High Acidity In Many Cases Is I To Cheap Fertilizer:

Continued Increase In Acidity
Means Disturbance Of
Economic Balance

By H. P. COOPER, Agreno South Carolina Experiment Sta Eligh acidity of soil is one of the stant factors in the standard in estant factors in the economical utility agricultural land in the southeastern out of the virgin solls of these state aturally acid and are best adapted to sich are tolerant of relatively high

maturally acid and are best adapted to crops which are tolerant of relatively high soil soldity.

The recent trend in the use of chear nitrosence fertilizer materials has increased the acidity of some of our soil to the point where it is not possible to produce crops sconomically until the soil is limed. Previous to 1805, mixed fertilizers were non-acid, the average hase equivalent was equal to 18 to 60 pounds of limestone per ton. At the present time the average equivalent acidity of mixed fertilizers is about 180 pounds of limestone per ton. The continued use of fertilizers with a high equivalent acidity has rendered much of our soil totally until for the economical production of many (are tillizers is used in the southeastern states, the Southean farmer should be most soncerned about this consistent increase in the acidity of our soil by the use of acid-forming fertilizer materials. This increase in soil acidity has been one of the significant factors in the economical breaking down of many (arm units which were once the basis of prosperous and happy homesteads. If the increase in acidity of our soil, due to the use of acid fertilizers, is not corrected it will be impossible to prevent the economical breaking down of many (arm units which were once the basis of prosperous and happy homesteads. If the increase in acidity of our soil, due to the use of acid fertilizers, is not corrected it will be impossible to prevent the economical breakdown of a large proportion of our acid soil areas are being abandoned because it is impossible for the farmer to maintain an adequate statundard affilizing. Since many acid soils can be restored by the judicious use of lime to successful economic farm units, every effort should be made to assist every farmer to determine the condition of the land he is farming.

Realising the serious condition facing the agricultural resources of the state, the Soil acidity determines on 2,330,001 soil samples from 57,050 farms have been made, and liming and fertilizer recommendations for a v

iming and fertilizer recommendations for various crops at different pH values of the soll have also been made.

The rypical Counties

The soil scidity determinations from a typical Pledmont county, Spartanburg, and from a typical Countie Pledmont county, Spartanburg, and from a typical Counties of the soll plains county, Williamsburg, show that a large proportion of our soil is too soid for the economical production of crops. Epartanburg is one of the best agricultural counties in the state and several years ago was selected, along with Anderson county, as one of the 50 hest agricultural counties in the United States. According to our findings, 23 per cent of the soils in Spartanburg county are strongly to extremely soid and are not suitable for the economical productics, of many of our important crops. Only 15 per cent of the soils are slightly acid, which is the optimum reaction for the most economical production of crops.

The soils of Williamsburg county are typical of what occurs in the Coastal Plains section of the state. Around 30 per cent of the soils are classified as strongly to extremely acid, which is an unfavorable reaction for the production of most important grops. Only five per cent of the soils are slightly acid, which is the optimum reaction for the most economical production of many crops. Since this sentition exists in two of our best agricultural counties a very match were situation exists in two of our best agricultural counties a very match were situation exists in two of our best agricultural counties a form which may become acidity in the red Fredmont and Upper Coastal Frains soil. The possibility of successful growth of crops on gray Fredmont or Coastal Frains soil with a relatively high degree of acidity is very probably related to the relatively low content of magnetic amounts in highly acid, red or chocolate soils that contain relatively law amounts of these materials. To refer to of classifications of the very low contents of such materials as magnetic and from the Decome soluble i

Grading And Sizing Apples In Henderson County



One of the first automatic apple using machines in operation near Hendersonville,

Peach Production Is Stabilized As Money Crop In S. Carolina

By A. M. GRIST

Editor, Yorkville Enquirer

Peach growing as an industry, a money crop, is being rapidly developed in the central Piedmont counties of South Carolina and especially so in the counties of Spartanburg and York, both of which border North Carolina. Development of this industry has been rather slow for a number of years, and is taking on speed the last two or three years, with every promise of faster development the next few years, as farmers appreciate the possibilities of the peach as a money crop, and the increasing demand for the

A. M. Grist After about three years the first crop was harvested,—three or four carloads of not very superior fruit—which were shipped to Charleston, That was long before the days of Eibertas, Georgia Beiles, Hales and other choice peakhes of today, Likewise it was before the days of "spraying," scientific fertilisation and cultivation, The fruit was infarior, small in size, defective in shape; color, often "wormy." After a year or two the project was abandoned—a failure.

It was not until perhaps some 15 years ago that intelligent steps were taken toward commercial fruit growing in York county. Pioneers in the industry were Cameron Johnson and his sons, David and John; the Mesers, Land Brothers, Barnford Garrison, Captain Elliott White Springs, of world war aviation fame, and Rev. G. C. Epps, in Fort Mill township.

Conditions ideal

Mr. Johnson believed that soil and climatic

m response may be secured from a small

Every farmer should buy non-acid forming fertilizer unlose he has previously limed his soil and is esticited that the soil would not respond to the limestone included in a nun-acid forming fertilizer. A non-acid fertilizer which contains limestone, instead of sand or other mert filler, ecets more per ton, but it will produce more crop and is the most economical fertilizer to buy.

Survey Data Valuable

Many farmers have made axcellent use of the data secured in the Land Used Survey and have prevented a number of crop failures.

