

# STRESSES YIELD PER ACRE AND LOW PRODUCTION COST

The average yields of crops in the South, taking the region as a whole, are not more than one-third to one-half of what they should be, according to Dr. H. W. Barre, director of the experiment station, Clemson College, S. C.

Dr. Barre, at the 29th annual convention of the Association of Southern Agricultural Workers, of which he was president, pointed out in his presidential address that yield per acre and production per unit of labor are of outstanding importance in a consideration of cost of production. Proceedings of this convention have just been published.

### Profit or Loss.

"In the case of cotton, cost studies made in South Carolina show that, for each increase of 100 pounds in yield per acre of lint cotton above the average, the cost decreases 3 cents per pound," Dr. Barre said. "This difference in cost of production frequently makes the difference between profit and loss. Our average yields, taking the South as a whole, are not more

than one-third to one-half of what they should be, and there are certain factors that we know are of prime importance in increased yields. Among these we might mention stalks to the acre, probably 20,000 stalks to an acre, more intelligent use of fertilizer, better cultural practices, and more intelligent fight against the weevil. With corn, some studies indicate that it costs \$1.40 per bushel to make 15 bushels per acre, about \$1.00 per bushel to raise 25 bushels per acre, and 75 cents per bushel to produce 35 bushels per acre. The difference in yield is largely due to the amount of available plant food which has been applied as commercial fertilizer or by soil improving crops or barnyard manures. The cost of producing practically all of our staple crops is just about as closely correlated with yields per acre as I have mentioned in the cost of corn and cotton. And if we are to meet competition in the future it is absolutely imperative that we increase the fertility of our soils to where we can get profitable yields."

# No Conflict

No conflict exists between the idea that a large surplus of any farm product such as cotton is not desirable to the producer and the idea of larger yields per acre.

At first thought those who are urging larger yields per acre would appear to be encouraging the farmer in the direction of a greater total production and even larger surplus. However, the agricultural leaders who are advocating higher yields per acre are doing so with the thought not of increasing total production but with the thought that by increasing yields the cotton that is produced can be made at a low cost per pound.

Many times a fair-sized crop has a larger total value than a large crop as illustrated by the cotton crops of 1926 and 1927. All who are interested in improving the farming situation hope to avoid large surpluses so that there will be less tendency to force the farmer to take a low price for his cotton.

### Yields Affect Cost

But it has been clearly shown by the United States Department of Agriculture that farmers with only low yields of cotton per acre have such high costs for producing cotton that they cannot make a profit even when fair prices prevail. Surveys of thousands of farms conducted by the United States Department of Agriculture to determine the cost of producing cotton have shown that on farms with high yields per acre, cotton is produced at a low cost per pound, while on farms with low yields the cost is high.

The survey in 1926 showed that on the farms where about one-quarter bale per acre was produced the lint cost 20 cents per pound, while on the farms where almost a bale per acre was produced the cost of a pound of lint was only 9 cents. The importance of increasing yield per acre in order to lower cost of production is seen, for profit is the difference between the selling price of the product and what it costs. Commercial fertilizers afford a profitable means of producing high acre yields.

By making larger yields per acre on a fewer number of acres, cotton can be produced at a low cost per pound and land and labor will be released for use in growing feed. The production of more home-grown feed will, in turn, tend to make still cheaper cotton production possible and will help to furnish the feed that is vital for the growing dairy industry.

# CORN SHORTAGE DUE TO LOW ACREAGE YIELD

In spite of the fact that with the exception of cotton the South plants more acres to corn than all other crops combined, corn is shipped into the South for feed. The shortage of corn is due largely to the low average acre yield.

The average yield of corn in the Southern States is only 17 bushels per acre. This low acre yield not only results in insufficient feed, but also in high cost of production per bushel. Cost studies made on a large number of farms by the United States Department of Agriculture have indicated that where a yield of 17 bushels per acre was obtained, the corn cost more than one dollar per bushel, while on farms where a yield of 41 bushels per acre was secured the cost was only 65 cents per bushel.

Proper fertilization is one of the means for increasing yield per acre and lowering cost per bushel. Experiments all over the South and experiences of farmers as well have shown that money wisely spent for plant food to be used under corn will produce much more corn than it would buy.

Under usual conditions a complete fertilizer gives best results with corn. A fertilizer such as 16-4-4 or one which has given satisfactory results

# SIX SOUTHERN COUNTY AGENTS WIN AWARDS

REWARDED FOR OUTSTANDING COUNTY SOIL IMPROVEMENT PROGRAMS.

