

THE
First National Bank
GASTONIA, N. C.

Capital, \$100,000.00
Surplus and Profits, 75,000.00

We Pay 5 per cent. on Time
Certificates of Deposit

Your Business Solicited.

WE PAY

4 Per Cent on Savings Accounts and
Certificates of Deposit. Accounts
Subject to Check Invited

**Merchants and Far-
mers National Bank**
CHARLOTTE, N. C.

United States, State, County and City Depository
Capital - - \$200,000.00
Surplus - \$200,000.00
GEO. E. WILSON, W. C. WILKINSON,
President. Cashier.

The
First National Bank
STATESVILLE, N. C.

Capital - - - - \$100,000.00
Surplus & Profits - 33,000.00
Resources - - - - 750,000.00

Farmers are specially invited to open
an account with us.
JOS. C. IRVIN Pres. E. S. PEGRAM, Cashier.

THE
CITIZENS NATIONAL
BANK
GASTONIA, N. C.

Capital & Surplus - \$ 92,249.26
Deposits - - - - 392,300.45
Resources - - - - 603,927.71

5 Per Cent Paid on Time
Certificates of Deposit

The
Union National Bank
CHARLOTTE, N. C.

Capital - - - - \$100,000

T. W. WADE F. B. McDOWELL
President Vice-President
H. M. VICTOR
Cashier

We cordially invite business and offer
every courtesy and accommodation con-
sistent with safe banking. We particularly
invite the accounts of farmers.
H. M. VICTOR, Cashier

Every Idle Dollar

of your money should be put to hard
work

When your money is invested it
works for you day and night—interest
accumulates with astonishing rap-
idity.

Also the knowledge that your
money is safe from thieves or fire
helps you sleep nights.

Why not start a *Savings Ac-
count* here and let your money earn
future money?

**WE PAY 4 PER CENT ON CERTIFICATES OF
DEPOSITS AND ALL SAVING FUNDS.**

Southern Loan and Savings Bank
CHARLOTTE, N. C.
JNO. M. SCOTT, W. S. ALEXANDER W. L. JENKINS,
President. Vice President. Cashier.

**Fertilization and Cultivation
of Corn and Cotton**

By C. B. Williams

Corn.

Culture.—It unquestionably pays well to thoroughly break and harrow land for corn, using a two-horse plow and running it eight to ten inches deep, and afterwards harrowing with large smoothing harrow, puts the land in nice condition. It is also well to run a small-tooth harrow or weeder across corn rows about the time the plants are coming up, and even after they are several inches high, slanting the teeth of the harrow backward. Harrowing in this way saves after-cultivation, and is a quick and comparatively inexpensive way of getting over the land. The land being thoroughly broken before the corn is put in the ground, only shallow, level cultivation with some one of the considerable number of good cultivators need be given the crop during the growing season. The one-horse cultivator cover corn rows in 2 or 3 furrows, and the two-horse ones at a single trip. The cultivations should be frequent—about every ten to twelve days—and if possible, just after rains, so as to break any crust formed by showers, leaving a dust mulch to retard the loss of moisture added to the soil by previous rains. Toward the end of the growing season the cultivators should only be run one to one and a half inches deep, so as to disturb as little as possible the roots of the plants, which, by that time, are well into the middle of the rows.

Fertilizers for Corn.—The experimental fertilizer work on the sand and sandy loam soils of the eastern, on the clay and sandy clay soils of the Piedmont and on the loam and silty soils of the mountain sections of the State during the past ten or twelve years have progressed far enough, we feel, especially on the Coastal Plain and Piedmont soils to draw some conclusions in reference to the best proportions and amounts of nitrogen, phosphoric acid and potash to use for corn. Below are given formulas for the average unimproved sandy and sandy loam soils of the east and for the clay and clay loam soils in fair condition of the Piedmont section.

For Corn on Land in Fair Condition in Coastal Plain Section.

