### Low Grade Fertilizers Banished by Legislature

BY C. B. WILLIAMS

(Head, Department of Agronomy,

North Carolina Experiment Station) farmers in North Carolina,

new law brings into effect were source tag was therefore of ques- here. Two of my clerical friends adopted to make it possible for tionable value at the best and in farmers to know better the quality many cases confusing and misleadof the fertilizers they buy. It will ing. not be possible to explain all of The new law permits the use of these changes in detail but a brief a modified source tag to be atdiscussion of some of them will tached to the fertilizer bag in adperhaps be of some help to those dition to the tag or label which who want to get the fullest advantage of the provisions of the new Since this source tag is not re-

#### Changes Order

The first difference that will be noticed will be the order in which the plant food ingredients are stated. Under the old law htis was, first phosphoric acid; second, ammonia and third, potash. Only true statement. three states in this country use this order and North Carolina has future the order will be, first, nitrogen; second, phosphoric acid and third, potash. A fertilizer that was antee.

ed but the guarantee will be stated should be permitted by the new in terms of Nitrogen instead of law. If it leads to misrepresenta- in every profession and trade, and have 21 per cent more nitrogen for so proved. any given analysis than have those It is the hope of all concerned "press forward." While discussing

In fact 500 to 600 pounds of this will support with a guarantee.

gredients contained in fertilizers, and information is required. Such a provision could not have been enforced because no chemist can tell by analysis how much of cottonseed meal, fish, tankage or similar material has been used to head of organic nitrogen, or am- pleted through this section. this classification.

The first named ingredients are officiating, not soluble in water to any con- Born to Mr. and Mrs. G. T. siderable extent and are somewhat Ramsey on June 9, a daughter, more slowly made available in the Lillie Mae. soil while the latter are soluble J. W. Rogers, of Asheville, was and quickly available. It was in this section recently on business. thought that some distinction should Mr. and Mrs. H. C. Jones and mankind. I think I have learned be made between these and the three children, Ruth, Jeanett and on my own account that, generally new law provides that the amount Mack, of Asheville, visited Mrs. of insoluble nitrogen shall be guar- Jones' parents, Mr. and Mrs. V. anteed. The total organic nitrogen C. DeHart, recently, and inorganic nitrogen will not ap- Mr. and Mrs. Sanford Smith and pear as a part of the guarantee in two children, Roy and John Joseph the future. It may, however, be of Prentiss, spent the week-end re placed on another tag.

This provision was not intended Mr. and Mrs. J. L. Smith. ton of fertilizer was made up of to make it appear that cyanamid CIGARETS AT TOP and urea are not suitable for fer- PRODUCTION tilizers. When properly used they All records for eigaret producare very good sources of plant food tion in the United States were but they are much cheaper than shattered in May with the month's the insoluble sources and their use output exceeding April's by five tended to give the impression that billion cigarets. Feder I tax on fertilizers were made of more ex-1 cigarets totalled \$38,470,693.

pensive materials than was actually

Under the old law, it was re-The fertilizer law passed by the quired that the ingredients of mixgeneral assembly this year goes in- ed fertilizers be stated on what to effect in January, 1934. The old has been known as the source tag. The amount of each was not given. This permitted manufacturers many times that it was in many to claim that fertilizers contained respects unenforcable and it per- certain high grade materials when mitted some practices that were the actual amounts used were so not favorable to the interests of small as to be of no practical value. This was not the fault of the man-Most of the changes that the ufacturer but of the law. The old

> carries the guaranteed analysis. tinctive thing which stands out in quired, the law does not specify have had much opportunity for what statements it shall carry. It reminisences. As I look back and is to be used to describe the materials of which the fertilizer is struck by the unfailing kindness, made and to carry other informa- sympathy, patience and forbearance tion as to the composition of the fertilizer which the Commissioner the privilege to serve. I can now of Agriculture is convinced is a

