

Cover Crops Prevent Large Soil Losses

Wheat and lespedeza in a four-year rotation with cotton and corn reduced the average annual soil loss by more than half as compared with continuous cotton, says the Agricultural Station at State College in reporting tests near Statesville on a Cecil sandy clay loam with a 10 per cent slope.

"The sod not only provided excellent protection while growing on the land but it also reduced soil loss from the succeeding row crop," according to the soil conservationists. Experiment Station Bulletin No. 347 gives a full report of a large number of tests.

The tests definitely establish the fact that a large proportion of the annual soil loss in this area occurs during June, July and August. Where cotton did not follow a winter cover crop, the tons of soil lost by seasons were approximately as follows: December through February, 1/2 ton; March through May, 2 1/2 tons; June through August, 24 tons; and September through November, 2 tons. About 90 per cent of the soil was lost in the three summer months.

Where corn followed rye and vetch, essentially the same thing happened but, of course, the soil loss was much less. A loss of 8 tons out of a total soil loss of 11 tons occurred during this June, July and August period. Where there was a complete sod on the land, the soil loss was reduced to almost nothing, even at this period of the year.

Summer legume crops save many tons of soil per acre every year and, when turned under, they add nitrogen for soil building and help to prevent soil loss in row crops the following year. In the four-year rotation about nine tenths of the soil loss came from growing cotton and corn.

A Dairyman Pleads For Cheap Roughage

A Wayne County dairyman pleads for cottonseed hulls at \$20 a ton to feed with \$54 cottonseed meal in producing milk at 40 cents a hundred pounds, with trucking deducted, also \$4 a month for cans, and expenses for filter discs, disinfectants, and the like.

The dairyman further pleads that prices of \$45 for poor hay and \$55 for other hay are not justified on the basis of the present milk price. "Can you tell me where I can get some cheap roughage?" is the question which is put to the Extension Service at State College.

Now that many dairymen and beef and cattle producers, for that matter, have let their cows get ahead of their feed supplies, it's time to talk once again about the production of more feed and cheap feeds upon which to build a safe and sane livestock industry.

The Extension Service has called attention to the yields of about 20 bushels of corn per acre and .9 on a ton of hay. They have out-

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Having qualified as Executrix of the estate of Clarence B. Goodman, deceased, late of Perquimans County, North Carolina, this is to notify all persons having claims against the estate of said deceased to exhibit them to the undersigned at Hertford, N. C., on or before the 17th day of March, 1946, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.
This 17th day of March, 1945.
Margarette Langston Goodman,
Executrix of Clarence B. Goodman.
mar23,30, Apr6,13,20,27

NOTICE OF ADMINISTRATION
Having qualified as Administrator of the estate of Thomas Sidney Broughton, deceased, late of Perquimans County, North Carolina, this is to notify all persons having claims against the estate of said deceased to exhibit them to the undersigned at Hertford, N. C., on or before the 19th day of March, 1946, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.
This 19th day of March, 1945.
VERA H. BROUGHTON,
Administrator of Thomas Sidney Broughton.
mar23,30, Apr6,13,20,27

NOTICE OF ADMINISTRATION
Having qualified as Administratrix CTA of the estate of Miles Bemby, deceased, late of Perquimans County, North Carolina, this is to notify all persons having claims against the estate of said deceased to exhibit them to the undersigned at Hertford, N. C., on or before the 16th day of February, 1946, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.
This 16th day of February, 1945.
IRENE B. DAIL,
Administratrix CTA of Miles Bemby.
feb23mar2,9,16,23,30

lined practices that will more than double these yields and on a reasonable, practical basis. They have urged the growing of more grazing crops throughout the year.

If the dairyman from Wayne had seeded about 4 bushels of oats, rye and barley per acre along with some Italian rye grass about the first of last September and fertilized it with 400 pounds of complete fertilizer, there would be no call for "cheap roughage" at this time, milk production would be mounting, and there would be a much better chance for profits, according to the Extension specialists.

