AS TO CONTROL OF THE TOBACCO-WILT

Experiments by Specialists Indicate Disease Best Handled

BY PROPER SYSTEM OF CROP ROTATION

A Five Year Rotation of Tobacco on the Land is Advised.

Crop rotation is the only method which will give satisfactory results in controlling tobacco wilt, it appears from tests conducted over a series of years in the flue-cured tobacco district by the United States Department of Agriculture. By cropping badly infested land for five years with crops not affected by the wilt, the extent of injury to tobacco from the disease was reduced from 80 per cent to less than 10 per cent.

In arranging rotations the department specialists point out, care must be taken not to grow other plants attacked by the wilt organists. The plants susceptible to attack which should be avoided in the rotations include tomato, Irish potato, and peanuts. Rag weed which is very common in the flue-cured district, also is attacked by the wilt and it is important, therefore, that this weed be kept down and if possible eradicated. The crops shown by the tests to give satisfactory results in rotations are corn cotton, wheat, rye (as a cover crop) sweet potatoes, cowpeas, grasses, red clover, and crimson clover. Oats were not included in the tests but it does not seem likely that this crop is affected by the wilt.

Five-Year Rotation Recommended.

The tests made by the Department of Agriculture indicate that on badly infested land the growing of crops not attacked by wilt for four or five years will give better results than only three years of such cropping. The three-year period, however, greatly reduced the amount of wilt. The specialists believe that on badly infested soil a good general rule is not to grow tobacco oftener than once in every five years. After the disease has been brought under control, however, tobacco probably may be grown safely every fourth year. Under no circumstances should two crops of tobacco be grown in succession on infested soil

To keep the wilt off farms not already infested it is reommended that seed beds be thoroughly burned to insure complete sterilization and that care be taken not to allow surface drainage from infested farms to reach the seed bed or the tobacco land. Great caution should be used in securing plants or farming implements from farms on which the wilt is present. Tobacco stalks or stems from infested farms should not be used as a fertilizer on healthy soils. Every effort should be made to prevent infested soil or diseased plant material in any form from reaching the farm.

Symptoms of Tobacco Wilt.

Tobacco wilt produces definite symptoms in the leaves, the stalks, and the roots of the tobacco plant. When plants are attacked the leaves droop in an umbrella-like manner and the stalk shows yellowish to black streaks when the bark is stripped. When diseased stalks are cut across with a knife, slimy ooze appears. The disease also brings about decided decay of the root system. The organism responsible for the disease enters the plant through the root and eventually brings about a plugging of the vessels, thus cutting off the water supply from the leaves and causing them to perish.

In experiments carried on by the Department of Agriculture various acids, alkalis, and neutral salts, including fertilizer materials, were applied to the soil by varying methods and in varying quantity, and a large number of germicides were used. Subsoiling with the plow and by use of dynamite was also employed to see if such treatment would reduce the amount of wilt. In none of these tests were the results sufficiently encouraging to hold out hope of controlling the disease, and crop rotation therefore is believed to be the only practicably remedy.

Secretary Baker today reduced from 21 years to 20 years and nine months the minimum age for students in the third officers' training camp, which is to be opened in January for enlisted men.

STATE ITEMS

OF INTEREST TO ALL SOUTH CAROLINA PEOPLE

The regular monthly meeting of the State Council of Defense was held in Columbia last week when report and a general survey of the work were made.

Housewives will do well to be sparing with their sugar. The situation was told in The State several weeks ago, and a canvass of the situation indicates that there is little promise of relief for a month yet.

Soldiers at Camp Jackson are to have rare privileges this winter to see some of the best plays and operas on the road. A playhouse, with a seating capacity of 3,000 is to be constructed in Columbia cantonment within the immedaite future. It will be built in the civic center vicinity.

J. R. Daniel, who was reported as among the missing from the United States patrol boat Alcedo sunk by a German submarine, is a son of Mr. and Mrs. J. A. Daniel of Darlington. The young man was only 17 years of age when he applied at the recruiting station in Florence for admission to the navy.

Governor Manning has announced the appointment of Thomas W. Cothran of Greenwood chairman of the State Highway Commission vice Maj J. Monroe Johnson, commander of the South Carolina Batallion of Engineers, resigned. Major Johnson's resignation was in the hands of the governor when Major Johnson was ordered to report for foreign service recently.

Some little concern is being felt in the safety of Clarence Rawls, a popular Columbia boy who sailed from America many weeks ago to engage in active aviation duties in France. The exact time of Mr. Rawls departure from this country is not known, as sailings are now kept secret, but he is supposed to have sailed on the Prince Eitel Friedrich, an interned German liner, over a month ago.

Opinions from Folks Who Know

For malarial headache, Granger Liver Regulator entirely relieved my trouble.—J. Height, Wetumpka, Ala.

