

THE EXPERIMENT STATION

Of North Carolina at Raleigh.—Important to Farmers.

JUNE 8, 1893.

This institution was organized by legislative enactment in 1877, and has for sixteen years been laboring for the best interests of the agriculture of North Carolina.

The station has issued during these years a million and more copies of bulletins, all bearing upon improvement of the state's agriculture.

The fund for the support of the station is derived from the general government, and no appropriation is received by it from the state.

The station desires and needs the active co-operation of all people of the state, for without this co-operation it can do but little effectual and permanent work.

In order to extend its usefulness, the station will present to the readers of this paper, once each month, three columns of matter of peculiar interest to farmers.

The general subjects embraced in this agricultural matter will be 1. Announcements.

2. Descriptive notes of Station bulletins.

3. Summaries of results of investigations at the Station.

4. Letters of inquiry and replies to same.

5. Special agricultural articles of general interest.

Letters of inquiry from any person upon any agricultural subject will be encouraged. Replies to same will be made at once by the member of the Station staff most competent to do so in whose special field the question lies.

All questions must invariably be addressed to "The N. C. Agricultural Experiment Station, Raleigh, N. C." Questions and replies of general interest will be also printed in these columns for the benefit of all readers.

The bulletins of the Experiment Station are supplied free to those residents of the State who request them. The regular bulletins contain such subjects of immediate interest and value, and are written in plain language for popular reading.

The Experiment Station has two general parts, as follows: A.—The Fertilizer Control Station. B.—The Agricultural Experiment Station.

In order to facilitate its work, the Station has been classified into 1. Executive Division. 2. Chemical Division. 3. Agricultural Division. 4. Botanical Division. 5. Entomological Division. 6. Horticultural Division. 7. Meteorological Division. 8. Division of Publication.

Visitors are cordially welcomed at any time, and the work carefully explained to them. The headquarters of the Station are in the Agricultural Building, immediately north of the Capitol building in Raleigh. In the north wing are located the offices, the chemical laboratories and store-rooms. On the basement floor is the document room, where are kept the publications of the Station, and where the mailing of these publications takes place. On the third floor is situated the mycological laboratory, botanical and entomological work-rooms; also the meteorological division of the Station, organized as the State Weather Service, co-operating with the United States Weather Bureau.

On the roof of the building are located the various instruments for recording meteorological observations, together with a thirty-five foot flag-staff for displaying flags for disseminating the weather forecasts.

The Experiment Farm is located about one mile and a half west of the city, and adjoins the grounds of the State Agricultural Society. It is in close proximity to the grounds of the North Carolina College of Agriculture and Mechanical Arts, and the students have access to the experiments, and study their progress and their results.

On the farm are located the experimental dairy, silos and barn, in which are the cattle under test for production of beef, milk and other purposes. Field-crop tests are also conducted, as far as possible, upon the land of the farm. Here, also, is the field and plant house work of the horticultural division. The Experiment Farm is connected by telephone with the city offices. The Hillboro street line of electric cars of the city stops in easy walking distance of the farm.

If you have a sidehill convenient to your stable, you can put your silo in it so as to fill from above to good

Table with 3 columns: Item, Quantity, Price. Includes items like Silos, Planks, Boards, etc.

The door hinges and nails with hasps, together with two barrels of cement and two of lime, for foundation and floor, will be all the additional expense for material.

Station bulletin No. 89 treats of silos. It is sent upon application.

Insects Beneficial to Truck and Other Crops.

(GERALD MCCARTHY, ENTOMOLOGIST, EXPERIMENT STATION.) Insects are not altogether enemies or pests. The value of the silk worm and honey bee are known to all.

While waging a relentless warfare upon the insects which prey upon our crops, we should spare, encourage and protect our insect allies. These latter, as one might imagine from their precarious habits, are generally large and ferocious-looking, with powerful jaws for seizing and tearing their prey.

Among the most beneficial insects none are more abundant than the "lady-bugs" (Coccinella)—several species. These are the natural enemies of plant-lice. The larva of the lady-bug resembles a miniature alligator, and its appetite for plant lice is simply amazing.

Fig. 27.—Green Ground-Bee. Among the most beneficial insects none are more abundant than the "lady-bugs" (Coccinella)—several species. These are the natural enemies of plant-lice.

Fig. 28.—The Murky Ground-Bee. The larvae of the Murky Ground-Bee (Harpalus nigripes) and its larva. The beetle is of a blackish color, and the exact size shown.