A farm agent, faced with a 7,200 ton hay deficit in his county, is urging that lespedeza be seeded on every acre of fall sown grain and that farmers give the lespedeza 300 pounds of complete fertilizer per acre, after the grain is cut, where a complete fertilizer was not used last fall.

Prevent Cannibalism In Poultry Flocks

Serious losses may occur in poultry flocks if cannibalism is allowed to develop. At the very first sign of feather pulling, hip or back picking, vent picking or tail picking, the poultryman must take measures to control the condition.

It is thought that the trouble may be due to overcrowding of the birds or some feeding deficiency, according to the Extension poultry specialists at State College. They recommend several changes to help correct the situation.

First give the flock more room, including out-of-door range or yarding if possible. Second, use an anti-pick salve or paint about 25 percent of the flock (both picked and non-picked birds) with tar. Add additional salt to the mash at the rate of 1 pound to each 100 pounds of mash for several weeks.

As to feeding, the birds may be given 5 pounds of whole oats in hoppers per 100 birds for each day, with green feed not exceeding an ounce to a bird. Additional meat scraps may be fed, but this practice should be discontinued if diarrhea develops or an increase of blood spots in the eggs.

Darken the nests by hanging sacks in front of them. Hang a head of cabbage, or some salty meat skins, about a foot above the floor so that the birds will have something to pick.

No one seems to know the exact answer as to just what does cause cannibalism but there are many remedies for correcting the condition.

Plow "Fire Lines" Through Woodlands

An excellent way to protect the farm timber crop is to plow fire lines through the woods and keep them

open says Farm Forester H. E. Blanchard of the State College Extension Service.

He explains that fire control is a simple matter when everyone in the community works together but accidents often happen and everyone is more or less careless at times. Therefore, it is best to be prepared for forest fires.

One method of fire line suggested by Blanchard is the plowing of two parallel furrows about 20 to 30 feet apart and the burning of the material between the furrows. This establishes a good fire break and will usually stop slow burning fires. It is, of course, necessary to return this area each year.

Another method of preparing fire breaks is to plow a strip instead of the parallel furrows, but this method is often hard to follow and is no more effective than the burned out area. All large woodlands should be broken into blocks of not more than 40 acres by the use of fire breaks, according to Blanchard.

He also suggests tools for fighting fires. These include an axe, long handled shovel, hoe, and a fire rake and a swatter. A potato rake and pinetops can be used in place of the last two tools.

"Fire lines will not stop all fires, but one or two men working in a well established fire line can do as much to control fire as 20 men who have to build the fire break ahead of the fire," Blanchard says.

Apply Needed Lime But Not Too Much

"Get all the lime you need, but need all you use," is a slogan adopted for North Carolina farmers by the agronomy specialists of the Extension Service at State College.

In the "Agronomy Suggestions For February" there are three drawings which show why lime is applied to acid soils, how the proper amount of

lime benefits the plant, and how too much lime may cause crop losses.

Where lime is not applied on acid soils, iron and aluminum go into solution and they keep the plant from getting sufficient phosphate, the agronomists explain.

Where the proper amount of lime is added to a soil, soil acids are neutralized, and calcium and magnesium are supplied the plant. Also, phosphate applied in fertilizers can be fully used by the plant.

Where too much lime is added, diseases may become worse and some plants may die. Also, such plant foods as manganese, boron and iron cannot be used by the plant.