Acid phosphate, 16 per cent phosphoric acid	600
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid, and 1.8 per cent potash	1,200
Kainit, 12 per cent potash	200
Total	2,000

This mixture will contain: available phosphoric acid, 6.5 per cent; potash, 2.3 per cent; nitrogen, 3.7 per cent (equal to ammonia, 4.5 per cent).

Acid phosphate, 16 per cent phosphoric acid	765
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid, and 1.8 per cent potash	650
Nitrate of soda, 15 per cent nitrogen	265
Kainit, 12 per cent potash	320
Total	2,000

In this formula one-half of the nitrogen is supplied by nitrate of soda and the other one-half by cottonseed meal. This mixture will contain: available phosphoric acid, 7.0 per cent; potash, 2.5 per cent; nitrogen, 4.0 per cent (equal to ammonia, 4.9 per cent).

Acid phosphate, 16 per cent phosphoric acid	630
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid, and 1.8 per cent potash	435
Nitrate of soda, 15 per cent nitrogen	125
Kainit, 12 per cent potash	260
Total	2,000

In this formula one-fourth of the nitrogen is supplied by nitrate of soda and the other three-fourths by cottonseed meal. This

mixture will contain: available phosphoric acid, 6.8 per cent; potash, 2.4 per cent; nitrogen, 3.8 per cent (equal to ammonia, 4.6 per cent).

Acid phosphate, 16 per cent phosphoric acid	540
Fish scrap, 8.25 per cent nitrogen and 6.0 per cent phosphoric acid	1,020
Kainit, 12 per cent potash	440
Total	2,000

16.17 per cent nitrogen equals 7.5 per cent ammonia.

This mixture will contain: available phosphoric acid, 7.4 per cent; potash, 2.6 per cent; nitrogen, 4.2 per cent (equal to ammonia, 5.1 per cent).

Acid phosphate, 16 per cent phosphoric acid	650
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid and 1.8 per cent potash	1,300
Muriate of potash, 50 per cent potash	50
Total	2,000

This mixture will contain: available phosphoric acid, 7.0 per cent; potash, 2.4 per cent; nitrogen, 4.0 per cent (equal to ammonia, 4.9 per cent).

Acid phosphate, 16 per cent phosphoric acid	1,100
Dried blood, 13 per cent nitrogen	775
Muriate of potash, 50 per cent potash	12
Total	2,000

This mixture is a concentrated one on account of high grade nitrogenous and potassic materials being used, and will contain: available phosphoric acid, 8.8 per cent; potash, 3.1 per cent; nitrogen, 5.0 per cent (equal to ammonia, 6.1 per cent).

Acid phosphate, 16 per cent phosphoric acid	390
Cottonseed, 3.1 per cent nitrogen, 1.3 per cent phosphoric acid, and 1.2 per cent potash	1,515
Kainit, 12 per cent potash	95
Total	2,000

This mixture will contain: available phosphoric acid, 4.1 per cent; potash, 1.5 per cent; nitrogen, 2.3 per cent (equal to ammonia, 2.8 per cent).

(To be continued next week.)

OAKDALE LOCAL, No. 1003.

Dear Editor:—I want to say a few words that may be of interest to some of our Local Unions. On Wednesday, 12th, Bro. J. R. Rives, our State Business Agent, came out to see our little Local and made us a fine talk about being organized and co-operating one with another in a way that will give us power in whatever we undertake. We all got inspired over what he told us, and at our last meeting we made arrangements to establish another Trade Agent, whose business it is to look up markets for our chickens and eggs and to take orders and ship out same and conduct a regular trade for that part of the business of the Union. We also have another Business Agent who attends to the buying of our guano, kerosene oil, spindle oil, sugar, fish, and all such things as the farmer needs.

