

Use of Fertilizers In Tobacco Culture Of Beaufort County

Demonstrator J. T. Latham Gives Valuable Information
As to The Cultivation of This Product.
Is Worthy of Careful Perusal.

Mr. Editor:—In our former treatise we stated the importance of fertilizers in the culture of corn and cotton and undertook to show some of the fundamental facts relative to the successful use of commercial fertilizers in the growing of those crops. This time, according to promise we come to talk about fertilizers and its use in growing a crop of tobacco. The growing of tobacco is fast coming to be a large and important industry in Beaufort county. Tobacco is a rank, rapid growing and heavy feeding plant, and requires liberal supplies of plant food. In taking up this important branch of the subject, I deem it well to give a brief view of the object and value of fertilizer in growing a crop of tobacco. As stated in our former articles fertilizers are valuable for the amount of nitrogen, phosphoric acid and potash they may contain.

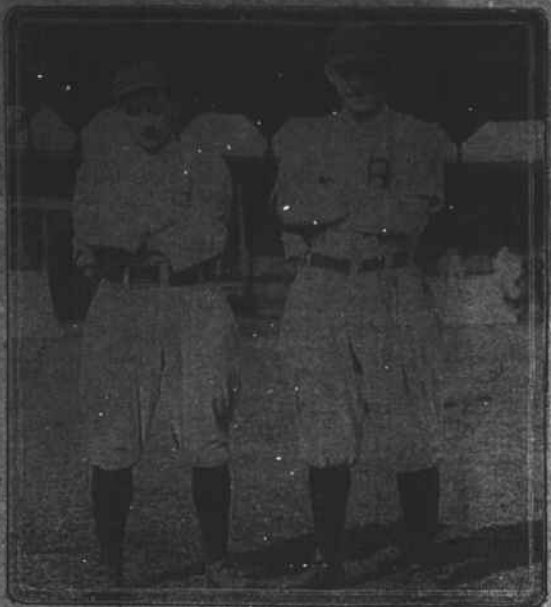
All that was said in our former articles relative to soil adaptations, soil fertility, fertilizer and plant food applies equally true with the tobacco plant except a slight variation in the proportion of the substances containing plant food suited to its requirements or to express it differently the tobacco plant requires the same kind of plant food (nitrogen, phosphoric acid and potash) contained in commercial as do other plants but in different proportions. The conclusion may be thus stated: "The demands of the crop of phosphoric acid are small for nitrogen they are large, but the greatest demand is for potash, in fact, greater than that of any other cultivated plant."

It has been found by chemical analysis that a whole tobacco plant contained 0.99 per cent phosphoric acid, 2.25 per cent of nitrogen and 4.34 per cent potash. Now of course we understand that a part of this plant food is found by analysis coming from the soil and not all entirely from the fertilizer used in its growing. Therefore it's the farmer's business to inquire into these things and find out just what elements of plant food to use, in what proportion to each other and how much per acre to obtain the number of pounds of tobacco per acre desired. This is the one crop that is affected remarkably by the source from which the plant food used in fertilizer is derived. We have ago found that it was always best for every farmer to use high grade materials in mixing his fertilizer and in buying ready mixed fertilizers to always buy high grade goods for any crop and especially in fertilizing a crop of tobacco it is absolutely essential, for several reasons, that only certain materials be used in order to obtain best results. No plant should have all its nitrogen come from one source but from two or more. And especially is this true with tobacco. The substance or source from which we get nitrogen

in fertilizers are as follows, and are available in order: Nitrate of Soda, Sulphate Ammonia, Dried Blood, Cotton Seed Meal, Fish Scrap and tankage. Suppose we were to make a formula, using cotton seed meal, acid phosphate and sulphate of potash? In this case all our nitrogen would come from one substance, (cotton seed meal) and it's the fourth element in availability of the substances from which we get nitrogen. If this formula should be applied to the soil on the same day the tobacco plants should be put out those plants would have to depend entirely on the natural fertility of that soil for three or four weeks before any nitrate would be available to help them in their growth. All plants take their nitrogen in nitrate form and the nitrogen in cotton seed meal is not in nitrate form but the cotton seed meal must come in contact with soil moisture long enough for decomposition or nitrification to take place before it will yield up to the growing plant the nitrate it requires. Therefore a fertilizer containing only cotton seed meal for its nitrogen is not a good fertilizer for tobacco but cotton seed meal in combination with other substances like nitrate soda, blood, etc. is excellent. The phosphoric acid usually applied in fertilizer is derived from acid phosphate and we always recommend 18 per cent high grade.