Under present conditions it is necessary for a farmer to get a successful yield of each crop he produces.

conditions in York county along what is known as the "Ridge," running from the North Caro-lina line near Kings Mountain to the Chester county line—along the watershed between Catawba and Broad rivers, east and west—had all the qualities necessary for peach growing He had visited the peach orchards of Georgia and the Sand Hills of North and South Carolina and from his observation and study was of opinion that York county conditions were

deal

He started with a few budded trees, patiently tended them until they began to produce what he believed was perfect truit. He took samples with him and visited the big Georgia orchards and compared his product with the heat of that state—flavor, color, size, and shape being considered. He found his fruit in every way equal to the Georgia product; he believed it to be better. Cannily he put samples of his fruit with the fruit of the orchards where he worked as a grader and packer and then had the experts pass judgement on the York county product. In every case it was judged equal or superior to the Georgia product, though the judges in Georgia didn't know they were passing on Bouth Carolina fruit.

Satisfied with his experiment Mr. Johnson at once began setting out peach trees on his lands south of York, S. C. He added to his orchards year after year; his sons seeing what the elder man was doing, followed his lead. Mr. Garrison, a near neighbor also early began growing peaches, perhaps starting about the time as did the elder Johnson as did the Land Brothers, their orchard being on the Chester county line on the same ridge, Success from

All of these growers of peaches, as well as others set out larger and larger numbers of trees, and each year they have found a ready market for their products. The Land Brothers and Cametons have greatly increased the number of their trees the past two years, fleveral thousand young trees are now rapidly growing, but will not come to hearing state for a year and two years. Inspired by what the pioneers have done, other farmers have set out orchards the past few years, notably the Smith Brothers, Grady Adams and the late R. N. Plaxeo. Information now is to the effect that farmers and land owners of York county will this fall and winter set out additional orchards totalling hundred thousand budded trees and perhaps more.

Beady Cash Crop

Ready Cash Crop

m response may be secured from a small lication.

The farmer should buy non-soid forming likes unless he has previously limed his and is estisfied that the soil would not forming fartilizer. A non-soid feetilizer is not forming fartilizer. A non-soid feetilizer of contains limestone, instead of sand or emergency life, costs more per ton, but it produces more crop and is the most containe limestone, instead of sand or such as feetilizer to buy.

Survey Data Valuable lany farmers have made accellent use of the a secured in the Land thee Survey and a prevented a number of crop failures, loady present conditions it in becausary for terms to get a successful yield of each Grop growers have this season sectived as mich per terms to get a successful yield of each Grop growers have the bear sent to his a report can be of value to the operator has larm for a long period.

The Hanne of our said soil is one of the sense of the said that form of the farm for a long period.

The Hanne of our said soil is one of the sense of the said that there is ponething of our said soil is one of the sense of the said that form of fortilizer. These there is the production of our fail to the portion of the fallier of the production of fartilizer. These there is no making of our said soil is quit of the said that there is ponething of possible say the lightness of scopi. Much of our land is long to the said that the said that there is ponething of our said soil is quit of the said that production of fartilizer. These there is one successfully grown, with the said that the production of our grate is said to said the said that the production of our grate is a said factor of the said that the production of our grate is a said factor of the said that the production of our grate is a said factor of the said that the production of our grate is a said factor of the said that the production of the said that the production of our grate is a said factor of the said that the production of the said that the production of the said that the production o

were in excess of domestic narries.

Because of the heavy supply of supply in practically all sections, most married been petting about as many as they from local sources and commercial have had a hard task to find a market for fruit. Prices thus far have averaged has late August practically all Eastern and a Western cities were quoting from adcents per bushel with only a little of the large fruit at \$1.

This season's crop is heavy to early wand after they begin to clean up the about do better. Fruit has made good main most parts of the country in recent particularly in the Northwest where the apple producing sections expect to have a of exceptional quality and color.

The shorter crop of citrus fruit this should react favorably on apples and tend to pull up apple prices later in the son.

Cigar Type Tobaccos Below 5 Year Average

Production of cigar type tobacco reater this season than it was jour y till much below the five average for

According to the latest available at the U. S. Department of Agriculture of cigar filler tobacco is 38.870.0 compared with 34,357,000 pounds. This compares with a five year aver 993,000 pounds.

998,000 pounds.
The crop of digar hinder type is larger than in 1984 but much is year average. The production is not at \$1,589,000 pounds compared with pounds last year and a five research and last year and a five research and is detimated at \$15 compared with 7,048,000 pounds a five year average of 10,659,000 per Production of cigar types of to clined more than the other types.

Tobacco Futures

Closing prices on tobacco futures on New York Produce Eschange were as for as or August 28: Flue-Cured Bright: Sept ber 26.50; October 27.00; November, 26.00; comber 24.50; January, 26.50; February, 26.50; Closing prices on burley were: Septem 17.00; October, 17.50; November, 17.50; comber, 18.00; January, 16.10; February, 18. March, 18.30; April, 18.50.

Voldese farmers in Burke County are now harvesting grapes by the more than 50 varieties in the vincy

It Pays To Advertise

Does it pay to advertise,
Our Oprtlands, Macs and Northern
Spies?
Our we hope to multiply
Their use for sauce, dessert and plat

The said that orange, peach and rain Are used because of costly praisin', Bo why can't we increase our sales By publishing appropriate tales Of how our apples cure what alls?

Tobacco ads tell us how handy We'll find a fag in place of cand Gum merchants coyly raise the g "Why not chew gum for indigestic

Then all you men who Don't hertitate to ming to I'm sure that advertising So pen your slogans trif And tell the world,—It's —E. Stunce Hubbard, all werthing committee of New England Apple In