. Here are found mentioned in their proper places and for the most part illustrated with excellent figures, all the well-known injurious species, together with indications of the best remedies. In this division the author acknowledges assistance in the preparation of the chapter on Hymenoptera from Dr. L. O. Howard, the U. S. Entomologist, and in that on Orthoptera from Prof. Lawrence Bruner. The