

The Iron and Braham Cowpeas Necessities Where Wilt and Root Knot Occur

In all of the places visited in the wilt infested sections of the State we have found root knot very prevalent. In fact root knot and cotton wilt seem to go hand in hand. Where one occurs the other is nearly always found. Either trouble is bad enough by itself, but where they both occur they frequently destroy whole crops of cotton and cowpeas.

Root knot is caused by small nematodes (eel worms) which bore into the roots of the plants and irritate the tissue, causing enlargement of the points attacked. These enlargements vary in size from almost nothing to the size of a pea and sometimes even larger.

When cut open and examined under a microscope these knots are found to be full of the tiny nematode worms. These live over the winter in the old roots and in the soil, and begin work again the next spring in the young roots. If the crops that they live on are kept off the land for several years, the nematodes are starved out.

We get rid of the root knot then by rotation; i. e. we grow on the infested land only those crops on which the nematodes cannot live. Corn, oats, wheat, rye, Iron-cowpeas, peanuts and velvet beans are safe crops to use in such rotation. Sweet potatoes, cotton, cowpeas, tomatoes, okra, cucumbers, watermelons, beans, tobacco, and a number of other crops are subject to root knot and are not safe to plant on infested land.

Wilt is caused by a parasitic fungus which grows in through the roots of the plants into the stems and plugs up the vessels which transport food and water back and forth to the different parts of the plant. When these vessels are clogged up the plant wilts and dies. The fungus which causes the trouble live in the soil and will remain alive for a number of years even when cotton and peas are left off the lands. The only way to control wilt is by the use of resistant varieties, varieties which are almost wilt proof. The varieties of cotton which are resistant to wilt, however, are by no means free from root knot encourages wilt because the fungus which causes wilt easily enters the roots through the wounds made by the nematode worms. The first step then in controlling wilt is to get rid of the root knot.

Now the ordinary farm practices which are followed in this State tend to encourage both wilt and root knot. In the first place, the wilt which attacks cotton and peas is practically the same, and the root knot which is common on cotton, peas, potatoes and tobacco is exactly the same. Cowpeas which are used in every imaginable rotation are subject to both of those troubles which prove so disastrous to cotton, so where we use the common varieties of cowpeas in our rotation we are encouraging both of these diseases. There are two varieties of cowpeas, however, which are free from both root knot and wilt. These varieties are the Iron and the Braham; and it is with the view of calling attention to these and emphasizing the necessity for their more general use that this article is written.

The South Carolina farmer cannot farm without cowpeas, yet where wilt and root knot occur he cannot grow the common varieties; and it is not safe for him to plant them even where they do make some growth, because they encourage the same disease of cotton. It is wise then to secure and grow the varieties which are resistant to both of these diseases—the Iron and the Braham varieties. These varieties are quite generally grown in some sections of the State, but are still unknown to many farmers who are badly in need of them. There is a great demand for pure seed of these varieties now, which demand is sure to increase; so it behooves all who have these varieties to plan to save all the seed possible. No other variety of cowpeas should be used on any farm where wilt or root knot occur.

A good rotation to practice where wilt and root knot occur is to follow cotton with corn—planting Iron Braham cowpeas, in the corn. Follow the corn with oats or wheat, then sow the stubble in Iron or Braham peas. After the peas, sow rye as a winter cover crop and plow it under before time to plant cotton the next spring.

H. W. BARRE,
Botanist.
Clemson College, S. C.

J. W. Jordan, a well known dentist of Hopkinsville, Ky., recently had an operation for his kidney trouble, but he says: "The first real relief I got was after taking Foley Kidney Pills. They eased the terrible pain in my back and accomplished more good than anything I had tried. I gladly recommend them."

Kaufmann Drug Co.

Killed in Auto Mishap.

Prince George William, the eldest son of the Duke of Cumberland, and his chamberlain, von Greve, were instantly killed in an automobile accident on the highway near Lriesack. They left Berlin intending to proceed to Copenhagen by way of Hamburg to attend the funeral of the prince's uncle the late King Frederick VIII.

What Texans Admire

is hearty, vigorous life, according to Hugh Tallman, of San Antonio. "We find," he writes, "that Dr. King's New Life Pills surely put new life and energy into a person. Wife and I believe they are the best made." Excellent for stomach, liver or kidney troubles. 25 cts at Kaufmann Drug Co.

Floyd Allen Found Guilty.

Floyd Allen, first of the Hillville mountaineers tried for the Carroll county court house murders, was adjudged guilty at Wytheville, Va., and will pay the penalty of his crime in the electric chair at Richmond. The jury was out all night and it was not until after 10 o'clock next morning that the twelve men had been brought to an agreement.

Floyd Allen was charged at this time specifically with the murder of Commonwealth's Attorney William M. Foster, prosecutor in the Carroll county court at Hillville last March when the trial of Allen culminated in the killing of five persons—Presiding Judge Thornton L. Massie; Prosecutor Foster; Sheriff L. F. Webb; Miss Elizabeth Ayres and Juror Augustus Fowler.