Six Southern county agricultural agents who have put into effect and are continuing an outstanding soil improvement program and who were rewarded with a free trip to the annual meeting of the Association of Southern Agricultural Workers in Houston, Texas, have been named. These agents come from North Carolina, Alabama, Mississippi, Oklahoma and Arkansas, and are being awarded the trips by the Southern Division, Soil Improvement Committee, the National Fertilizer Association.

First place was awarded to H. K. Sanders, Roxboro, Person county, North Carolina. The other five places are listed alphabetically, as no rankings were made of these five: W. L. Hall, Conway, Faulkner county, Arkansas; H. C. Heath, Lafayette, Chambers county, Alabama; C. L. McNeil, Canton, Madison county, Mississippi; Earl W. Smith, Muskogee, Muskogee county, Oklahoma; and W. G. Yeager, Salisbury, Rowan county, N. C.

### To Stimulate Interest

"These awards were made to stimulate interest in soil improvement programs, as recommended and approved by the various State experiment stations and agricultural extension services," according to J. C. Pridmore, director of the Soil Improvement Committee. "The six outstanding reports were selected by a committee of agricultural college workers in co-operation with the extension service officials who have charge of county agent work in the various States. Winners were selected on the basis of a uniform score card which took into consideration accomplished results in soil improvement in the county, methods of putting the programs into effect, and plans for future soil improvement efforts based on an analysis of the situation as it exists in the county."

The winning county agents were given an opportunity of attending the Southern Agricultural Workers meeting and also the agricultural extension workers' jubilee convention commemorating the establishment of the first agricultural extension office in the country at Houston 25 years ago.

The awards include gold medal fobs presented by the Soil Improvement Committee as permanent trophies of accomplishment, along with certificates that may become the property of the county represented by the winning agent.

Members of the judging committee were O. S. Fisher, extension agronomist United States Department of Agriculture, Washington, D. C.; W. B. Mercer, director of extension, Louisiana State University, Baton Rouge; I. O. Schaub, dean of agriculture and director of extension in North Carolina State College, Raleigh; T. S. Bute, head of the department of agronomy, Clemson College, S. C.; and J. R. Ricks, director of the experiment station, A. and M. College, Mississippi.

On similar land under cotton may be used at planting at the rate of 200 to 400 pounds per acre. This may be followed, when the corn is knee to waist high, with an application of 100 pounds of nitrate of soda or nitrate of lime or three-fourths this amount of sulphate of ammonia. On thin land two such applications of available nitrogen are sometimes made. Under these conditions the first may be applied when the corn is knee high, and the second when the corn is bunching to tassle.

Higher yields per acre will give more and cheaper corn and enable the Southern farmer to reduce his feed bill.

Experiments have shown that sufficient potash will usually control rust of cotton.

# PRETTY SCARCE



"Dear, what do you think of this gown at \$500." No stree. I tell yuh, I jes can't see it." "Now, George, stop your fooling, you know it is not as abbreviated as all that."

# A SURE THING, THEN



He—You can't eat yer cake and have it, you know. She—That's the only sure way of having it, I'd say.

# NEVERTHESS TRUE



"You say he's absolute boss in his home? Hard to believe, Sam." "True though—keeps bachelor's ball."

# A TOUGH GIRL



Clerk—You want a particularly hard pencil, eh? Customer—Yes—going to write to a tough girl.

# PLUM CRAZY



Miss Cherrybume—Do you like Peaches, Mr. Applestine? He—No, when men marry them they don't make good pairs.

# AN ULTRAMARINE



"That 'soldier of the sea' seems to be decidedly blue." "That ought to make him an ultramarine."

# MICKIE SAYS

I'VE SAID IT BEFORE AND I SAY IT YET—IF YOU WANT TO BE THE FAIR HAired BOY ROUND THIS OFFICE, BRING IN YOUR COPY FOR TH' PAPER EARLY. LAST MINUTE COPY BREEDS NAUGHTY WORDS—SO PLEASE BRING 'EM IN EARLY (PLEASE)



# Clemenceau, Greatest Frenchman, is Dead

Georges Clemenceau, the man whose eloquence spurred millions of Frenchmen to victory in war, and whose zeal and loyalty held for his nation some of the furits of peace, is dead. Death came quietly Saturday, after eighty-eight years of turbulent life.

