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 fare for the production of fruits for home us than in South Carolins. The state is less adapted to apples and cherries than som of the other fruits, yet on farms in all sections of South Carolins certain varieties apples are found growing successfully. Cherries do not seem to hear profitably except in a few of the western counties, where the soil is fairly stiff.

Such fruits as peaches, plums, grapes strawberries, dewberries, and blackberries however, grow and produce well in all sections. In the central section or Sandhill beindewberries, grapes, and peaches are especially profitable.

Care Of Orchards

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After having worked with farmers in all sections of the state for several years, I am thoroughly convinced that there is only one reseon 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.

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To show the actual value in dollars and cents of a well kept home orchard, a number of result demonstrations in home archard 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 28 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 caimed and 456 pounds were dried. The total gross value from these orchards was 86,669.13 and the cost was \$1,272.73, leaving a total profit of \$5,286.81.

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 148 quarts and the average gross value of products per orchard was \$226.52, the average cost being \$43.88, leaving a net profit of \$182.64.

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The fruits represented in these orchards and given in the order of their popularity are; peaches, apples, grapes, pears, cherries, plume, pecana, figs, and spricots. 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 extent for sale. They are well worth the consideration of those who have orchards which could be renovated or those who contemplate planting new ones.

Finning The Orchard

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

The orchard should be on an elevated location. It is not wise to set trees in a "flat." In low places late frost often kills the fruit. The best soil on the farm is none too good for the farm orchard.

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

It is always best to purchase trees direct from a reliable nursery that is inspected regularly by state officials.

Trees are propagated principally by budding and grafting. Seedling trees are unclearable, as they seldom produce good fruit. In planting trees, it is best to remove all injured limbe and roots and make holes large enough to allow the roots to take natural positions.

Cultivate Regularly

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Trees should be cultivated reguarly. They respond to good treatment as well as any of the cultivated crops.

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

For the first two or three years two or three rows of any of the low-growing crops can be grown between the rows of trees. Grain should never be allowed to mature in orchards.

enards.

Leguminous cover crops, sown regularly in September and turned under in early spring, will take the place of a large amount of fer-

The diseases of the trees and fruits are numerous. The only method of controlling them is by spraying.

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

Planting Time Now



Home Orchards Are Profitable



Knob, N. C.

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

NUMBER of apple trees in the United States 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 21,700,000 trees, making a total decrease of 46 per cent in the

decrease of 21,700,000 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 occurse, bringing the total or all apple trees in commercial and farm orchards down to about 90,000,000.

Although this tremendous falling off has been due largely to economic forces, the cold winters of 1938-34 and 1934-35, and recent drought years have taken a heavy toll. Sixteen per cent of the reduction in the last five years is attributed by the bureau of agricultural economics to this cause. Ninety to 95 per cent of trees killed in this manner were of hearing age.

The 1935 Crep

During the five years from 1930 to 1934 production has averaged about 163,000,000 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 abortage of apples on the average.

rear they averaged 60 cents he against 80 cents last year.

Eastern States Suffer

During the last five years—1831 to 1935—the sastern states, which include New Rogland, the middle Atlantic and the south Atlantic states, produced about 64,000,000 hushels of apples per annum, or about 41 per cent of the total United States crop.

The freeze of 1933-34 killed or so badly injured that they are expected to die, at least 2,500,000 trees, and severely injured many more. Most of these of course were in New England and New York. Production in this area declined in 1934-35 by 7,200,000 bushels as a result, and a large part of this decrease represents a pormagent reduction in the potential bearing capacity in these states.

The Export Situation

Apples have been an agricultural export for over 100 years, assuming their greatest importance following the World war. As much as one-fifth of the commercial crop of the United States has been exported in some seasons.

Exports have declined since the depression, owing to a combination of unfavorable circumstances. Probably the most important factor has been the raising of trade barriers in many countries. Other reasons have been small American crops, increasing competition from the fruit of other exporting countries, and reduced purchasing power in all importing countries. Apple exports cannot be expected to expand much unless present trade barriers are modified or removed.

Fruit Production Mell 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

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

Tree planting time, just as soon as the frost has knocked the leaves from the trees and their dormant season has atsuted, is about here. Tree planting time is over when the trees during Rovember and December.

When a few hundred or less trees are to be set the stool with a good method to follow. As soon as the trees during Rovember and December.

When a few hundred or less trees are to be set the stollowing is a good method to follow. As soon as the trees arrive from the nursery they should be heeled in to protect them from dying out before they are planting chief Cause.

(By a staft writer)

Combined acreage of all truits in the United States has been declining for the past 15 years. While it seems paradoxical, there has bey removing all of the broken or injured ones and those that are too long for the hole. The carth from this top of the hole is thrown into the bottom and missed write a couple of forkfuls of well potted manure or a pound of bone meal or a pound of cot toused meal.

The tree is then set in the contex of the same as the planting of apple trees between 1905 and 1912 was made in many localities not be to the hole and be sure to fill the hole in a rew inches higher than the surrounding land in order to take are to the leating.

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

Acreage In Peaches Expands Rapidly In Western S. Carolina

MICE ATTACK APPLE TO By grawing away aspwood from and roots of apple trees, field mic times ruin a good orchard during winter. These pesis may be a destroying grass and weeds under and by putting out poisoned whe bait may be placed in old tin car late.

canning contest the winners of the latter contest the winners and other by the Rer Company, with 55 prises. Winners of the first contest was conducted in two visions, one sponsored by the Ball Bro Company, which offered 878 in prises, and other by the Kerr Company, with 55 prises. Winners of the first contest was conducted in two visions, one sponsored by the Ball Bro Company, which offered 878 in prises, and other by the Kerr Company, with 55 prises. Winners of the first contest was conducted in two visions, and other by the Kerr Company, with 55 prises. Winners of the first contest by rises. Winners of the first contest by rises. Winners of the first contest by the Ball Bro Lixon of Alamance, 310; Mrs. J. G. Geer Rutherford, 35; and Mrs. P. S. Hagar, of the latter contest the winners winner. S. In the latter contest the winners winner. S. In the latter contest the winners winner. S. Rankey, of Rutherford, 220; A. P. Palls, of Cleveland, 115; Mrs. A. Godwin, of Umberland, 110; Mrs. W. G. Vinner, of Vance, \$5; and Mrs. W. P. Bot of Alamance, \$2.