Wash out old sores, festering wounds and ulcers with DARBY'S PROPHYLACTIC FLUID. It is a wonderful disinfectant and healing remedy. It heals up running sores of long standing that will not yield to an ordinary liniment, because it destroys poisonous germs, cleanses the sore of foul matter and helps nature to repair the damaged flesh. Price 50 cts. Sold by All Druggists.

Bryan has ceased to read voters out of the party. It has dawned upon him that it may need them all.

A FACT ABOUT THE "BLUES"

What is known as the "Blues" is seldom occasioned by actual existing external conditions, but in the great majority of cases by a disordered LIVER.

THIS IS A FACT which may be demonstrated by trying a course of

Tutt's Pills

They control and regulate the LIVER. They bring hope and buoyancy to the mind. They bring health and elasticity to the body.

TAKE NO SUBSTITUTE.

Attempted Assault.

Bamberg Herald, 23rd. Tuesday afternoon there was brought to Bamberg and lodged in jail a negro boy named Lee Jones, with the horrible crime of attempted assault upon a little white girl, sixteen years old, the daughter of a prominent farmer who lives near town. The child is very small for her age, having been afflicted all of her life.

The negro was brought to town by the father of the child; which shows a respect for law and that he was willing to let the fiend be dealt with according to law.

Some time Tuesday the child started to go to a neighbors house, and she had to pass through a small patch of woods on the way. While passing through the woods the negro attacked her, but her screams and resistance frightened him away and he did not succeed in accomplishing his foul purpose. The girl made a vigorous defense, and in the struggle she was not hurt but badly excited and her nerves upset. As soon as the negro fled she returned home and told her parents, she recognizing the negro, and he was soon arrested at his plow in the field, which he had left to attack the child. The negro worked on the plantation of this gentleman, and had been fed from his table. At first harsh measures were advocated, but the mother of the child pleaded that her husband not stain his hands with the blood of the brute, and finally the negro was brought to Bamberg by the father and turned over to the authorities. It is said that he confessed to the crime as soon as he was arrested, and he will no doubt meet the death penalty for his crime.

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure. F. J. CHENEY & CO., Toledo, O. We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by his firm. NATIONAL BANK OF COMMERCE, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price 75 cents per bottle. Sold by all Druggists. Take Hall's Family Pills for constipation.

This is Some Hay.

Newberry Observer. Mr. S. M. Duncan has cut his acre of demonstration hay. The seeds were furnished by the government for demonstration purposes and were planted by five persons in the county. It is a combination of red clover, tall meadow grass, Italian rye and orchard grass. Mr. Duncan's acre yielded 5,000 pounds.

Mr. E. M. Cook of Prosperity and Mr. H. B. Wells of Newberry have also cut their acres, the former making 4,000 pounds, the latter 2,000.

Dr. Wheeler of Prosperity planted his seed on soil unsuited for hay, and his acre is almost a failure.

Mr. Welch Wilbur mowed his hay yesterday. He will cure it and weigh it and report the yield in time for the next issue of the paper.

Mrs. Rose A. Freeman, Clifford, Va, says they have long used Foley's Remedies and want to say a good word for them. She writes: "Foley Kidney Pills cured my husband of a long standing kidney trouble, after he had taken other medicines without relief. We would not be without Foley & Co's medicines in our house for many times their cost."

Kaufmann Drug Co.

Wife Slayer Killed.

When Policeman John C. Addison, of Charleston, S. C., broke down the cellar door of the home of Joseph Addison, a negro, he found him chopping the head of his dead wife with an axe. The negro madman turned on him with the bloody weapon. The officer drew his revolver and killed him.

Subscribe now for The Dispatch and Home and Farm.

The Milwaukee Sentinel says "this is a nation of jesters." But the jokes on the political stamps don't count.

A little romance in a man goes a heap further with a woman than wisdom.

A man feels about being a good example just the way a boy does about wearing curls.

Nobody will listen to advice for which he doesn't have to pay as professional opinion.

Nobody forgets to drive a nail in his own coffin lid ever so often, but nobody remembers there is only so much room for them.

A woman never gets so indignant with anybody in an argument that she can't get much more indignant with a peace maker who steps in.

One per cent of men are somewhat popular, but the whole 100 per cent think they are strongly so.

A man's family keeps him from putting lots of his money into bad investments by spending it for him.

In a row over five cents in a crap game at Crescent, three miles from Spartanburg, Ernest Kennedy shot and killed Jim Miller—both negroes.

A Southern freight train of 17 cars jumped the track near Wellford, Spartanburg county, on Wednesday, and 14 of the cars and their contents were burned.

For Sale.

One New Home Sewing Machine and one New Acme Sewing Machine, both drop heads and light runners; guaranteed to work perfectly and wear for years. Apply to Rice B. Harman.

Notice, Fishermen.