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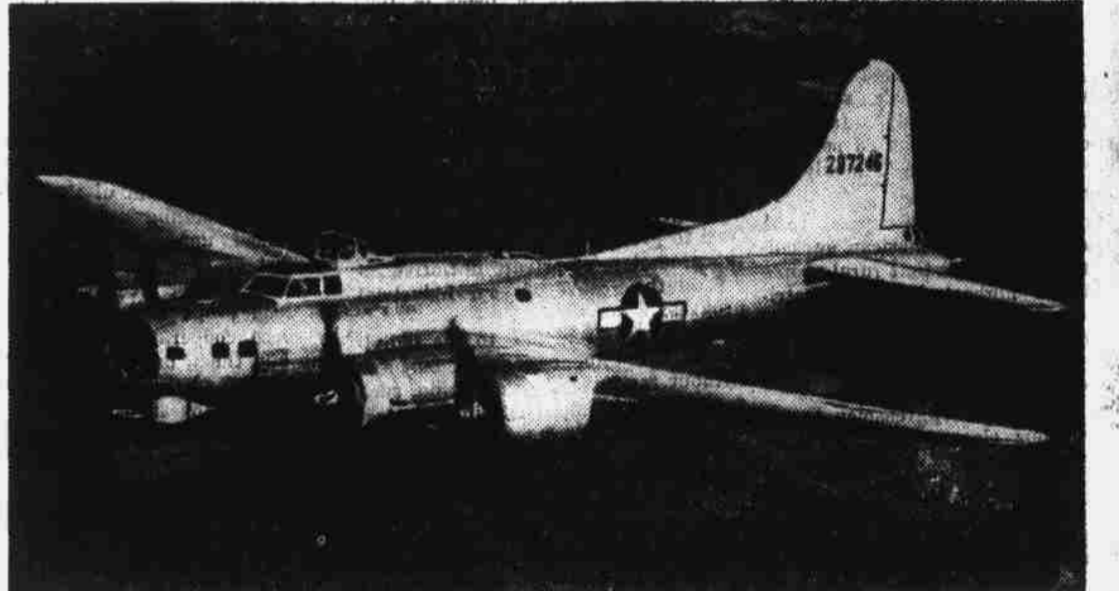
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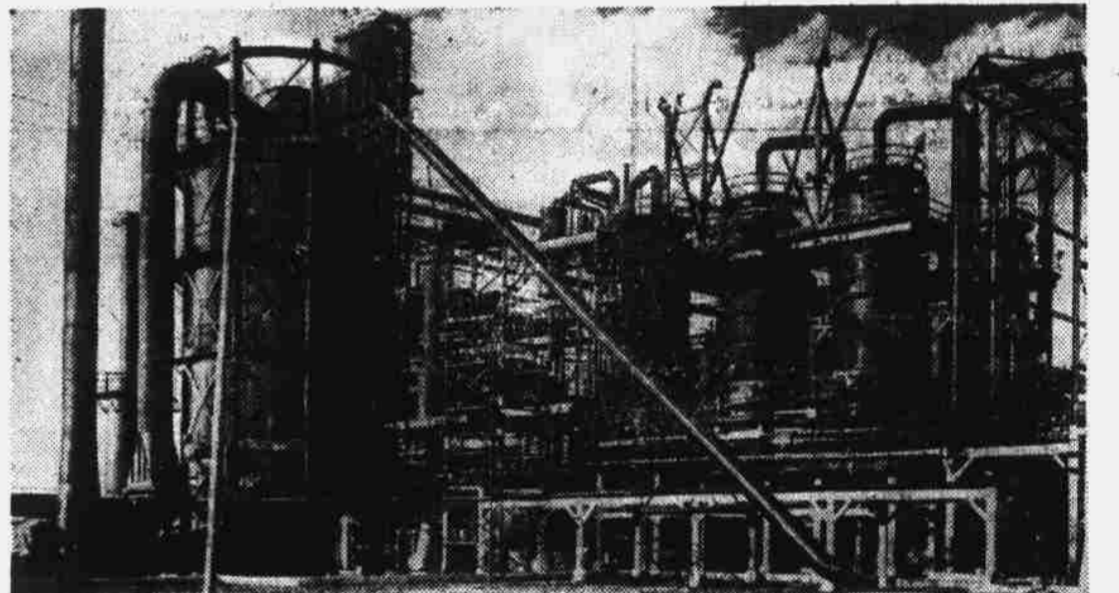
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