Orchard Is Valuable Asset For Both Home And Commercial Uses

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There is no state in the south where conditions are more favorable on every farm for the production of fruits for home use than in South Carolina. The state is less adapted to apples and cherries than some of the other fruits, yet on farms in all sections of South Carolina certain varieties of apples are found growing successfully. Charfies do not seem to bear profitably except in a few of the western counties, where the soul is fairly stiff.

Such fruits as peaches.

Such fruits as peaches, plums, grapes, rawherries, dewberries, and blackberries owever, grow and produce well in all secons. In the central section or Sandhill beit, twberries, grapes, and peaches are especially rofitable.

Care Of Orchards

After having worked with farmers in all sections of the state for several years, I am thoroughly convinced that there is only one reacon why South Carolina farmers are not well upplied with fruit direct from their own arms the year round, and that reason is the ack of proper care of orchards.

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son why South Carolina farmers are not well supplied with fruit direct from their own farms the year round, and that reason is the lack of proper care of orchards.

To show the actual value in dollars and cents of a well kept home orchard, a number of result demonstrations in home orchard management were arranged several years ago. The demonstrators were required to keep accurate records of all expenditures, including spray materials, containers, and labor such as pruning, spraying, thinning, cultivation, worming, harvesting, etc.

A summary of results on 29 orchards shows that they contained 3,635 trees, which produced 5,442 bushels of fruit. Much of this was sold as fresh fruit and 4,133 quarts were canned and 456 pounds were dried. The total gross value from these orchards was 65,600,13 and the cost was a1,272.72, leaving a total profit of 65,286.41.

Net Profit Substantial

According to these records, the average orchard consisted of 125 trees, which produced 185 bushels of fruit. Besides fresh fruit sold, the average amount canned from each orchard was 143 quarts and the sverage amount dried was 163 quarts and the sverage amount of the average occupant was 143 quarts and the sverage amount of the average occupant was 143 quarts and the sverage amount of the same street of the products per orchard was \$236.83, the average occupant in the order of their popularity are; peaches, apples, grapes, pears, cherries, plums, pecans, figs, and apricots. No one orchard had all of these fruits but they all contained two or more.

These figures serve to call attention to the possibilities which a well managed orchard possesses in supplying fruit for home use and to some green for sale. They are well worth the consideration of those who have orchard when planning a home orchard.

The following points should be considered when planning a home orchard.

The soil should be prepared thoroughly before planting by breaking as deeply as possible and harrowing to pulverise.

It is always best to purchase frees direct from a reli

Cultivate Regularly
Trees abould be cultivated reguarly. They espond to good treatment as well as any of he cultivated crops.

Trees will not do well or produce good crops a poor soil without liberal fertilization.

For the first two or three years two or three ows of any of the low-growing crops can be rown between the rows of trees. Grain hould never be allowed to mature in orthards.

The best varieties, chosen to provide fruits the entire year, should always be selected for the orchard.

Tree planting Time Now.

Tree planting time, just as soon as the frost has knocked the leaves from the trees and their dormant season has started, is about here. Tree planting time is over when the trees begin to bud in the spring. In South ern climates it is generally a good plan to set the trees during November and December.

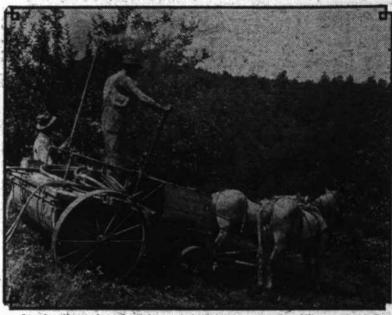
When a few hundred or less trees are to be set the following is a good method to follow. As soon as the trees arrive from the nursery they should be hesled in to protect them from dying out before they are planting. On the local manner of the soil that comes from the top of the hole on one side and the soil from the lower part on another aids.

The roots of the young trees are pruned by removing all of the holewing or injured ones and those that are too long for the hole. The earth from the top of the hole is thrown into the bottom and mixed with a couple of forkfuls of well rotted manure or a pound of bohe meal or a pound of cottons and the tree is put into the hole one link or so deeper than it stood in the nursery row. As more soil is thrown into the hole it is tramped down as tight as possible; some planters use a tamper or 3 x 4 to ram in the drt. Fill the hole as possible; some planters use a tamper or 3 x 4 to ram in the drt. Fill the hole as the top with the soil from the bottom of the hole and be sure to fill the hole in a few inches higher than the surrounding land in order to take care of the setting.

After the planting is finlahed and all of the tools are taken to the next hole, then



Home Orchards Are Profitable



Spraying the apple orchard for control of bitter root and coddling moth at Port

Number Of Apple Trees Decreased By 120,800,000 In Last 30 Years

NUMBER of apple trees in the United Stales today is considerably less than half the number reported in the agricultural census of 1910. From 1910 to 1925 there was a net decrease of 79,100,000 trees. From 1925 to 1930, there was another decrease of 21,760,000 trees, making a total decrease of 46 per cent in the 20-year period.

Since 1930 a further decrease of 20,000,000 trees has occured bringing the total of all apple trees in commercial and farm orchards down to about 96,000,000.