Burial of the great Frenchman was in a secluded grave in his native province of Vendee, in a simple casket standing upright—as his father was buried in the same tomb years ago. Clemenceau asked that there be no state funeral, no big "to-do" of any kind, but that his body be accompanied to its lasting resting place only by his family and faithful servants. The body was not embalmed.

Despite the dead man's request for simple funeral, the French nation took part in honoring his memory. At every principal city in the country business places closed at 11 o'clock Monday, public buildings were draped in mourning, and cannon salutes were fired. Next Sunday President Doumergue and the entire house of deputies will hold a public memorial service for the departed leader, which will be participated in only by Poilus who fought in the world war.

Clemenceau's death leaves Lloyd George as the sole survivor of the Big Four at the Versailles peace conference. Woodrow Wilson, Clemenceau, Orlando and Lloyd George, both by reason of the standing of their governments and by their own ability and personalities dominated that conference. Lloyd George is the last one left of the group.

# Simmons Sure to Have Opposition

A Washington dispatch to the Greensboro News of Sunday says that Senator Simmons is sure to have opposition in the primary next summer. This report has it that Josiah William Bailey is ready to enter the race if nobody else will. He hopes that it will not be necessary; he would much rather support Chief Justice W. P. Stacey or Associate Justice W. J. Brogden, but if neither of these jurists see fit he get in the scrap, then Josiah William will enter. He is said to be determined to see to it that the Senator does not get the nomination by default.

Former Governor Morrison has said that the surest way to destroy the Democratic party would be to let Simmons have the nomination without a contest, at the same time he makes it plain that he will not be responsible, financially or otherwise, for opposition to him. Morrison expects to enter the race against Overman in 1932.

# NO HELP FOR HIM!

Mrs. Prim: "I didn't see your husband in church this morning." Mrs. Grim: "No, he doesn't dare go now." Mrs. Prim (shocked): "Doesn't dare go? Why?" Mrs. Grim: "Last Sunday the pastor prayed for the loose livers of the parish. After the service my husband asked him if he wouldn't slip in just a few words about his floating kidney—and the minister threw a hymn book at him!"

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. J. E. Moore and wife, Mrs. J. E. Moore. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 27th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: Fifty acres in Cape Fear Township, said County and State, being listed to J. E. Moore for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

plaint. It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. Russel L. Tysor, and wife, Maggie Tysor. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 11th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: Seven acres in Gulf Township, said County and State, and being listed to Russel L. Tysor.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. C. A. Stinson and wife, Mrs. C. A. Stinson. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 11th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: 65 acres in Gulf Township, said County and State, being listed to C. A. Stinson for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. W. V. Farrell and wife, Mrs. W. V. Farrell. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 14th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: 35 acres in Center Township, said County and State, being listed to W. V. Farrell for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. George Bryant and wife, Mrs. George Bryant. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 27th day of November, 1929, an action entitled as above

was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: 10 acres in Gulf Township, said County and State, and being listed to George Bryant for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. N. J. Dawkins and wife, Mrs. N. J. Dawkins. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 11th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: 172 acres in Gulf Township, said County and State, being listed to N. J. Dawkins for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. Ben Mitchell and wife, Minnie Mitchell. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 14th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: 36 acres in Center Township, said County and State, and being listed to Ben Mitchell for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.

# NOTICE OF SERVICE

NORTH CAROLINA CHATHAM COUNTY.

vs. Sam Turner and wife, Allie Turner. The above named defendants, except those personally served in this action, and all other persons owning or claiming an interest in the land herein referred to, will take notice that on the 27th day of November, 1929, an action entitled as above was commenced in the Superior Court of Chatham County for the purpose of foreclosing tax liens for the taxes due for the years 1927 on the following real estate: 14 acres in Gulf Township, said County and State, being listed to Sam Turner for 1927.

That they are required to appear and answer or demur to the complaint which has been filed at the office of the Clerk of Superior Court of Chatham County at Pittsboro, North Carolina, within 30 days from the 2nd day of December, 1929, or the plaintiff will apply to the Court for the relief demanded in the complaint.

It is also ordered that all other persons claiming an interest in the subject matter of the said action shall appear and present, set up and defend their respective claims in six months from the date of this notice, or be forever barred and foreclosed of any and all interest or claims in or to the said property or proceeds from the sale thereof. This 2nd day of December, 1929. E. B. HATCH, Clerk of Superior Court.