As we have already seen tobacco plants do not desire or require potash and desire it from a certain element. The substances furnishing potash are as follows: Muriate of potash, sulphate of potash, and kainit. (These are the sources commonly used). For tobacco sulphate of potash should always be used. Muriate of potash and kainit contain large quantities of chlorine which exerts an injurious effect on the burning quality of the leaf and should not be used in a tobacco fertilizer. The following is a suggested formula that will on most tobacco soils in Beaufort county give good results: 125 pounds nitrate soda, 16 per cent, 400 pounds dried blood 16 per cent nitrogen, 250 pounds cotton seed meal, 7 per cent nitrogen, 200 pounds acid phosphate, 16 per cent, and 325 pounds sulphate potash, 48 per cent (3,000 pounds or 1 ton) and will analyze 5 per cent nitrogen, 1 per cent phosphoric acid and 8 per cent potash. Use \$00 to 1,000 pounds per acre, and if your preparation of soil and cultivation of crop is properly done you will make a good crop of a good quality of tobacco. If dried blood cannot be had for this formula substitute fish scrap. And if this formula does not suit your exact conditions see or write me and I will help you make one suited to your soil conditions. Yours faithfully, J. F. LATHAM, Agent in Charge of Beaufort County Farm Bureau, Washington, N. C.

Major League Stars



Midgets Who Will Guard The Keystone For Boston

The combination of Walter Maraville at shortstop and Johnny Evers at second base gives Manager George Stallings of Boston Braves a pair of guardians for the keystone station which will probably rank with that famous duo of the Philadelphia Athletics—Eddie Collins and Jack Barry. Maraville, a youngster, is one of the fastest men that has ever played in an infield. Evers, the veteran, is just as speedy as ever and the quickest baseball

thinker that ever engineered a double play. It is expected that Maraville will prove to be an even better partner for Evers than was Joe Tinker. Experts agree that Evers and Maraville are the boys who are going to be responsible in a large measure for the splendid showing that their team is certain to make in the 1914 National League race. Walter Maraville is shown here with on the left with Johnny Evers next to him.

H. G. SPARROW RESIGNS AS MANAGER

J. L. Capehart Succeeds Him
At The New Theatre. The
Retirement Occasions
Regret.

The New Theater is to have a new manager in the person of Mr. J. L. Capehart who takes charge with the performance billed for this evening. Mr. Capehart succeeds Mr. H. G. Sparrow, who has tendered his resignation, who is to enter the booking and vaudeville department of the Motion picture company either at Atlanta, Philadelphia or Charlotte. At this writing Mr. Sparrow has not definitely decided in which city he will locate. He is now in Philadelphia looking into the matter.

The retirement of Mr. Sparrow from the management of the New Theater will be known with regret by his friends here as he is popular, urbane and capable. Prior to assuming the management of the New Theater he held a similar position with the Lyric. Wherever he goes the very best wishes of his many friends go with him. Mr. Capehart is not a stranger to the motion picture business, having been manager of the theater when it first opened. The New Theater is now presenting motion pictures of merit, using the well known Keith circuit.

VISITORS TO THE CITY

Mr. and Mrs. Jason L. Randall of Groton, Connecticut, arrived here this afternoon on their way home from Florida where they have been spending the winter. They will spend several days with Mr. and Mrs. E. W. Ayers at their residence on North Market street.

LET'S BADA IN WASHINGTON PARK.

Superintendent of County Schools, Mr. W. G. Privette, will leave tomorrow to pay his first official visit to the public schools located in Richmond township. He expects to be absent from the city several days.

FINE SHOW NEW THEATRE FOR TONIGHT

Hagenback-Wallace Circus
And The Three Whalens
The Attraction. Feature
Show Is Billed.

The New Theater offers tonight for the amusement of their patrons a feature film in four reels, portraying the great "Hagenback-Wallace Circus" from the time the first advance car arrives to bill the town all the way through including the arrival of the show train, the unloading of the circus, the putting up of the tents, a trip through the menagerie, and the entire performance. Usually when a person attends a circus there is so much to see that one misses about half of the acts on account of not being able to look in all directions at once. But tonight one will be able to see every act plainly.

HUB OPENING MILLINERY TUE. & WED.

In Saturday's issue appeared the announcement of the Millinery opening of the Hub, scheduled for tomorrow and Wednesday. Inadvertently the "make-up" man unfortunately omitted the name of the firm—an error greatly to be regretted. The announcement appears again today on fourth page and the News readers are requested to read what the Hub has to say. The opening takes place Tuesday and Wednesday and the ladies are cordially invited to call and inspect the line.

PLAYHOUSE HERE AGAIN FOR SHOW

Will Present "Buried At Sea"
Tonight. Tickets Are Now
Going With a Rush. Special-
ties Tonight.

