

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 Farmers 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 consistent 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 rapidity.

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

Why not start a *Savings Account* 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

For Corn on Land in Fair Condition in Piedmont Section.

(Continued from last week.)

	Pounds.
Acid phosphate, 16 per cent phosphoric acid	750
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid and 1.8 per cent potash	1,250
Total	2,000

This mixture will contain, available phosphoric acid, 7.8 per cent; potash, 1.1 per cent; nitrogen, 3.9 per cent (equal to ammonia, 4.7 per cent).

	Pounds.
Acid phosphate, 16 per cent phosphoric acid	930
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid and 1.8 per cent potash	680
Nitrate of soda, 15 per cent nitrogen	280
Kainit, 12 per cent potash	110
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, 8.4 per cent; potash, 1.3 per cent; nitrogen, 4.2 per cent (equal to ammonia, 5.1 per cent).

	Pounds.
Acid phosphate, 16 per cent phosphoric acid	835
Cottonseed meal, 6.17 per cent nitrogen, 2.8 per cent phosphoric acid and 1.8 per cent potash	980
Nitrate of soda, 15 per cent nitrogen	135
Kainit, 12 per cent potash	50
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, 8.1 per cent; potash, 1.2 per cent; nitrogen, 4.0 per cent (equal to ammonia, 4.9 per cent).

	Pounds.
Acid phosphate, 16 per cent, phosphoric acid	750
Fish scrap, 8.25 per cent nitrogen and 6.0 per cent phosphoric acid	1,075
Muriate of potash, 50 per cent potash	225
Total	2,000

This mixture will contain: available phosphoric acid, 8.9 per cent; potash, 1.3 per cent; nitrogen, 4.4 per cent (equal to ammonia, 5.3 per cent).

	Pounds.
Acid phosphate, 16 per cent phosphoric acid	770
Fish scrap, 8.25 per cent nitrogen and 6.0 per cent phosphoric acid	1,170
Muriate of potash, 50 per cent potash	60
Total	2,000

This mixture, too, is more concentrated than the preceding ones on account of the use of a high-grade potassic material, muriate of potash, and will contain: available phosphoric acid, 9.7 per cent; potash, 1.5 per cent; nitrogen, 4.8 per cent (equal to ammonia, 5.8 per cent).

	Pounds.
Acid phosphate, 16 per cent phosphoric acid	1,200
Dried blood, 13 per cent nitrogen	740
Muriate of potash, 50 per cent potash	60
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, 9.6 per cent; potash, 1.5 per cent; nitrogen, 4.8 per cent (equal to ammonia, 5.8 per cent).

	Pounds.
Acid phosphate, 16 per cent phosphoric acid	470
Cottonseed, 3.1 per cent nitrogen, 1.3 per cent phosphoric acid and 1.2 per cent potash	1,530
Total	2,000

This mixture will contain: available phosphoric acid, 4.8 per cent; potash, 0.9 per cent; nitrogen, 2.4 per cent (equal to ammonia, 2.9 per cent).

Cotton Seed.—Cotton seed may replace the meal in preceding formulas containing meal by allowing two pounds of seed for one of meal. It should be remembered, however, that if an exchange of seed for meal can be made at anything near pound for pound it will generally be advisable to make such an exchange if the cost of making the exchange such as transportation, hauling, etc., is not too high as the plantfood constituents are in more available form in the meal than in the seed. The

oil which the cotton-oil mill removes has practically no fertilizing value, as the constituents it contains are made up of those which the cotton plant took from the atmosphere.

Nitrate of Soda.—This material is quick-acting because of its easy solubility in water. For this reason, when used in a considerable quantity in fertilizers at time of planting, especially on light sandy land, there is considerable danger of its being leached beyond the reach of the roots of the plants before they can use it. On clay lands and loams having good subsoils, to them this danger does not exist, certainly not to the extent that it does on light soils. A small amount of nitrate of soda in the mixture will give the crop a quick start and make its cultivation easier and more economical. Formula No. 3, has been arranged with this idea in view, and in No. 2 one-half the nitrogen comes from nitrate of soda. On light lands it would likely be better to omit the nitrate from the mixture and apply it as a top-dressing between the tenth and last of June on early corn. Nitrate of soda may take the place of a portion of the other nitrogen-furnishing materials in any of the formulas, one pound of nitrate being equal in its content of nitrogen to 2.4 pounds of cotton-seed meal, 1.8 pounds of fish scrap, 1.2 pounds of dried blood. Nitrate of soda is frequently used as a top-dressing for corn and is a very valuable material for use in this way. A good application is fifty to seventy-five pounds per acre, distributed along the side of the row or dropped beside the plants and three or four inches from them, or else where there is a ridge in the center it may be distributed on this, and when it is thrown out the nitrate will be thrown to the two sides of the row.

Application of Fertilizers to Corn.

On clay lands and loams having good subsoil the fertilizer should be applied in the drill, at or just before planting, at the rate of 200 to 400 pounds per acre. On light sandy lands, it is best to use fifty to 100 pounds in the drill at time of planting, to give the crop a good start, and the balance of the fertilizer as a side-dressing when the corn has begun to grow well.

Fertilizers for Corn Following Peas and Other Leagues.

The best and most profitable yields of corn in our experimental work were where the corn followed soy beans, bur claver, cowpeas, crimson clover and other leguminous crops. These crops, with acid phosphate and kainit, or some other potash salt, are the best previous treatment and fertilization for corn. Where light crops of peas have been grown in corn, or cut from the land and the stubble left, it would be safest to add some nitrogenous material in the fertilizer mixture. In cases of this kind it is suggested that the nitrogen-furnishing material in the preceding formulas be reduced one-half. Where corn is to any of the preceding formulas be re-fertilized good crops of cow peas, soy beans, bur and crimson clovers, especially where the entire crop have been left on the soil, no further application of nitrogen need be made, but it is advised that 200 to 300 pounds per acre of the following mixture, in the drill, be used just before planting.

“Seasonable SEEDS.”

1,000 bus Mammoth Yellow Soy Beans, per bus. \$1.75. 2,000 bus. Clay Peas, per bus., \$1.85. 2,000 bus. Mixed Peas, (f. o. b. Mississippi) per bus., \$1.75. 1,000 bus. Amber and Orange Cane Seed, per bus., \$1.00. 5,000 bus. So. Queen Sweet Potatoes (seed) per crate (3) bus., \$3.25. 1,000 bus. Nancy Hall Seed Sweet Potatoes, per bus., \$1.00. 1,000 bus. Lewis Long Staple Cotton Seed, per bus., \$1.00. 500 bus. Piedmont Prolific Seed Corn, per bus., \$1.50. 1,000 bus. N. C. Seed Running Peanuts, per lb., 5c. 100 bus. Chufas, per bus \$3.00. 1,000 bus. Velvet Beans, per bus., \$2.40.

All prices subject to market fluctuations. Write for special price list on other seeds.

HICKORY SEED CO., Hickory, N. C.

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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 **KING WEEDER CO. RENTAL PLAN RICHMOND, VA.**


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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.

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How I Test Seed For You



At My Seed House On The Farm

Out here on my farm I have a complete testing outfit. I prove the purity and germinating power of my seed to my own satisfaction before offering them to you.

For I'm a farmer myself and I know the folly of using any sickly or impure seed. So I use every precaution to give you the purest and most virile.

If you want to have a better garden this year, if you want to secure some of the finest varieties of vegetables, write me now for a copy of my new catalogue. It's free. I want to place a copy in the hands of every reader who is interested in better seed.

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W. C. SLATE, President, **Slate Seed Co., Box H So. Boston, Va.**

