

# FARM GRIT.

## GRIT GRINDS.

Edited by  
COUNTY AGENT

Let us grow clover and grass on the hill;  
While intensely the levels and flats we till.  
The cows and hens will settle our daily bill;  
While the beaves, shee and tobacco the coffers fill.  
And, when orchard, garden and sty the larder fill,  
Then, with a smile, wil Mary greet her Bill.

A MERRY CHRISTMAS AND  
A HAPPY NEW YEAR TO  
ALL.

**KEEP YOUR SOIL AND  
YOUR SOIL WILL KEEP YOU**  
—How true this is. It is our belief that the farmers of Madison County are alive to this fact. It is also our belief that they are endeavoring to 'keep their soil' better with each year.

There are some elements of plant food that must be continually added to the soil each year if the soil is going to be kept. Those that interest us most are the nitrogen, the phosphorous, and the potash ingredients in the soil. In connection with the replenishment of these three plant feeds the vegetable or humus content of the soil must be maintained. Without a good amount of humus (decayed vegetable matter in the soil) it is impossible to get profitable returns from soil. The farmer can maintain the humus content by the addition of stable litter and by the growing of green cover crops during the winter season and by the use of a liberal amount of grass and clover crops in his rotation.

Red clover should not be passed up in Madison County by the farmer who wants to maintain the fertility of his soil. This legume can be grown successfully by the use of limestone. More limestone should be used. In the growing of clover and the plowing under of this crop nitrogen is added to the soil as well as vegetable matter or humus. Don't pass up red clover. If not able to grow it start using limestone if you cannot lime more than one acre a year. Each crop after you use limestone will pay

for the application.

### COMMERCIAL FERTILIZER

—The farmer must look to commercial fertilizer as a source of phosphorous and potash, as well as for some of the nitrogen his crops are going to need.

At a meeting of agronomists, held in Chicago, some verses in a song word-writing contest, the theme of which was "Li'l Liza Jane" and the truism, "Fertilizer Pays," was the motif the following won first prize, a five-tined fork, and was written by Extension Director Baldwin of Michigan. It ran as follows:

"My crops this year filled the barn,

Fertilizer Pays!

For taxes I don't give a darn—

Fertilizer Pays!"

### CHORUS:

Fer-r-r-tilizer! Fertilizer Pays!

Fer-r-r-tilizer! Fertilizer Pays!

The second prize was a South Carolinian and his prize was a wide-mouthed shovel. His verse was:

"I use fertilizer, you use none,

Fertilizer Pays!  
I make money, you get stung,

Fertilizer Pays!"

The third prize, a set of red whiskers, went to a Wisconsin man, for

"I've had 'nuf to eat by heck,

Fertilizer Pays!  
But I know who'll get the check,

Fertilizer Pays!"

From "The Fertilizer Review.

The editor of American Farming, in an editorial, states that a survey of farmers using fertilizers shows that for every dollar invested in fertilizer the user receives a return of

\$3.54. In making this survey 48,000 farmers in 35 states were interviewed. Tobacco leads all other crops in the value of the increase secured, \$6.69 for every dollar invested in fertilizer. Next comes cotton with \$4.71 per dollar invested; corn, \$2.38 per dollar; wheat, \$2.76 per dollar; fruit and vegetables, \$3.16; oats, \$1.84; miscellaneous crops, \$3.16. Each of these figures is based on the estimates of several thousand farmers growing the crop.

### PASTURES NEED FERTILIZING

—Results of pastures in the East and Northeast, top-dressed on 72 farms in 10 states in 1929, show that the cost of dry matter on the best fertilized plots was only about 40 to 60 percent as much as the cost of dry matter in the form of clover hay, corn, or soiling crops, and 25 per cent as much as the cost of concentrates.

The dry matter yields per acre for the different plots in these 72 tests averaged; check plot, 991.2 pounds; superphosphate (16% acid) 1,303.9 pounds; lime and superphosphate, 1,410.6 pounds; lime, superphosphate and potash, 1,736 pounds; lime and complete fertilizer, 2,200 pounds.

The protein content of the cuttings from these plots averaged 15.8, 16.7, 16.8, 19.2, and 19.4 per cent respectively. The best fertilized land produced vegetation containing nearly one-fourth more protein per pound of dry matter. The best fertilized plot, as an average, produced an increase when compared with the check plot, equivalent to something over 1200 pounds of 22 per cent protein dairy feed worth about \$30 at present prices. The annual cost of the treatment over a period of years is estimated at \$13.50 per acre. \$2.25 for \$1.00.

### HOW BUY FERTILIZER!

The user wishes to buy his fertilizer so as to get the most for his money. In judging the cost the purchaser must not only consider the price he asked but also must consider the make-up or analysis of what he is buying. A California paper puts it as follows:

"Fertilizers are sold on the basis of the plant food units they contain. They cost money, of course—every grower knows that—but are a very necessary and important factor in successful fruit growing (farming can be inserted instead fruit growing). By having an analysis made the grower is not only assured that he is getting what he pays for, but he helps protect himself as well as all legitimate dealers from unscrupulous practices of the "Fly-by-night."

"Call for an analysis. It is sound business."

We advise the Madison County farmer to buy his fertilizer by analysis, not by the name or brand, and buy according to the crop, he wants to grow.

### DO WE WANT A TOBACCO WAREHOUSE IN MARSHALL

—A tobacco warehouse is being agitated for Marshall. Is this house needed? Will it benefit the town and the coun-

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**Join Now!**

**Membership in our Christmas Club assures you of a Merry Christmas Next Year. Join Now!**

NORTH CAROLINA STATE DEPOSITORY

**THE BANK OF FRENCH BROAD**

"Home of The Thrifty"  
Marshall, North Carolina

THINK! **SAVE MONEY!** THINK!

ty? It is our opinion that a properly managed tobacco warehouse is needed and that it will benefit both the town of Marshall and Madison County. There were 2,036,000 pounds of tobacco grown in Madison County last year. This tobacco was all hauled to Tennessee markets to be sold. The haul bill on this amount of tobacco alone was at least \$20,000. Besides this it requires considerable time to go to market with the tobacco. If the market were at Marshall a large number of the growers could haul their tobacco to market with scarcely any outlay of cash and with a minimum amount of time. It costs money to remain overnight in Morristown, Greeneville, or Johnson City. This outlay of money would not be necessary for many of our citizens if the warehouse were located at Marshall. Those that were forced to remain overnight would have the satisfaction of knowing that their money was being paid to a Madison County tax payer.

**It is impossible**  
To Bank time.  
To Sow tares and Reap roses.  
To Sow jealousy and Reap love.  
To Think wrong and Live right.  
To Do wrong and get away with it.  
To dance without paying the fiddler.  
To Act below par and maintain self-respect.  
To Be Unfair and Succeed for any length of time.  
To make Decisions tomorrow; they must be made today.  
To Cheat the universe. "For value received" still stands.  
To carry hatred in the heart without reflecting it in the face.  
To Live without growing older, although there is no need of growing "old."—By David F. Nygren, in The Baptist.

From a flock of 154 White Leghorn hens, T. A. Woody of Marshall, route 4, in Madison County, gathered 29,361 eggs, or an average of 190 eggs per hen. "Beat this if you can," says County Agent Earle Brintnall.

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LEMON VANISHING CREAM  
When used as a base for Four Roses Face Powder, gives you that wonderful complexion.

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**MARSHALL PHARMACY**  
Marshall, N. C.

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When you sell with us you can always feel sure that you have got the highest dollar for your tobacco.

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