

THE EXPERIMENT STATION



AT RALEIGH, NORTH CAROLINA. Harvesting and Threshing Cowspeas by Machinery—Insect Pests of Shade Trees—Feeding Calves—Questions and Replies.

August 1895.

The Experiment Station Bulletin. The standing offer is made to send the bulletins of the station to all in the state who really desire to receive them.

Harvesting and Threshing Cowspeas by Machinery.

The great need of southern planters is an efficient machine to gather and thresh cowspeas. This is now done by hand and at a cost too great for them to become very widely planted for both a renovating and money crops.

Some species of trees are more exempt than others from insect attack. In setting out new trees these species should be given the preference.

Advanced Monthly Summary of Meteorological Reports for North Carolina, July 1895.

The North Carolina State Weather Service issues the following advanced summary of the weather for July 1895, as compared with the corresponding month of previous years.

What is needed is a serviceable Pea Harvester, that will gather the peas from the vines in the field, and not merely a pea thresher.

Insect Pests of Shade-trees. During the last few years there has arisen an ever increasing strain of complaint against the insects which have begun to ravage the shade-trees in southern cities and towns.

1.—THE CATERPILLAR—Climacampa distria. These worms form dome shaped nests in the crotches or among the branches of various trees, but more especially the oak and hickory.

2.—FALL WEB-WORM—Hyphantria testator. The webs of this insect become most painfully conspicuous in the late summer and fall months.

REMEDIES: The same as for the Tent Caterpillar. This worm feeds by preference upon the sycamore, poplar and white maple. It is also a pest in neglected orchards.

3.—THE ELM-BEETLE—Galeruca Xanthomelana. This insect is of foreign origin, only recently introduced and still chiefly found upon the European Elm.

4.—THE TUSSOCK CATERPILLAR—Orygia Coccostigma. This worm is easily known by the four tufts of white hairs on its back resembling the dauber of a shoe brush.

REMEDY: Same as for No. 3. The above described insects are only a few of the most destructive species known to exist in this state.

On the supposition that the 12 per cent acid phosphate is sold for \$12.00 and the 13 per cent is sold for \$13.00, there is no difference in the value of the purchase.

Grasses for Hay and Comparative Values of Hay. I have tried a number of kinds of grasses and red and white clover—but they all die out in a short time except Heris grass.

North Carolina Weather During 1894. The North Carolina Experiment Station has issued an attractively bound work entitled "North Carolina Weather during the year 1894."

Feeding Calves. Two calves from grade Jersey heifers were left on their dams until six and three days old respectively.

continued five days. In a one pound of fresh milk to four pounds of separated milk was fed five days.

From the beginning of this feeding about a spoonful of lime water has been added to each feed. There was no scouring and both calves have grown well.

Acid Phosphate of Different Grades. If you will kindly answer the following questions you will greatly oblige a number of farmers in this section:

Take two samples of acid phosphate:—One analyzes 12 per cent, the other 13 per cent. Commercially one is worth \$1.00 more than the other.

Some claim that there is an excess of acid in most mixtures and that 13 per cent acid when bought to compound with other ingredients is no better than 10 per cent acid.

On the supposition that the 12 per cent acid phosphate is sold for \$12.00 and the 13 per cent is sold for \$13.00, there is no difference in the value of the purchase.

Grasses for Hay and Comparative Values of Hay. I have tried a number of kinds of grasses and red and white clover—but they all die out in a short time except Heris grass.

North Carolina Weather During 1894. The North Carolina Experiment Station has issued an attractively bound work entitled "North Carolina Weather during the year 1894."

Feeding Calves. Two calves from grade Jersey heifers were left on their dams until six and three days old respectively.

Questions and Replies. The Station will be glad to extend its usefulness by answering as far as possible questions on agricultural topics sent by any one in North Carolina who may desire to ask for information.

The Lesser Locust Injuring Crops. I enclose some of the different sized grasshoppers I am troubled with. I think they have changed somewhat in color, getting darker as they get larger.