Our Local is small in number, but they are waking up to see that they have been sleeping all these days like the balance of the farmers, while the middlemen have been carrying all the profits of the farmers off and using it for themselves. I am glad the time has come when the farmer is looking out of the sleepy past into a bright future. Our County Union met Saturday, 22nd of February, and M. C. Spoon and the writer were appointed delegates to represent our Local. I think all the Locals should be represented, and not only that, but something should be done to effect some economical way of buying and selling. We are tired of the present way of doing business, and if we, as a people, ever expect to do anything for ourselves and our children, we

will have to change from the way we have been doing. Educational and Co-operative Union is the only one that can be. All other classes are co-operating. I can think of only two classes of people who are organized: the farmers and those who are in the asylum.

W. L. HUDSON.

Hartshorn, N. C.

BETHANY (TENN.) LOCAL, No. 1281.

Dear Editor: Our Local was organized January 1, 1912, with only seven members, and we now have one hundred, so you see we are in a prosperous condition. We have nearly completed our two-story building. The first floor is to be used for a co-operative store and the second to be used for a hall. We are progressive and are working to complete the work. The county will soon be organized. Our County Union meets once a month at the court-house in Greenville. We are looking out for a County Business Agent. We are interested in the work and are hoping to accomplish some good in the future. I am interested in The Carolina Union Farmer. It is a lesson to all readers. W. M. TARLTON.

HOW ARE YOUR NERVES?

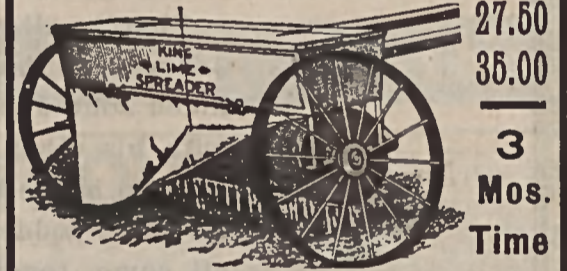
Nervousness is often merely an indication that the body is out of tone, and entirely disappears when this fault is corrected. Hundreds who suffered from Nervous Prostration, Sleeplessness, Exhaustion, etc., have found *Bodi-Tone* just what they needed, for its activities in the body are of a character needed to set bad nerves right. You can try a dollar box without a penny. See offer on page 7.

16 NEW BULBS FOR 20 CTS.



1 New Yellow Cr... very fine and valuable.
3 Emerald Vine, m... fine and elegant of vines.
3 Bellanti, a most showy flower like Cosmos. Tubers make a fine winter vegetable cooked like asparagus.
3 Gladiolus New Hybrids.
3 Shamrock Oxalis. Fine foliage; everblooming. These 16 Bulbs are all new and extra fine. We mail them all together with a complete treatise on Culture of Summer Bulbs and big Catalogue for 20 cts. Our big Catalogue of Flower and Vegetable Seeds, Bulbs and rare new Fruits free to all who apply. We are the largest growers in the world of Gladiolus, Cannas, Dahlias, Lilies, etc., and our stocks are the best and cheapest.
JOHN LEWIS CHILDS, Floral Park, N. Y.

KING SPREADERS \$15



27.50
35.00
3 Mos. Time
Spreads, Lime, Ashes, Plaster, Phosphate, Fertilizers, Nitrate of Soda, Cotton Seed and fine Compost, in any quantity from 100 lbs. to 3 tons to acre, and broadcast or in drills. Agents allowed liberal commissions. Ask for *Rental Plan*.
SEE OUR RENTAL PLAN KING WEEDER CO. RICHMOND, VA.

Prize-winning Single Comb Rhode Island Red Eggs, \$2, \$2.50 and \$3 per 15. Ringlet Barred Plymouth Rocks, \$2 and \$2.50. White Orpingtons, \$2.50. Guaranteed 8 chicks and prepay express. Buggaboo Farm, Dimmett, N. C.

I AM Selling Cheap to Farmers Union Members.

I can save you money on watches, clocks, watch chains, lockets, bracelets, rings, emblem pins and every kind of jewelry. I will mail, post paid, a Union Emblem Pin for 6 cents. Be sure and write for catalogue and save money.

WILL C. WALKER, Butler, Tenn.

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PROMPT RETURNS