Had heavy headache. Vomited twice to six times a day. Four doses of Granger Liver Regulator made me well.—Loundas P. Brindley, Somerville, Ala.

Mother had sick headache. Granger Liver Regulator did her more good than all the medicine she had taken before.—Pearley Davis, Pacio, Ala.

I never expect to be without it in my home.—Jenie Usey, Gadsden, Ala.

It is a great saver of doctors' bills. —Louis N. Kent, Honoraville, Ala.

There is none better.—Dr. T. E. Cothran, Alexis, Ala.

All druggists sell Granger Liver Regulator—25c. Try it.

GREAT DECREASE IN SHIPS SUNK

London.—A marked decrease in British merchant ships sunk during the last week is noted in the admiralty report tonight. Only eight vessels over 1,600 tons were sunk by mine or submarine and four vessels under that tonnage. No fishing vessels were sunk.

The summary: Arrivals, 2,684; sailings, 2,379; British merchantmen over 1,600 tons sunk by mine or submarine, including two previously, eight; under 1,600 tons, including one previously, four. Fishing vessels sunk, none. British merchant vessels unsuccessfully attacked including five previously, six.

GOOD LAND FOR SALE

I have for sale a tract of forty (40) acres, more or less, lying on the south side of Lake Swamp, beginning at road at Lake Swamp church at W. F. and Lorenzo D. Holt's line and corner, running W. F. Holt's line to Haman Branch, thence said branch to G. J. Holliday's line, the line of Lorenzo D. Holt, and line of W. F Holt to the beginning point.

This is land which belongs to Mr. B. J. Holt, and was conveyed to him by Mrs. Jane Holt.

I can sell this tract of land for 1,000.00. Call or write me if interested. First come, First served.

H H. Woodward,
Attorney-at-law
Conway, S. C.

Whenever You Need a General Tonic Take Grove's.

The Old Standard Grove's Tasteless chill Tonic is equally valuable as a General Tonic because it contains the well known tonic properties of QUININE and IRON. It acts on the Liver, Drives out Malaria, Enriches the Blood and Builds up the Whole System. 60 cents

Like A Boy at 50 Bubbling Over With Vitality--Taking Iron Did It

Doctor says Nuxated Iron is greatest of all strength builders--Often increases the strength and endurance of delicate, nervous folks 100 per cent. in two weeks' time.

NEW YORK, N. Y.—Not long ago a man came to me who was nearly half a century old and asked me to give him a preliminary examination for life insurance. I was astonished to find him with the blood pressure of a boy of 20 and as full of vigor, vim and vitality as a young man; in fact a young man he really was notwithstanding his age. The secret he said was taking iron—nuxated iron had filled him with renewed life. At 30 he was in bad health; at 46 he was careworn and nearly all in. Now at 50 after taking Nuxated Iron a miracle of vitality and his face beaming with the buoyancy of youth. As I have said a hundred times over, iron is the greatest of all strength builders. If people would only take Nuxated Iron when they feel weak or rundown, instead of dosing themselves with habit-forming drugs, stmulants and alcoholic beverages I am convinced that in this way they could ward off disease, preventing it becoming organic in thousands of cases and thereby the lives of thousands might be saved who now die every year from pneumonia, grippe, kidney, liver, heart trouble and other dangerous maladies. The real and true cause which started their diseases was nothing more nor less than a weakened condition brought on by lack of iron in the blood. Iron is absolutely necessary to enable your blood to change food into living tissue. Without it, no matter how much or what you eat, your food merely passes through you without doing you any good. You don't get the strength out of it and as a consequence you become weak, pale and sickly looking just like a plant trying to grow in a soil deficient in iron. If you are not strong or well you owe it to yourself to make the following test: See how long you can work or how far you can walk without becoming tired. Next take two five-grain tablets of ordinary nuxated iron three times per day after meals for two weeks. Then test your strength again and see for yourself how much you have gained. I have seen dozens of nervous run-down people who were ailing all the while, double their strength and endurance and entirely get rid of all symptoms of dyspepsia, liver and other troubles in from ten to fourteen days time simply by taking iron in the proper form. And this after they had in some cases been doctoring for months without obtaining any benefit. But don't take the old forms of reduced iron, iron acetate or tincture of iron simply to save a few cents. You must take iron in a form that can be easily absorbed and assimilated like nuxated iron if you want it to do you any good, otherwise it may prove worse than useless. Many an athlete or prizefighter has won the day simply because he knew the secret of great strength and endurance and filled his blood with iron before he went into the affray, while many another has gone down to inglorious defeat simply for the lack of iron.—E. Sauer, M. D.

