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SPRING DESTRUCTION OF TERRAPIN BUGS

Only Adult Bugs Survive the Winter Rate of Increase. How to Destroy Them.

The annual loss caused by terrapin bugs sucking the life out of collards, cabbages, turnips and allied plants is difficult to estimate accurately, but certainly amounts to thousands of dollars in North Carolina. A large portion of this loss may be prevented if farmers, gardeners and truckers will take the trouble to collect or in some way to destroy the bugs that first appear this spring. We have conclusive evidence that such work may be made a paying investment. We cannot, however, continue to wait, as is usually done, until the bugs become so numerous as to cause very noticeable injury to gardens or fields, but on the contrary they must be destroyed before they commence to lay eggs; otherwise the annual loss will remain the same or will increase.

In November last this station published a press bulletin urging farmers to immediately collect and kill the terrapin bugs, then in their fields, to prevent their living in such numbers through the winter. Now it seems advisable to urge the equally important work of destroying those individuals that escaped last fall, and which will soon commence to come out from their winter hiding quarters. Eggs and young bugs do not live through the winter in this state; hence it is only full-grown, strong, adult males and females which survive by finding favorable hibernating quarters under rubbish around the gardens, under stones, in fence corners and similar places, where they are protected from the weather. As this has been a mild winter, they are liable to appear in greater numbers than usual in the spring.

We could not consistently urge the task of destroying the overwintering bugs if they commenced to lay eggs upon their first appearance. Careful observation has shown that at least two weeks' time elapses after the bugs appear before the first eggs are deposited. During this period they are very actively feeding and mating, and the majority will congregate in the few old plants left from last season's crop. Wild mustard and turnips are favorite food plants, and collards, with their broad leaves, often harbor a large number of them.

The prime object of this article is to emphasize the fact that the farmer or gardener who watches closely for the first terrapin bugs to appear has about two weeks' time to kill them and still prevent the majority from laying eggs for the first generation.

Have you ever considered the actual benefit that results from killing one female terrapin bug when she first appears in spring? Observe the following statements: The average number of eggs laid by each bug varies from eighty-four to ninety-six—that is, seven or eight masses of twelve eggs each, deposited over a period of from four to eight weeks. There are three full generations each year. Suppose we kill a single terrapin bug and thus prevent ninety-six young for the first generation, of which one-half might be females. If these forty-eight females reproduced at the same rate, the second generation would number 4,608 individuals. Counting only one-half as females, each capable of producing ninety-six young, the third generation would reach the enormous number of 221,184, the progeny of one female in a single year. We can divide this number by one hundred and still have over 2,200 as the number of bugs prevented by killing one individual when she first appears. During the warm summer months a minute parasite in the

form of a tiny black fly destroys a large percentage of the eggs, but as a general thing these parasites do not become abundant until the first generation is well developed; so that the destruction of the bugs that produce the first generation is more essential than the death of bugs later in the year. Another point in favor of early destruction!

Are not the above facts sufficient to impress farmers with the importance of spring destruction of terrapin bugs?

Hand Picking.—This is probably the most valuable method of killing terrapin bugs at any season of the year. The work can be done rapidly by children. The bugs are inclined to hide on cold, windy or dark days; so that warm, sunny days should be selected for this task. We cannot expect to find all the bugs in one day, or even the majority of them. A good plan would be to collect two or three times a week, but be certain to commence in a few days after the bugs first appear. They may be killed by crushing or by dropping in a little kerosene.

Spray With Pure Kerosene.—When the bugs are abundant on worthless plants they may be killed with pure kerosene. With the aid of a small spray pump a large number of bugs may be killed in a few hours.

Arsenical poisons are not effective against this insect, which feeds by sucking the plant juices. Kerosene emulsion of 15 or 20 per cent concentration is used with success for killing small or half grown bugs, but this treatment will not kill many adults. By following the suggestions made above, the young bugs will not become numerous, but whenever spraying does become necessary kerosene emulsion is the best remedy to use.

R. I. SMITH, entomologist.

An Excellent Condition.
Dr. Charles W. Eliot, retiring president of Harvard University, who spent the day here, will leave tomorrow for the University of Alabama at Tuscaloosa.

