

http://www.biodiversitylibrary.org/

Monthly report of the Department of Agriculture ... / Department of Agriculture.

[Washington: G.P.O., 1863]-1876. http://www.biodiversitylibrary.org/bibliography/14273

1867: http://www.biodiversitylibrary.org/item/50081

Article/Chapter Title: 979 Author(s): Affleck, T. 1867

Subject(s): Locusts Page(s): Page 214

Contributed by: Mertz Library, The New York Botanical Garden Sponsored by: The LuEsther T Mertz Library, the New York Botanical

Garden

Generated 11 February 2014 2:54 AM http://www.biodiversitylibrary.org/pdf4/024341300050081

This page intentionally left blank.

EXTRACTS FROM CORRESPONDENCE.

LOCUSTS.

Wilkesboro', N. C.—While writing I may as well tell you something about the locusts-the mysterious war-winged insects visiting us once only in seventeen years, and then coming by stealth in the night time, and often "holding high carnival" for forty days, falling exhausted in the fields and roadways, to be consumed by the hogs, birds, and ants. These noisy little strangers have made their appearance in a wide belt of country a few miles northwest of this town, extending far northeast and southwest, embracing the Blue Ridge and running with it, and being from thirty-five to forty miles broad; the western limit being near the foot of the Stone mountain. The "oldest inhabitant" states that this identical belt of country was visited by them, as now, in 1850, and not since, and it is a subject of remark, and excites our wonder that the line as drawn then is identically the same now. Hogs were the first to herald the approach of the millions, and they have been the gainers by the discovery, as the delicate, sweet, fleshy morsels have kept the swine greasy enough for pork the whole time since frost came out of the ground. Hogs feed upon them to advantage till they crawl up a tree or fence, where they split on the back and come out flies, after which the exhausting, dying process renders them innutritive, and some say pernicious. They are now well established in their leafy home, and a more disorderly, noisy assembly never congregated. Hunters say that deer and other timid game avoid the locust belt when it is in eruption. I am informed that beyond this belt for a considerable distance locusts have never been seen. Is it because of the proximity and contact with limestone?

THE COTTON AND BOLL WORM.

Parish of Jefferson, La.—Allow me to call your attention to the destruction of the cotton crop by the worms, which appear to increase yearly. In 1864 I planted about one hundred acres in cotton. In July the worms made their ap pearance. Having no experience in raising this crop, I searched in the agricultural reports for information. Mr. Glover recommended the burning of trap lanterns, and I made three of them with a coal-oil lamp and tin basin, with soapsuds underneath, and burned them every night. The first night I caught about seventy-five millers and innumerable other insects. The number increased to three hundred millers, and then gradually diminished to none. For three weeks after the crops of my neighbors were destroyed I found only a few of my plants attacked; about the last week of the three I caught no millers, but all at once the catch was seventy-five, next night one hundred and fifty, then three hundred, and even up to five hundred. The worm, however, gradually made its appearance more and more, until in the middle of August my cotton was stripped of every leaf and bloom. The worm then turned in pupa. In ten days after this the miller again appeared. Meanwhile the cotton had sprouted again, and was in full bloom when the third brood made its appearance in immense numbers. In three days every leaf and young boll was eaten, and the worm was eating the bark of the plant and the glazed protection of the nearly-matured bolls. The heavy rains of September soaked into the bolls and rotted them. I made only three bales of cotton. In July the prospect was good for at least seventy-five bales. My opinion is that if every planter would commence burning a lantern in each five acres from the latter part of June to the middle of September for a few years in succession both the boll and cotton worm would be destroyed. The boll worm destroys about one-half the crop with us. This year none of my neighbors raise cotton. I have planted about five acres, and shall burn one lamp and inform the department of the result. Cost of