NOTE.—Nuxated Iron, recommended above by Dr. E. Sauer is not a patent medicine nor secret remedy, but one which is well known to druggists and whose iron constituents are widely prescribed by eminent physicians everywhere. Unlike the older inorganic iron products it is easily assimilated, does not injure the teeth, make them black, nor upset the stomach; on the contrary, it is most potent remedy in nearly all forms of indigestion as well as for nervous, run-down conditions. The manufacturers have such great confidence in nuxated iron, that they offer to forfeit $100.00 to any charitable institution if they cannot take any man or woman under 60 who lacks iron, and increase their strength 100 per cent, or over in four weeks' time, provided they have no serious organic trouble. They also offer to refund your money if it does not at least double your strength and endurance in ten days' time. It is dispensed in this city by all good druggists.

CONWAY DRUG COMPANY NORTON DRUG COMPANY
HORRY DRUG COMPANY

FARMERS ARE BREEDING WILT-RESISTANT COTTON

Individuals Cooperating With U. S. Department of Agriculture

Washington, D. C., Nov. 7.—As part of its work in combating the destructive cotton wilt, the United States Department of Agriculture is supervising the production for sale of wilt-resistant cotton seed by about 50 farmers in South Carolina, Georgia, and Alabama. These cooperative breeders agree to secure proper seed, to follow the breeding methods outlined by the field pathologist, to exercise necesary care to maintain the purity of their seed, and to offer it for sale at a reasonable price, not to exceed an amount previously agreed upon. They also agree not to sell seed not grown by them unless so stated.

A field pathologist, as a representative of the State and of the Department of Agriculture, provides these cooperative breeders with small quantities of select planting seed in the beginning or refers them to other breeders from whom they can purchase such seed at a reasonable price. He visits the breeders several times during the season to advise with them regarding the work and to show them all the details from the planting through the selection, note taking, and ginning. He will also soon take up the work of giving the breeders seed certificates.

Breeders who carry out in all details the methods of breeding advocated by the United States Department of Agriculture will be given certificates for "registered seed." All other seed where the standard of variety in wilt-resistance, productiveness, and purity is being maintained, but where the plant-to-row method is not being followed in all its details, will be certifeid as "improved seed."

Experts have warned planters that in order to protect themselves against the scourge they should diversify their crops and not remain dependent solely or almost solely, on the fleecy staple for their livelihood. They have agitated in season and out of season for some years.

PERUNA Best All Around Medicine Ever Made

I Hope You Will Publish This Letter

Mr. W. H. Edgar, 49 Cooper St., Atlanta, Georgia, writes:

"I suffered for fifteen years with rheumatic symptoms. Peruna cured me and I think it is the best all around medicine ever made. I hope you will publish this letter for the benefit of others who suffer."

Those who object to liquid medicines can procure Peruna Tablets.

We Mean to Lead

One reason why we always lead is that we know what to buy to suit the needs of the people of this section of South Carolina.

Another reason we lead is that we do some careful buying in the way of the lowest prices to be had on the markets for the goods the people want and need.

Another reason is that we believe now, as we have always done, that the public is entitled to a square deal.

We mean to lead.

VISIT US AT OUR STORE.

DUSENBURY & CO.

Toddville, S. C.

FOREIGN ITEMS

GATHERED AND CONDENSED FOR EASY READING

John F. Hylan, a county judge of Kings County, was elected mayor of New York last week.

President Wilson traveled to Princeton, N. J., and cast his ballot in the State legislative election, returning to Washington after an uneventful trip.

The Italian shipping losses from submarine in all seas for the week ending November 4 were two steamers under 1,500 tons and the sailing craft under 100 tons.

The greatest insurance selling campaign in history will be undertaken soon by the government to induce every soldier and sailor to buy life insurance provided at low rates under the recent act of congress.

Formal announcement of the agreement between the United States and Japan in regard to China is greeted in diplomatic and official circles as one of the momentous events of the war period.

Americans responded to the call for a second Liberty war loan by subscribing $4,617,532,300, an oversubscription by 54 per cent. of the $3,000,000,000 asked and only $383,000,000 less than $5,000,000,000 maximum fixed by the treasury.

A comprehensive system for the preliminary training of men of the second and any subsequent drafts for the war army prior to their training at the cantonments has been worked out by the federal board for vocational education in cooperation with the department.

WHAT'S THE REASON,

Many Conway People in Poor Health Without Knowing the Cause.

There are scores of people who drag out a miserable existence without realizing the cause of their suffering. Day after day they are racked with backache and headache; suffer from nervousness, dizziness, weakness, languor and depression. Perhaps the kidneys have fallen behind in their work of filtering the blood and that may be the root of the trouble. Look to your kidneys, assist them in their work—give them the help they need. You can use no more highly recommended remedy than Doan's Bidney Pills—endorsed by home people all over the country and by your neighbors in Conway.