Although this tremendous falling off has been due largely to economic forces, the cold winters of 1938-38 and 1934-36, and recent drought pears have taken a heavy toll. Since the commercial to this cause. Minety to 93 per cent of trees killed in this manner were of bearing age.

During the five reas from 1930 to 1834 production has averaged about 153,000,000 bushels a year, a decrease of 5,5 per cent from the previous five vera period. The 1835 from the previous five vera period.

Experts declined abarray from 1929 to 1938, largely because of reduced communer busyling pears went up to 90 cents a busyling pears that a nearly to 1935. The 1935 Crop

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The 1935 Crop

During the five years from 1930 to 1834 production has averaged about 152,000,000 bushels a year, a decrease of 5.5 per cent from the previous five year period. The 1935 crop is estimated now at 168,000,000 bushels, a relatively large production.

Although the number of apple trees of bearing age has decreased 20 to 25 per cent in the last ten years, potential producing capacity of all orchards has been nearly maintained by an increased producing capacity per bearing tree, and there has been no shortage of apples on the average,

Fruit Production Increases Despite AcreageDecrease

well adapted to commercial apple production.
During the next 20 years, many of these trees
went out of production, and between 1910
and 1930 apple tree numbers declined about
46 per cent. Plantings in favorable locations remained, however, and these with additional plantings, have resulted in an increase in the average production per bearing
tree of about 50 per cent during the same
20 year period.

Other fruits have passed through the same
cycle. Plantings of citrus trees was heavy
between 1920 and 1930. Low producting acreages of citrus are passing out of production.
Since the consumer demand for all fruits
combined is such that small crops tend to result in about the same gross return to producers as large ceops, changes in the total
gross income for fruit are dependent largely
upon changes in consumer buying power.
Thus, as consumer buying power is expected to be higher in 1936 than in 1935, some
increase in total gross income from fruit
production may be expected. This at least,
is the forecast of the bureau of agricultural
economics of the UBDA.

Foreign fruit crops will be smaller, generally. This appears to be favorable to the
export trade in the United States during the
balance of this year. From the long-time
standpoint, however, producers in this coun-

Cold Storage Stock Of Apples Forecast Better Price Level

(By Our New York Correspondent)
Despite the heavy crop of apples this the cold storage holdings as of Novembewere lighter than lest year. The storage hings are usually a good indicator of the plus of apples left after fall harvest.

The smaller reserves are undoubtedly to the large crop of early varieties this son, severe freeze damage in the North-late in October and to good consumptive mand during the past two months. Ap have been cheap and people have been ing a lot of apples.

This season's preatest surplus of apples in Virginia and adjacent states so the s age holdings in the South Atlantic group states totals 5,395,000 bushels, or a la quantity than in any of the past five ye However, the export demand has been he this season and seeins likely to continue which will tend to absorb the surplus in tares.

Prices Baye Improved

which will tend to absorb the surplus in that area.

Prices of apples were relatively low during the harvest season but since then prices have improved slightly and seem to be in a strong position at present. Curiously enough, the large sized fruit is more difficult to sell in some instances than the small and medium because of the heavy surplus of large sizes. Export markets require small to medium sizes for the most part and supplies have been barely adequate of these sizes to supply both export and domestic trade.

This seems to be one of those years when the supply of late keeping apples is light in proportion to the total crop and after all of the early varieties are cleaned up, a somewhat firmer situation may develop. Citrus fruits are lighter than last season, which should tend to strengthen the market through increasing the demand for apples.

Acreage In Peaches Expands Rapidly In Western S. Carolina

GRAPE CEOPS INCREASED

Indicated United States production of the bie-grape varieties for 1985 is 636,000 ton of which California produced 362,000 ton This is approximately 12 per cent great than the productivity of the present acra age at average yields. Since repeal, considerable quantities of table-grape varieties have been used for the manufacture of commercial wine and brandy.

MICE ATTACK APPLE TREES
By gnawing away sapwood from the true and roots of apple trees, field mice will son times rain a good orchard during a sin winter. These pests may be controlled destroying grass and weeds under the true and by putting out poisoned wheat beit. That may be piaced in old tin cans or bott laid on their sides,

CANNING CONTEST WINNERS
Cleveland and Rutherford counties, N.
won first place in the annual home denstration canning contest held at State
lege. The contest was conducted in two
visions, one appossored by the Ball Brot
Company, which offered \$75 in prizes, and
other by the Kerr Company, with \$50
prizes, Winners of the first contest w
Mrs. Hunter Ware, of Cleveland County,
Mrs. Annie Godwin, et Cleveland, \$15;
Victor Penny, of Johnston, \$12; Miss E
Dixon of Alamance, \$10; Mrs. J. G. Geer
Butherford, \$8; and Mrs. F. S. Hagar, of (
ton, \$5.

of Afamance, \$2.

PLANNING THE HOME GARDEN

"One of the greatest pleasures I have is planning, planting, and caring for our home garden. It means so much to the health of our family I don't know what I would do without it." said Mrs. Ernest F. Scott, Robeson county, N. C. farm woman. "We once had the idea that a spring and summer garden was sufficient, but now we have learned better. When we did have a fall and winter garden, we ate too much pork.

"As a result, our complexions were bad, we suffered from constipation and other allments, and we felt awfully aluggish. But now that we have plenty of vegetables, these troubles are eliminated.