Dr. Eliot's principal address today was at the high school auditorium where he discussed "Government by Commission." He maintained that the highest efficiency in municipal government is accomplished by small governing bodies placed in office by universal suffrage. He gave the results of his investigation in Galveston and other Texas cities which are under commission form of government, saying:

"In Galveston there are now no sinecures. The citizens get a day's work for a day's pay from every employe of the city—something that can be said in few instances in my home city, Cambridge, and cannot be said in any case in Boston."—Birmingham, Ala., dispatch.

The Cannon Mill Company will soon have a hotel, conveniently located at Kannapolis. It is now nearing completion and will contain, when finished, 16 or 18 bed rooms. It is beautifully situated on a knoll in a grove of large oak trees, and facing the railroad. It will be a handsome structure when completed.

The Lurid Glow of Doom

Was seen in the red face, hands and body of the little son of H. M. Adams, of Henrietta, Pa. His awful plight from eczema had, for five years, defied all remedies and baffled the best doctors, who said the poisoned blood had affected his lungs and nothing could save him. "But," writes his mother, "seven bottles of Electric Bitters completely cured him." For Eruptions, Eczema, Salt Rheum, Sores and all Blood Disorders and Rheumatism; Electric Bitters is supreme. Only 50c. Guaranteed by all Druggists.

A Remarkable Man.

There died in Catawba county the other day, quite suddenly, an old man named Mark Poovy, or Boovy, as some people spell it, aged about 80 years. He was what you call a "character"—unique, rugged, picturesque. Not one man in thousands was as robust for his age as he, and he worked hard and loved to do it, chewed worlds of tobacco, took his dram when he felt like it, boasted of his chimney-building, his ditch-cutting, his farming and delighted to jump up and crack his heels together three times before he hit the ground, daring young men to try the same stunt. An old Confederate soldier, brave as a lion, serving as a sharpshooter most of the time in the war, and a volunteer in the imperial armies of Lee, yet he hated the civil war from a tizzard and denounced the men he felt were responsible for bringing it on. After the war he would vote the republican ticket as regularly as election time came and hated the democrats as much as he loved to pick off Yankees on the firing line. This was one of the most remarkable things about him—the wide difference between his war record and his prejudices. Rough, free-spoken, honest, straightforward, loving the wild joys of living, dancing jigs in his boots with as much precision and ability as he handled profane language and voted the radical ticket, laboring years after he had passed the age limit which retires most men, he was, all in all, a remarkable old gentleman.—Lexington Dispatch.

A Great County.

Scotland county is the finest farming land in the State. The land is level and the soil is as soft as sugar. As a cotton producer, Scotland county beats many of the famous cotton counties of Texas. A Scotland county farmer has given to the Laurinburg Exchange some facts that will bear out this assertion. Speaking of the 1908 crop, he says: "H. W. Malloy planted 800 acres and made 825 bales; T. C. Everett 500 acres, made 820 bales; W. DeB. McEachen, 810 acres, 825 bales; R. R. Covington, 880 acres, made 852 bales; Alex. Jones, 240 acres, made 240 bales; J. A. McBride, 140 acres, made 150 bales; F. C. McCormick, 75 acres, made 75 bales; R. D. McKinnon, 54 acres, made 66 bales; W. N. McKenzie, 68 acres, made 72 bales; J. F. Blue, 80 acres, 85 bales—all bales weighing 500 pounds." More than that, he says these instances of big cotton yields in Scotland county, could be multiplied by the hundreds," and it is added that these cotton farmers are self-sustaining, as all of them grow their own meat and bread. And they raise corn, too, in Scotland county. For instance, F. C. McCormick planted 25 acres and harvested 1,000 bushels; W. D. McFadden, 60 acres, 8,750 bushels; L. D. McKinnon, 15 acres, 700 bushels; E. W. McKinnon, 25 acres, 1,000 bushels. Scotland is a great county.—Charlotte Chronicle.

Mr. Rowe, superintendent of the bleachery at Kannapolis, is erecting a nice eight-room cottage in front of the station at that place, just across the railroad. When finished it will be a handsome building. Mr. Rowe will occupy the cottage when completed.