After May 1st, 1912, I will charge 50 cents a day for fishing in my pond. Fishing without permission is forbidden and persons violating this notice will be dealt with according to law. May 1, 1912—29. A. TAYLOR.

Southern Railway Schedule Changes.

Effective Sunday May 26th, 1912, train No 8 due to leave Augusta 7:30 a. m. will be changed and on and after that date leave at 8:35 a. m. passing stations between Augusta and Columbia approximately one hour and five minutes later. For exact figures, consult ticket agent. J. L. Meek, A. G. P. A., Atlanta, Ga. A. H. Acker, T. P. A., Augusta, Ga.

Dentist for Chapin.

Drs. J. W. & J. E. Boozer will fill appointments here. Their assistant Dr. Jno. T. Green will be at Chapin Hotel Wednesday, Thursday and Friday May 29th, 30th and 31st. 2w30

BARBECUE

We will furnish a Barbecue and Refreshments at Swanes on Saturday, 8th of June, 1912. We will have a first class dinner and a pleasant day. Gov. Bleasde and other able speakers will address the people on public topics. W. L. HENSON, JOHN J. EDER.

FISHING TACKLE

Have you seen our new line of fishing tackle, embracing hooks, lines, bobs, nets, canes, etc? We have everything to make your fishing trip successful. The Bazaar.

EGGS FOR SALE

Barred Plymouth Rock eggs for hatching, and a few cockerels for sale. Apply quick to Rice B. Harman.

NOTICE.

Notice is hereby given that a meeting of the stockholders of The Kaufmann Drug Co., is called for Monday, June 10th, 1912, at 12 o'clock noon, at the office of the said corporation, for the purpose of changing the name of Kaufmann Drug Co. to Harmon Drug Co. Rice B. Harmon, Vinnie Harmon, Directors.

No Fishing.

This is to notify all persons that fishing in my pond without my permission is forbidden. All persons violating this notice will be prosecuted to the full extent of the law. May 8, 4w30 H. STEELE.

FARMS! FARMS!

If you want to buy a good farm at right price anywhere in South Carolina, call on or write us. If you want to sell your farm quick for cash, make your price right and we will sell it for you, no matter where located. We sell choice city property, too.

Dickert & Eargle, 1507 Main Street, Columbia, - South Carolina. "Always Hustling."



Here's The Road to Comfort
A vanished thirst—a cool body and a refreshed one; the sure way—the only way is via a glass or bottle of
Coca-Cola
Ideally delicious—pure as purity—crisp and sparkling as frost.
Free Our new booklet, telling of Coca-Cola vindication at Chattanooga, for the asking.
Demand the Genuine as made by THE COCA-COLA CO. ATLANTA, GA.
Whenever you see an Arrow think of Coca-Cola.

Travelers in Switzerland average about 500,000 a year, of which number about 6 per cent are Americans.

A man in East India has invented an electric pen that carbonizes the sheet of paper over which it passes.

For service in war France has built a monoplane which carries three men. It is driven by a 200-horse power motor.

Workingmen's insurance in Germany secures to workmen and women altogether benefit to the value of about \$475,000 a day.

A machine has been invented in France for stringing beads.

The Old Reliable

We have added to our Harness and Saddlery goods the most complete and up to date line of Trunks, Suit Cases, Traveling and Hand Bags in Columbia, also a complete line of small leather novelties, all at popular prices.

Davis & Co., 1517 Main Street Columbia, S. C.

Does Your Wife Complain

About the old stove not baking as well it used to? Is it not a fact that it's best days are over and that it would please the whole family if you bought a new

RANGE?

Here are some Bargains—
Palace Six Hole Steel Range Burns any Kind of Fuel, Wood or Coal, Price \$30.00.
Same with Porcelain Linen Reservoir \$35.00.
New Juno, Six Hole, Cast Range \$18.00.

LORICK BROTHERS, 1519 MAIN STREET COLUMBIA, S. C.

I Am Headquarters For Doors, Sash and Blinds.

High Grade and Low Prices. See me before placing your order for building material

N. H. DRIGGERS, COLUMBIA, S. C. E. OSCAR FALLAW, Sales Mgr.

Perfect Skin
Dr. Woods Hutchinson, considered one of the most brilliant writers on modern therapeutics, says: "richness and freshness of color are

Richness and Purity of Blood
and vigor of circulation. A good complexion emphatically comes from within; only imitations and poor ones at that can be painted, plastered or rubbed on from without. To look well you must be well." If you want the clean, clear complexion glowing with the crimson of pure blood, the bright sparkling eye and the happy expression that comes from vigorous healthy blood, ask your druggist about Milam. A blood purifier and reconstructive tonic standing alone and without competition. If you suspect any other preparation of being in its class we ask that you read the labels. The pure food law protects only those who read the labels. No blood remedy should contain alcohol—a false stimulant and uric acid producer.

Buy Six Bottles for \$5.00, and Get Your Money Back if not Benefited
No alcohol or other dangerous or habit forming ingredients.

MILAM FOR GOOD BLOOD