Fig. 29.—Larva of Murky Ground-Bee. Address all questions to the "N. C. Agricultural Experiment Station, Raleigh, N. C." Questions may be sent in by any one and the subjects may embrace any agricultural topic.

Fig. 30.—Thick-Thighed Soldier-Bug. The noxious cucumber beetle may be known from the true lady bug by its being striped instead of spotted. Lady bugs with us are never striped.

Fig. 31.—Elongated Ground-Bee. This is one of our most common, elegant and useful insects. It is of a shining green color, without spots or stripes.

Fig. 32.—The Virginia Tiger-Beetle. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.

Fig. 33.—The Virginia Tiger-Beetle. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.



Fig. 27.—Convergent Lady-bug, a larva. It is most useful in the lettuce season.



Fig. 28.—The Murky Ground-Bee and Larva.



Fig. 29.—Thick-Thighed Soldier-Bug.



Fig. 30.—Larva of Murky Ground-Bee.



Fig. 31.—The Virginia Tiger-Beetle.



Fig. 32.—The Elongated Ground-Bee.



Fig. 33.—The Virginia Tiger-Beetle.

Fig. 10.—The Virginia Tiger-Beetle. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.

Fig. 11.—The Elongated Ground-Bee. This is one of our most common, elegant and useful insects. It is of a shining green color, without spots or stripes.

Fig. 12.—Banded Soldier-Bug. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.

Fig. 13.—The Virginia Tiger-Beetle. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.

Fig. 14.—The Elongated Ground-Bee. This is one of our most common, elegant and useful insects. It is of a shining green color, without spots or stripes.

Fig. 15.—The Virginia Tiger-Beetle. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.

Fig. 16.—The Elongated Ground-Bee. This is one of our most common, elegant and useful insects. It is of a shining green color, without spots or stripes.

Fig. 17.—The Virginia Tiger-Beetle. This is a large class of ferocious and carnivorous insects which are in an indirect way, extremely useful to all growers of plants, because they hunt out and destroy the eggs, larva or mature forms of noxious insects.

THE CURSE OF WEALTH.

The tramp, for some mysterious reason, had accepted an offer to work about the place, for which he was to receive his meals, sundry old clothes, and twenty-five cents a day in cash.

"You've been very kind to me sir," he said, "and I want to thank you for what you have done."

"That's all right," was the reply. "I'm glad to be able to help you."

"I know that, sir, and I appreciate it, but I shall have to give it all up sir."

"What's that for? Don't I pay you enough?"

"Oh, yes sir; that isn't it. I have 75 cents left sir, but I find that money doesn't bring happiness, sir, and I guess I'll resign and go back to the old ways, sir. Wealth is a curse to some people sir, and I fancy I belong to that class. Good-by sir," and he shuffled off down the path and struck the highway.

SUNSET—A PROSE POEM. The sun is deep in the west. Her heavenly bed is made. The evening red, her old, old, true servant has arranged her purple pillows.

It is a warm day and the sun is tired. She prepares herself for retirement. The pressing, heavy, gorgeous raiment she has stripped off—she is about to grasp the last of her golden ringlets.

Now she stands there in the deepest negligence! Unconsciously the blush of shame appears upon her cheeks. A last shy look in the world—had any one seen her?

And truly, there he looked askint, already above the horizon, cautiously, only a part of his face—the moon! the impudent moon!

He has always got to look; no one is ever secure from him. Suddenly, with a glow on her face, she throws him an extremely angry look and jumps into bed. The purple pillows close together over her like flames.

Sleep well, Madam Sun.—Translated from the German.

ADVERTISEMENTS.

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PROFESSIONAL CARDS. JAMES M. MULLEN, WALTER E. DANIEL, MULLEN & DANIEL, ATTORNEYS AT LAW, WELDON, N. C.

T. W. HARRIS, D. D. S. I want to plant for market, North, Cor. for early root-crops, and also a crop of early turnips.

THE WELDON RACKET STORE, H. C. SPIERS, MANAGER. Littleton, N. C. Teeth Extracted without pain. 4-30-6m.

NEW ADVERTISEMENTS.

Ayer's Hair Vigor RESTORES Color, Fullness, and Texture TO HAIR Which has become Wiry, Thin, or Gray. "Some five years ago, I was not a little alarmed to discover that my hair was falling out, threatening speedy baldness. AYER'S Hair Vigor being recommended, I procured a bottle and at once applied it to my hair and scalp, continuing to do so for several weeks, and was happily surprised that my hair stopped falling and new hair came out full of life and vigor."

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