HERE IS A TIP. And It Comes Straight From Mrs. Carlisle, They Say. A special from Clarksville, Tenn., dated Sept. 3, to the Louisville Times, says: "In a letter to a Southern Kentucky friend, Mrs. Carlisle is reported to have said that the Administration will support Hardin for Governor, because Carlisle will be a presidential candidate and can not afford to have his State go Republican."

Two Lives Saved. Mrs. Phoebe Thomas, of Junction City, Ill. was told by her doctors she had Consumption and that there was no hope for her, but two bottles Dr. King's New Discovery completely cured her and she says it saved her life.

Again the Funny Tombstone. They have queer stonecutters down in Maine. Deacon Hackett lost his second wife lately, a scrawny and shrewish woman, whose loss was not an unmixed sorrow.

Everywhere We Go. We find some one who has been cured by Hood's Sarsaparilla, and people on all hands are praising this great medicine for what it has done for them and their friends.

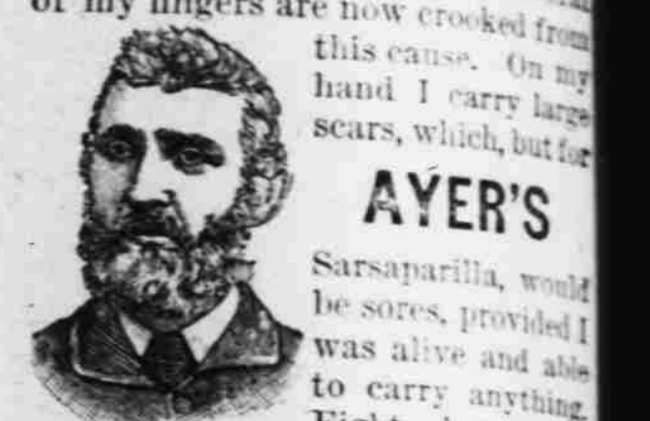
Contempt Suro. A juror having appealed to a judge to be excused from serving on account of deafness, the judge said: "Could you hear my charge to the jury, sir?"

TO YOUNG WIVES WE OFFER A REMEDY WHICH INSURES SAFETY TO LIFE OF MOTHER AND CHILD. "Mothers' Friend"

ROBS CONFINEMENT OF ITS PAIN, HORROR AND RISK. "My wife used only two bottles. She was easily and quickly relieved; is now doing splendidly."

A Sufferer Cured

"Every season, from the time I was two years old, I suffered dreadfully from erysipelas, which kept growing worse until my hands were almost useless."



Ayer's Sarsaparilla cured me, so that I have had no return of the disease for more than twenty years.

AYER'S THE ONLY WORLD'S FAIR Sarsaparilla

Help the Library! To help the Library, I propose as follows: Whenever a gentleman belonging to the Library Association, has his hair cut at my place and pays twenty-five cents, I will give him a ticket showing that I will pay the Association five cents, which he can hand to the Treasurer.

LIDDELL COMPANY, Charlotte, N. C.

We started by building cotton presses—that lead to the pulleys and shafting to drive them. Then we went to making saw mills in the winter months.

And elevator system of handling seed cotton. We represent them in North Carolina, furnish from our own factory the engine, boiler, press, pulleys and shafting.

Boilers. We furnish boilers of all kinds, from 6 horse power to 150 horse power. Also engines, saw mills, cotton presses, yarn and warp, cloth and hay presses, pulleys and shafting, mill gearing, and do repair work.

Engines. We have been building engines for nearly 20 years. Our business has grown from a small beginning and has carried us into many branches of machinery.

Facilities for handling and ginning cotton at the least cost, and with the best results. Gin houses that can be insured because the fire risk is greatly reduced.

H. C. DENNY City Barber

The best work and lowest prices. Most handsome compartments and super equipments. Give him a call. Milk, Butter, Eggs. Fresh meat, fish, water, fruit, vegetables, as well as milk, butter and eggs, are frequently loaded with germs of disease.