H C. Moore, farmer, Conway, says: "For several years, I was so bad off with my back and kidneys that I could hardly walk. I suffered awfully day and night from a constant pain in my back. My sight became blurred and objects seemed to float before my eyes. The kidney secretions at times passed too frequently and then again, were scanty. I got Doan's Kidney Pills at the Conway Drug Co., and they relieved me of the backache. The other symptoms of kidney trouble also left. I always have Doan's Kidney Pills on hand and occasional use keeps me in good shape."

Price 60c, at all dealers. Don't simply ask for a kidney remedy—get Doan's Kidney Pills—the same that Mr. Moore uses. Foster-Milburn Co. Props., Buffalo, N. Y.—adv.

The Italian armies are continuing their retreat eastward over the Venetian plain from the Tagliamento River and southward from the Delomites and Carnic Alps region toward the plain. The retreat is declared by the Italian war office to be an orderly one, with the rear guards on both fighting fronts holding back the enemy and with airplanes an important part in harrassing the invaders, destroying bridges that have been thrown over the Tagliamento and bombing troops trying to cross the streams.

COLDS & LaGRIPPE

5 or 6 doses 666 will break any case of Chills & Fever, Colds & LaGrippe; it acts on the liver better than Calomel and does no gripe or sicken. Price 25c.

CONSTIPATION CAUSES OBSTINATE HEADACHES

When your head aches you will usually find the bowels have been inactive, and if you relieve this condition, by clearing the intestinal organs of the fermenting congestion of stomach waste, foul gases and bile, the head is relieved immediately.

Remember this the next time you suffer from headache. The combination of simple laxative herbs with pepsin sold by druggists under the name of Dr. Caldwell's Syrup Pepsin, is highly recommended as a gentle laxative that acts easily and quickly, without griping or discomfort. It contains no opiate, narcotic, or habit-forming drug, is pleasant to the taste, and a most effective household remedy. Mothers find it especially desirable as a laxative for children.

You can buy Dr. Caldwell's Syrup Pepsin from your druggist for fifty cents. Get a bottle and have it in the house when needed. A trial bottle, free of charge, can be obtained by writing to Dr. W. B. Caldwell, 456 Washington St., Monticello, Illinois.

OUR SOLDIER BOYS NEED YOUR SUPPORT

Judging by letters the Herald is receiving from various boys now with the colors, they are receiving probably the greatest benefit from the Y. M. C. A., this organization being now engaged in work at all of the cantonments making it more home like for the boys and furnishing those advantages to which they are accustomed while at home.

The Herald is more than willing to do everything in its power to awaken the interest of Horry people in the work of the Y. M. C. A., and by bringing the matter thus to their interest and attention, get them to give liberally in the campaign which is now being put in readiness for raising the funds the association needs to continue its work.

One letter received from a soldier boy last week shows the way the boys feel about the movement, and this letter will explain itself, and is here published in full:

Company C, 6th U. S. Infantry,
Military Branch, Chattanooga,
Tenn., November 4th, 1917.

Mr. H. H. Woodward,
Editor the "Horry Herald,"
Conway. S. C.

Dear Sir:—

On November 11th a campaign will be inaugurated to raise $35,000.00 for the work of the Y. M. C. A. in the Training Camps of this country and abroad when we men get "over there." Outside of our military duties the Y. M. C. A. is the most important factor in camp life. It ministers to the spiritual, social, mental, and moral sides of the soldier's life, and all these things count tremendously in making an efficient army, efficient enough to can the Kaiser." Personally I know of nothing else that has meant so much to me in helping me to keep straight and in affording the common ordinary conveniences that in everyday life seem commonplace but are sadly missed in a military camp.

Now I want you to boost this campaign in the "Herald." Tell the people that the Y. M. C. A. is the biggest, most powerful, and finest service the American people can give Uncle Sam's soldiers. Tell them that if they want to make the boys feel at home in the trenches just give us a Y. M. C. A. hut with all the cheer and comfort and spiritual uplift that goes along with it.

If there is any charge to this send the bill to me and I will settle with you promptly.

Give my regards to all the home folks and keep some for yourself.

Sincerely yours,
—R. M. Dyson.

The vaudeville show which was in Conway last week apparently had a good business for the entire six nights of their stay

TYPEWRITERS.

I have the following Second hand Typewriters for sale:

1 L. C. Smith (used very little)	$55.00
1 No. 5 Oliver	20.00
1 NO. 10 Remington Visible	35.00
1 No. 5 Royal	35.00
1 Blind Fox	10.00
1 Blind Smith Premier	12.50

All of these machines have been thoroughly overhauled and are guaranteed to be in first class working condition. Will sell on monthly payments, or, give five per cent discount for cash. Write me your needs.

R. . SCARBOROUGH,
SUMTER, SOUTH CAROLINA.
Dealer in
L. C. Smith & Bros. and Royal Typewriters