The "Playhouse" or floating theater is again moored at Fowle's wharf where a performance will be given tonight. Mr. Adams announces for his bill tonight, "Buried at Sea," being a four act sensational drama. The specialties of the evening will be given by the Martine sisters who are favorites in Washington in their week Mr. Adams and his company have been showing in Greenvale and he reports good houses nightly. Tomorrow the "Playhouse" leaves for Bath N. C., where two days will be spent. On Thursday, Friday and Saturday the floating theater will be at Aurora. All next week Mr. Adams proposes to give the town of Belhaven an opportunity to witness his performances. His company is a good one and no doubt will be witnessed by large crowds at all three points. His return to Washington will be ever welcomed.

MR. IRA FAUX VERY ILL AT HIS HOME

WEST SECOND STREET
The friends of Mr. Ira Faux who resides on Second street, will be pained to learn of his critical illness. He is now confined to his bed suffering from an acute attack of pneumonia.

GREAT DAY AT M. E. CHURCH ON YESTERDAY

Large Congregations Heard
With Pleasure and Profit
Rev. Mr. Wilcox of Louis-
burg Female College.

The congregation of the First Methodist Church were the recipients of a rare privilege yesterday morning and evening and it has been quite awhile since it has been their pleasure to listen to two more eloquent and thoughtful sermons. The speaker was Rev. Mr. Wilcox, pastor of the Louisville Methodist Church, South. The reputation of Mr. Wilcox as a speaker had preceded him and also financial agent of the Louisville Female College, one of the oldest institutions of learning in the state and those who heard him yesterday were not disappointed. At the evening hour Mr. Wilcox spoke on the subject of education and devoted principally what he had to say to the education of the women. His tribute to womanhood was a masterpiece not only of rhetoric but too, presented in a way to attract and please. In a word it was one of the very finest tributes to woman and her work it has been the pleasure of the writer to hear. After closing the speaker made a direct appeal to the congregation for aid and support of the Louisville College. An offering was taken and quite a neat sum realized. Sunday afternoon Mr. Wilcox preached at the County Home where another delightful service was enjoyed. There were twenty-six visitors from the city present. The coming of this gifted young divine to Washington again will always be hailed with genuine pleasure.

FORMER CITIZEN OF WASHINGTON VERY ILL AT ROANOKE RAPIDS

Miss Ella Lee Chauncey daughter of Mr. W. M. Chauncey, left yesterday morning for Roanoke Rapids, being called to that town on account of the serious illness of her sister, Mrs. J. M. Jackson. Mrs. Jackson's many friends in her old home wish for her a speedy recovery.

TO BECOME A BENEDICT WEDNESDAY

City Clerk W. C. Ayers, Will
Wed Miss Mae Cuthrell in
Sallabury. Will Tour South-
ern Cities.

Mr. William C. Ayers, Washington's popular and efficient city clerk, left this afternoon via the Norfolk Southern train for Salisbury, N. C., where on Wednesday evening, at 8 o'clock, he is to be wed Miss Mae Cuthrell of that town. Mr. Ayers was accompanied by his brother Mr. Fred W. Ayers, who will be his best man. The marriage will take place at the home of the bride and immediately after the ceremony the bride and groom will leave for a ten day tour South, visiting St. Augustine and other southern cities. The groom-elect is one of the city's popular young men and for the past four years has occupied the high and responsible position of city clerk. Miss Cuthrell is among Salisbury's attractive and popular young ladies. A host of friends wish them every joy for this world bestow.

PINE BRASS BAND WITH COMPANY

Joshua Simpkins Is The At-
traction At Opera House
Next Wednesday Evening
March 18th.

"The Joshua Simpkins" Company with a fine brass band and splendid orchestra will be seen at the New Theater Wednesday night. This play is made of fun and realism combining the pleasing features of realistic melodrama and the ever popular rural play. The character sketches are said to be very clever while there is an abundance of good music staging and dancing in it. Those lovely old country characters are introduced and their sayings and doings create much amusement. The company comes to us recommended as a good one throughout. The saw mill scene in the third act is said to be wonderfully realistic, a genuine circular saw being seen in motion, with Uncle Joshua's son lashed to a log by the villains and started toward the glittering teeth of the rapidly revolving saw. Prices 35c, 50c, 75c and \$1.00. Seats on sale at Worthy & Etheridge rug store.

Now Perfecting Arrangements For The Confederate Reunion

Jacksonville, Fla., Mar. 16.—The various sub-committees of the Jacksonville Reunion Association are at work perfecting arrangements for handling the large crowd expected here May 6, 7, 8, to attend the 24th annual reunion of the United Confederates and the 19th reunion of the Sons of Veterans.

Adjutant General Nathan Bedford Forrest, of Memphis Tenn., of the Sons of Confederate Veterans, has transferred headquarters of that association from Memphis to this city, and is organizing a large camp of Sons here. He is also organizing camps throughout the entire state, for the purpose of arousing interest in the reunion and preserving and enlarging the association. Sons of Veterans in all of the towns and cities of Florida are actively at work for the reunion and much enthusiasm is manifested in the approaching meeting in this city.