If it is claimed on this source come into line with the majority of tag that there is any nitrate such the states by requiring that in the as nitrate of soda in the fertilizer the amount of nitrogen from this source must be stated as a guar-

sold as an 8-3-3 under the old law The source tag has been so miswill in the future be called a 3-8-3. leading in the past that there was Not only will this order be chang- some doubt, whether or not it trials and hardships in the minis-Since ammonia con- tion in the future two courses can there are many compensations tains only 82.3 per cent of nitro- | be taken to remedy it. The Com- There have been oppositions, but gen the use of this term has the missioner can rule that it shall car- they always ended in deeper and effect of making it appear that a ry no statement that cannot be mutual understandings. As age and fertilizer contains more actual plant proved by a chemical analysis or experience increase, one forgets unfood than is really the case. Mix- the law can be amended to pro- pleasant things, and the good ed fertilizers sold neyt year will hibit any statement that cannot be stands out. The fine thing about

sold in the past and no farmer in writing the new law that it will this subject, the Rev. N. C. Hughes will need to be a chemist to know provide farmers with more accurate offered this thought: information regarding the compo-The new law prohibits the sale sition and value of fertilizers of- Duncan has given notice that he of fertilizers containing less than fered for sale in the state. The will request each of two of his 14 per cent of plant food. This law will not protect those who do friends, of whom I am one, to means that the old 8-2-2 and other not understand the meaning of the write for publication what he conlow grade fertilizers will not be on statements carried on the labels siders the most distinctive thing, the market another year. These or tags attached to the bags. These the most outstanding feature, in fertilizers contained only 240 will be accurate as far as it is pos- his past experience in the ministry. pounds of plant food in a otn, or sible for the authorities to keep Being myself prone by nature to in other words 1760 pounds of the them so an they will carry all the forget the things that lie behind

was usually sand or other worth- It will be well for the farmers of closely scanned the past as to disthe state to be prepared to take cern clearly what fact or feature It was the intention of members the fullest advantage of the new of the Agricultural Committee of law. County agents and agricul- if I can do it now. the General Assembly to require tural teachers, I am sure, will be that the manufacturers state the glad to explain how this can be kinds and amounts of all the in- done and to give whatever advice er part of my time given to school

#### Tellico

(Unavoidably omitted last week) The Nantahala Power and Light supply the nitrogen in a fertilizer. company, which is constructing a Under the old law, these had been transmission line from Beechertown grouped together under the general to Sylva, has the line about com-

monia as it was then stated. But Albert Ammons and Miss Gradie cyanamid and urea also fell into Cabe were united in matrimony

cently with Mr. Smith's parents,

JOE, CAMELS YES, AND THEY ARE MILDER\_ HAVE A BETTER AREN'T THEY? FLAVOR, TOO!

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St. Agnes Episcopal Church FRANKLIN, N. C. Rev. Norvin C. Duncan,

SUNDAY, JULY 2 8 P. M.-Evening prayer and

Church Of the Incarnation HIGHLANDS, N. C.

11 A. M.-Holy Communion

the subject which I had selected, no reason why all of us should not Sliced Fresh Peaches. Silver Cake

I am thinking of the most dismy ministry. Since my illness I of the people whom I have had better realize the pathetic efforts of the young minister. Yet the people were complimentary, not by way of flattery or hypocricy, but to encourage a young cleric. The tendency in me to criticise has changed to appreciation and gratitude. Able now to realize how little I have given, the kindness and generosity of my people assumes larger proportions. That there are Life is that we can "forget," and

"In the preceding article Mr materials having little or no value. information that the manufacturers and to press on toward what is In fact 500 to 600 pounds of this will support with a guarantee.

"Then, too, my ministry has been diverse in 'character;' far the greatwork; my strictly ministerial la bors not parochial but missionary nearly two years spent as Chaplain to prisoners. From so varied an experience it is hard to single out what is most striking,

"But if I may take certain strong convictions that loom large and have directing force in my present ministry as the product of my past ministry, I may venture to say that probably the most distinctive Sunday, June 11, with Jud Smith thing in that ministry is the fact that I have found in my personal experience in dealing with men of all races, ages, classes and conditions the strongest confirmation of the scriptural teachings as to the essentially Spiritual nature of speaking, in every human being the sense of the Divine, some definite perception of right and wrong, is inborn, or, as St. John puts it, there is a 'light that lighteth every man that cometh into the world; second, that every normal human being is responsive to the approaches of love, and can be drawn by the cords of love, or, as St. Paul says, 'Love buildeth;' this is the one great constructive force to bring men together and bind them in an indissoluble unity. These two universal spiritual characteristics afford, as I believe, both a testimony that man is in an intelligible sense created in the image of God, and the only sure ground on which men will or can respond to the Gospel of The Kingdom of God!

