

## WINTER FARMING

By GUY A. CARDWELL

At the time this article is being written drought conditions in the stricken states are unimproved, and cattle by the millions of head will have to be transported to areas where cheap feed is to be found. I am informed that the cattle shipped will be slaughtered as rapidly as facilities will permit. The distribution of fresh meat no doubt will be limited to families on relief rolls. Cold storage capacity is far from adequate to meet the present emergency. It is, therefore, proposed to establish temporary killing plants, storage plants, canning plants, etc. in numerous cities and towns located in areas to which cattle are to be shipped for pasturage. I started out to write about winter farming, but the drought and the problems resulting therefrom are constantly being called to my attention. A committee of prominent officials representing the United States Department of Agriculture and the Agriculture Adjustment Administration has been considering the drought situation in relation to the depletion of hay. After laboring with the problem, "It has been suggested that hay be harvested on all unused pastures and fields surrounding the eastern cities, and used as forage to carry cattle through the winter."

Hay crops growing in the winter should also be saved for use as forage. We should be thankful that we have a section in winter farming in this section and make ready to plant small grains and winter legume on all available lands.

Winter vetch is widely used for hay in mixtures with small grain and the yield of hay is largely increased by its practice.

Red clover is somewhat objectionable for hay, because if cut later than its blooming time the seed hulls are injured or even death to the stock. On account of its erect habit it is often grown alone for hay.

Winter seeds, being small, should not be sown over an inch deep. This makes it difficult to grow the crop on soils, either sand or clay, that are likely to be dry during the fall months. When sown alone, crimson clover may simply be scattered on the ground, and covered with a light harrow or weeder. If used in mixtures with other seed should be sown first, and the crimson clover should be sown and covered very lightly.

Austrian Winter peas although mentioned last should be first this year, says my friend Enos C. Blair, Extension Agronomist, North Carolina College of Agriculture. Mr. Blair further, "Field demonstrations have shown that when other things are added, crimson clover, vetch and Austrian Winter peas make about the equal yield of hay. They also give the same increase in soil fertility when turned under; but for winter reason crimson clover seed and vetch seed are high in price this season. If the winter peas may be vetch at a less price there is no reason why they may not be purchased for vetch and clover."

Blair says the price of crimson clover seed is nearly three times and the price of vetch seed is over twice that being asked for Austrian winter peas. Assuming that 20 pounds of either clover or vetch or 30 pounds of Austrian peas is the right amount to sow on one acre of land, the cost of seeding the vetch is 50 percent more than for the peas and the cost of seeding crimson clover is about 200 percent more.

Allow me to again suggest that all acreage available in Virginia and the Carolinas should be made ready for winter farming.

### Revival Services Being Held At Rocky Hock

Rev. Mr. Cole, of Plant City, Fla., is conducting revival services at Rocky Hock Baptist church this week. Two services are held daily, at 3 and 8 p. m. Rev. Frank Cale is pastor of the Rocky Hock church, and invites everybody to attend the meetings.

Rev. Mr. Cole concluded a revival meeting at Center Hill Baptist Sunday night.

### Services Being Held This Week at Bethel

Revival services are in progress at Bethel Baptist church this week. Services are held both afternoon and night. Rev. John Byrum, pastor of the church, issues an invitation to all to attend.

### CLEVEN AND COUNTY EXPECTS BLENDED COTTON CROP

Cleveland County farmers report an excellent cotton crop. Dry weather in some parts of the county will hurt the crop, but on the whole, the outlook is favorable.

### Fit Dairy Cattle Early For Fall Show Exhibits

The fitting and showing of dairy animals is an art that means almost as much as quality in winning prizes in the show ring.

Fred M. Haig, associate professor of animal husbandry and dairying at State College, who has judged many exhibits at fairs, said that many owners have lost first place through improper methods of preparing and exhibiting their entries.

Too many dairymen wait until a week or two before the fair to start preparing their cattle for the show ring, he said. The animals should be selected 10 or 12 weeks before the fair and put through a thorough conditioning.

They should be selected for their age and breed, with straight, level top lines; long, deep middles; natural refinement or quality; and smart, clean-cut appearance.

The young animals should approach the upper age limit of their class, since the larger animals are given preference over smaller ones, he said, when other things are equal. He also suggested fitting several animals in each class so that those showing up best at the close of the finishing season can be selected for exhibition.

Females in milk should have well developed mammary systems, with large, well balanced udders and teats of uniform size, squarely placed. The dry cow does not show up so well as the cow in milk.

Haig warned against putting too much fat on the animals or overfitting them. The objective is to put

on just enough flesh to give them a smooth, sleek appearance. A good grain mixture to feed is 100 pounds of ground corn, 100 pounds of ground oats, 100 pounds of wheat bran, and 100 pounds of linseed oil meal.

Careful grooming of the animals is as important as proper feeding, with plenty of brushing every day. Tar soap is recommended. Haig advised against clipping over the entire body as it makes the hair grow coarser.

### Fowls Lose Health As Production Is Pushed

The evolution of the fowl from a jungle bird laying 15 eggs a year to the modern hen laying up to 300 eggs in the same period is a monument to poultry science, says R. S. Dearstyne, head of the State College poultry department.

The fowl has been transformed from a partially herbivorous bird to one which will utilize large quantities of animal protein in egg manufacture. The birds' bodies have probably changed in adapting themselves to the new diet, he said.

Unfortunately, however, the tendency of the industry has been to stress increased production without taking sufficient consideration of fowl vitality.

The question of mortality is now a major concern of the industry and much thought and investigation must be spent before the problem can be solved, Dearstyne stated. The problem is complex, as there are so many reasons for birds dying early.

A recent study by O. B. Taylor of the Poultry Department into the

cause of death in 4,440 fowls showed deaths were caused by the following conditions in the percentages listed: diseases of the digestive tract 15.9 percent; intestinal parasites 11.6 percent; respiratory diseases, 9 percent; tumors, 8.4 percent; germ borne diseases, 7 percent; diseases of the glandular organs, 6.9 percent; constitutional diseases, 6.5 percent; genital diseases, 6.5 percent; abdominal diseases, 5.4 percent; protozoan diseases, 5.4 percent; nervous diseases, 4 percent; accidental deaths, 3.6 percent; diseases of the circulatory system, 1.3 percent, and cutaneous diseases, .5 percent.

This study brought out the fact that much of the work of reducing mortality will fall upon the individual poultryman to use better methods of flock management and of controlling the spread of disease.

### Looks Like Asking Too Much Of Jesus

We are indebted to the Sampson County Independent for the following article:

It was rather discouraging, to say the least. A local store turned a note over to a Clinton attorney for collection. The man who gave the note lives in an adjoining county and the Clinton attorney sent the note to an attorney in that county for collection. The note was returned with a letter reading in part as follows:

"The man who gave the note is a sanctified Negro preacher, who says he will never die, and he does not pay his debts because he says: 'Jesus paid it all.' I regret that I could not collect the note for you."

# LESS COST To Buy To Operate Highest Resale Price

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