

There is no evidence that it is or has been seriously considered to be contagious. The principal suggestions cluster about inspection of corn and corn products and the prohibition of commerce or use of spoiled corn.

Pellagra. By George M. Niles, M. D., Atlanta School of Medicine, 252 pages, illustrated. Philadelphia and London; W. B. Saunders Co., 1912. Cloth, \$3.00 net.

INJURIOUS INSECTS

Dean E. W. Sanderson has given us a most beautifully illustrated account of the principal insect pests. The illustrations are drawn from the most varied and authoritative sources. The text is in most places clear and direct, and the book is eminently readable. On examining it one is at once impressed with the marvelous value of co-operation in scientific work. Here are gathered from all quarters the results of the most laborious and painstaking work of hundreds of scientific men all over the country. It seems like the work of one man, and is ready for the common man to utilize.

There are twenty-eight chapters. The book begins with a general chapter on "Injury to Crops by Insect Pests," in which it is estimated that the annual damage done by insects in the United States is as much as \$1,000,000,000. An analysis is made of this total as it affects the various types of crops. A chapter follows on "Beneficial Insects," in which the work of predaceous forms, such as the ladybird beetle, and of parasitic types, is described. There are three chapters on control of insect pests, insecticides, spraying and the like.

The body of the book consists of a discussion of the insects injuring the special crops: as small grains; corn; stored grains; clover; tobacco; cotton; hop plant; potatoes and tomatoes; beans and peas; beets and spinach; cabbage and cruciferous plants; melons and squash, etc.; sweet potatoes; strawberry; raspberry and blackberry; currant and gooseberry; grape; orchard fruits (3 chapters).

It is difficult to see how this matter could be put into form more available for the general reader and student. It furnishes an excellent starting point for the amateur student with the microscope, as well.

Insect Pests of Farm, Garden and Orchard. E. Dwight Sanderson, Dean of College of Agriculture, W. Va. Univ.; 684 pages, 513 illustrations. New York; John Wiley and Sons, 1912. Price, \$3.00 (12/6) net.



Sanderson, Dwight. 1912. "Injurious Insects." *Transactions* 31, 126–126.

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