(To Be Continued Next Week)

#### Called To Rest

Alberta Jane Cantrell, two and one-half months old daughter of Mr. and Mrs. Roy Cantrell, of West's Mill, died Wednesday evening, June 21, after an illness of three days.

The funeral service was conducted by the Rev. G. N. Dulin at the Snow Hill Methodist church at 3 o'clock Thursday afternoon of last week.

Out of 500 chicks from blood- On the Square tested stock, Lyman Jones of Bertie county has lost only 19 up kinds of fish and is a delight to age. It pays to use only bloodtested chicks.

#### SUNDAY DINNER SUGGESTIONS .

BY ANN PAGE

O matter what the weather or the thermometer says, July and August and, specifically, the weekend of the Fourth through Labor Day, are summer. And summer is vacation time, out-of-door time, picnic time for the whole family.

Though only a few of us will get to the World's Fair, to the seashore, the mountains or the lake, there are many favorite spots where we can spend summer evenings, Sundays or week-ends and BY REV. NORVIN C. DUNCAN gain needed rest and refreshment. There are three of us gathered The presence of icy cold waterthat summer is here. Since watercame in as I started this article, melon is an outstanding value in I shall briefly state my feelings on the stores this week-end there is enjoy this refreshing fruit.

ner Menus at different cost levels Rainbow Springs prepaged by the Quaker Maid S. M. Wolfe, of Asheville, was

Low Cost Dinner

New Cabbage Bread and Butter-Tapioca Cream Coffee or Tea Medium Cost Dinner

Glazed Carrots Tomato Salad Bread and Butter Iced Watermelon Coffee (Hot or Iced) Milk Very Special Dinner Crabmeat Cocktail Roast Veal with Gravy Rice

Pear) Salad

Tomato or Avocado (Alligator

Glazed Onions

a business visitor here last week. man, made a business trip to J. W. Damerson, an official of visit a few days ago.

moved his family here, where he has a position as company phyby every Ritter family,

from Asheville into the residence on Black street a few days ago. A. W. Agec spent one day last week in Asheville on business position as store clerk here.

Coffee (Hot or Iced) Milk company for sometime as store the week of July 24 to 29.

clerk, has resigned his position and returned home to enter farming, E. H. Danielson, our mill fire-

Franklin last Saturday. Rambow Springs won the ball Boiled Pienic Ham Creamed Potatoes W. M. Ritter Lamber company at game from Holly Springs by the Columbus, Ohio, paid us a short score of 5 to 3 last Saturday afternoon. The game was a good one Dr. Killian, of Hayesville, has and a large crowd turned out to

Next Saturday aRinbow Springs Broiled Beefsteak Baked Potatoes sician. The doctor is well liked will go to Franklin, where they play the government boys, and on Jess Breoks has moved his family July 8, it is expected that the double-header will be played here vacated by the late J. M. Smith between Rambow Springs and

> The North Carolina dairy asso-Carl Wilson, who has been con-ciation will hold its annual meetnected with the Andrews Nantas ing this summer along with the hala train crew, has accepted a State Farmers' Convention and the ninth annual gathering of the Charles Heasley, from Lineville, American Institute of Cooperation who has been employed by Ritter to be held at State College during

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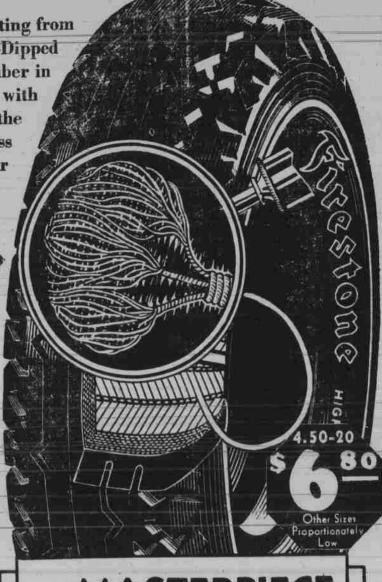
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