FAIR EXCHANGE.

A New Back for an Old One. How It Can Be Done In Salisbury.

The Back aches at times with a dull, indescribable feeling, making you weary and restless; piercing pains shoot across the region of the kidneys, and again the lions are so lame to stoop is agony. No use to rub or apply a plaster to the back in this condition. You cannot reach the cause. Exchange the bad back for a new and stronger one. Salisbury residents would do well to profits by the following exchange.

Mrs. J. W. Stimson, 380 E. Broad St., Statesville, N. C. says: "I willingly give Doan's Kidney Pills my endorsement in the hope that other persons suffering from kidney trouble will learn of this remedy and be benefited. My son was afflicted with this complaint for several years. The kidney secretions were too frequent in passage and I began to worry about his health. A number of remedies were tried but he gradually grew worse until Doan's Kidney Pills were brought to his attention. In a few weeks after using them he was greatly relieved and he is now free from kidney trouble and in much better health.

For sale by all dealers. Price 50cts. Foster-Milburn Co., Buffalo, New York, sole agents for the United States. Remember the name—Doan's—and take no other.

Walked to New York from Salisbury.

Frederick A. Steels, of New York, and wife are in Raleigh. Mr. Steels is here on business. His grandfather, when a small boy walked from Salisbury, N. C., where he was born, and was afterwards Governor of New Hampshire, to New York. Mr. Steels had hoped to be able to visit Salisbury, but his business calls him to Washington today.—Raleigh News and Observer.

THE BEST REMEDY

For Women—Lydia E. Pinkham's Vegetable Compound

Noah, Ky.—"I was passing through the Change of Life and suffered from headaches, nervous prostration, and hemorrhages. Lydia E. Pinkham's Vegetable Compound made me well and strong, so that I can do all my housework, and attend to the store and post-office, and feel much younger than I really am."—Lydia E. Pinkham's Vegetable Compound is the most successful remedy for all kinds of female troubles, and I feel that I can never praise it enough."—Mrs. LIZZIE HOLLAND, Noah, Ky.

The Change of Life is the most critical period of a woman's existence, and neglect of health at this time invites disease and pain. Women everywhere should remember that there is no other remedy known to medicine that will so successfully carry women through this trying period as Lydia E. Pinkham's Vegetable Compound, made from native roots and herbs.

For 30 years it has been curing women from the worst forms of female ills—inflammation, ulceration, displacements, fibroid tumors, irregularities, periodic pains, backache, and nervous prostration.

If you would like special advice about your case write a confidential letter to Mrs. Pinkham, at Lynn, Mass. Her advice is free, and always helpful.

"We Laughs Best Who Laughs Last."

Twenty-five years ago or more a little country boy went to town, one day. He drove a lean, raw-boned mule, hitched to a rickety old buggy. His clothes were coarse, of that kind that country boys of that day and time wore. As he was going along the street he met a town boy who was driving a fat horse hitched to a new and shiny buggy. The town boy broke into laughter. "What an ugly old mule!" he exclaimed. "And what a disgraceful old buggy. And did anybody ever see such outlandish clothes as the country boy wears?" The town boy meant no real harm, perhaps, but his words and his laughter hurt the country boy very much. In all his life nothing hurt him quite so much. That was a long time ago, and the town boy and the country boy are men now. The country boy is now one of the leading business men of his section. He has many men in his employ. Not very long ago he employed the man who was a town boy and who had jeered at him that day, long ago, to fill a minor position at a small salary. The man who has the minor position, and who, by the way, was very glad to get it, has no doubt forgotten all about laughing at the country boy, but his employer has not forgotten it, although he never speaks of it. Did this happen in Anderson? you ask. Perhaps it did. We should be very much surprised if it did not, for it has happened, with perhaps some slight change as to detail, in every town. And it will happen again. It is the way of the world.—Anderson, S. C., Mail.

The second quarterly conference of the China Grove circuit was held at Landis Saturday and Sunday, the 18th and 14th inst. On Sunday morning at 11 o'clock there was preaching by Dr. Rowe, followed by the sacrament of the Lord's supper.

THE WATCHMAN \$1.00 per year

THE COOLEEMEE JOURNAL.

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