The reunion committee charged with the work of securing homes for the veterans and visitors has a force of men in the field canvassing the city for rooms and board. This work is under the direction of Walter Hawkins, a prominent business man, and it is being done with systematic care. The reunion association realizes that this is one of the most important departments of the reunion work and a good business man was put at the head of the committee. The purpose and desire are to have the accommodations and assignment divisions, so perfect that no trouble will be encountered in getting the veterans and visitors from the depot to their homes when they arrive. The entertainment committee is

perfecting an attractive program for the reunion week. Max Morgranban, chairman of the regular entertainment committee of the Jacksonville Board of Trade, is chairman of the reunion entertainment committee also. A prominent entertainment feature of the week will be May Day festivities of public school children in one of the large parks of the city. It is the purpose of the committee to make this feature one of the greatest school-children spectacles ever seen in the southern states. In addition to this splendid feature there will be many events on the program that will entertain and please the reunion visitors.

The work of raising the necessary money to defray the expenses of the reunion, while not yet completed has advanced far enough to warrant the announcement that Jacksonville will have all of \$60,000, the amount determined upon last fall. The city will be brilliantly lighted with thousands of electric lights, and many electric novelties seen nowhere else have been decided upon by the committee. The decorations will be modest but pleasing to the old soldiers. An effort is being made to hold the decorations to a strict conformity with the official colors of the Confederacy. Confederate flags and red and white bunting predominating.

In all departments, the work shows good progress and the organization will be ready for the crowds when they arrive here in May. Everything possible is being done for the comfort and entertainment of the veterans and their friends.

REV. R. L. GAY CHARMS HIS AUDIENCE AT THE SPRING GARDEN CHURCH

Yesterday afternoon at three o'clock Rev. R. L. Gay, pastor of the First Baptist Church, preached to the colored people at Spring Garden church, his subject being "What a Baptist Church Stands For in a Community." In addition to a large number of the colored people being present there were several white people. The services were much enjoyed and as usual Mr. Gay delivered a discourse thoughtful and interesting. The music was one of the features.

MRS. C. E. LEENS IS INDISPOSED AT HER HOME SECOND STREET

The friends of Mrs. C. E. Leens will regret to learn of her continued indisposition. While not confined to her bed she is unable to be out. Her speedy recovery is wished by all.

MILLINERY OPENINGS ARE BILLED FOR TUESDAY, WEDNESDAY, MARCH 17 & 18

The spring and summer millinery openings at Hoyt's, the Hub and Ayers C. Son, take place tomorrow and Wednesday, and they promise to be of conspicuous success. At Hoyt's the ladies will be greeted by Misses Rose Stocks and Mayne Burbank who have an elaborate display. No millinery establishments in North Carolina display more taste than those of this city and one visiting the different openings on tomorrow and Wednesday will be convinced of this statement.

NEXT TERM SUPERIOR COURT WILL CONVENE MONDAY, APRIL SIXTH

The next term of the Beaufort County Superior Court will convene in the Courthouse on Monday, April 6th. The term will be for one week and the trial of civil cases only. His Honor, Judge Garland S. Ferguson, of Waynesville, N. C., will preside.

ANNOUNCEMENT.

To My Friends and Fellow Citizens of Beaufort County:
I hereby announce myself as a candidate for the Sheriff's office. I have only one promise to make to you people should I be elected and that is the same promise that I made to my good friends who so ably supported me in the last campaign when they made me their choice as Recorder for Washington, Long Acre and Chowanville townships, and that is the same promise I now make to the county as a whole, that is, if you will make me your sheriff I will do nothing to bring reproach upon the county or myself, and you will not be ashamed of me as your sheriff. If elected, I shall be as honest as possible with you in settling your taxes, but will collect when they become due as the law directs. Be sure and pay your poll tax before the first day of May, 1914, so you can vote on election day without being challenged. Thanking you in advance for any support that you may give me, Respectfully,
WILLIAM H. WINDLEY,
Washington, N. C.

BODIES WASHED FROM THE MONROE

Washington, March 15.—All the bodies which sank with the Old Dominion liner Monroe when she was rammed by the Merchants and Miners' ship Nanucket, off the Virginia coast on January 26, have been swept out of the wreck by a strong submarine current.

Divers having nearly 200 additional pounds of lead on their equipment found it impossible to remain on their feet in the strong, fierce current which sweeps about the wreck. Forty-three lives were lost in the collision. How many of these were down imprisoned in the ship is not known, but there is hope of recovering some bodies.

GENERATOR SIMMONS MUST TAKE A REST

Washington, D. C., March 15.—Senator and Mrs. Simmons will leave for New Bern today where the Senator's physician has ordered him to take a complete rest for at least ten days. Mr. Simmons is on the verge of a break-down which his physician tells him will surely come unless he takes a complete rest.