

Cottonseed Meal Declared Not Poisonous To Cattle

It is the lack of a nutritive essential, Vitamin A, rather than any poisonous substance which cottonseed meal may contain that produces the condition usually referred to as cottonseed meal poisoning.

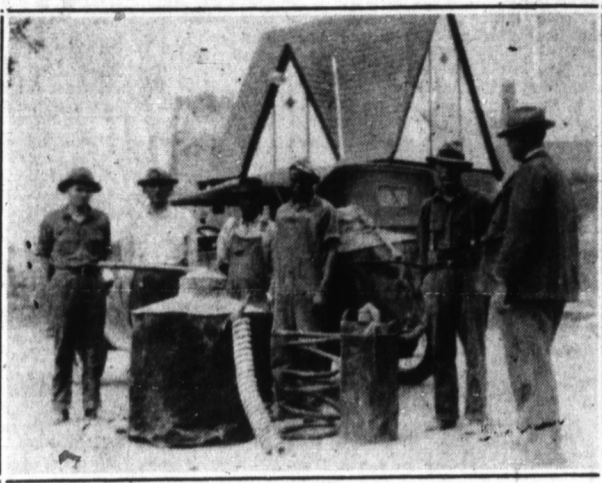
This is the opinion of Dr. J. O. Halverson, nutrition chemist of the North Carolina Experiment Station, after feeding tests with ten cows extending over 339 days. The cows had a grain ration of varying amounts of cottonseed meal and white corn, both deficient in vitamin A, and a roughage ration of beet pulp, cottonseed hulls and alfalfa hay. During the time the test was under way, the cows dropped 14 calves and produced good qualities of milk. The calves were all normal though one nursing a dam which was fed cottonseed meal as the sole concentrate, developed blindness and spasms ending in death. The mother cow had swollen legs.

As a result of the studies made by Dr. Halverson, he concludes that the more cottonseed meal fed, the more leafy hay is required in the ration. Roughages such as alfalfa hay contain more of the vitamin A in which cottonseed meal, white corn and hulls are deficient. Pasture and grasses contain a considerable amount of vitamin A and this supplements the deficiency in the meal.

In order to feed cottonseed meal successfully, concludes Dr. Halverson, an excellent leafy roughage in liberal quantity is necessary. More meal than is now fed may be used with milking cows if the roughage is of the right quality and is fed in sufficient amount. In addition to alfalfa hay, other leafy legume roughages such as soybean hay, cowpea hay and the clovers are excellent. Corn silage and corn stover are fair. Cottonseed hulls and beet pulp do not contain those substances which supplement the deficiency of cottonseed meal and should be used in limited amounts with the leafy roughages, he says.

Korean and Kobe lespezea, grown by seven farmers in Iredell County, has been inspected for certification by the North Carolina Crop Improvement Association.

LIQUOR PLANT CAPTURED RECENTLY



Above are pictures two of the latest type liquor stills captured by Federal Prohibition agents. Those in the picture are (standing left to right): C. S. Coats, J. H. Mitchell, Jesse Lee and Lloyd Lee, negroes taken at the still; J. H. Roebuck and J. H. Hall.

Foy Edwards Injured In Auto Accident Yesterday

Foy Edwards, tobacco buyer on the local market last year, was badly hurt but not seriously in an automobile accident at Lumberton yesterday. According to information received here, Mr. Edwards' car struck another that was parked on the Lumberton streets. He was removed to a hospital there.

Results of experiments in the use of commercial fertilizers in growing cotton are given in agronomy information circular 53 recently issued by the department of agronomy at State College.

Eleven Edgecombe farmers sold 133 hogs on the Richmond market for a net return of \$2,337.30 last week.

Where no lespezea was turned under, J. T. Yarboro of Person county made 228 bushels of corn; where lespezea was turned after one year of growth, the yield of corn was 32.5 bushels; but where the lespezea was allowed to grow two years before turning the yield of corn was 47.1 bushels an acre.

Good Market Reported For Black Walnuts

Both the hulled and the black walnut kernels or meats are in demand by grocers, confectionery shops, or candy plants and the sale of the walnuts may be made a regular farm income.

"There are many farms in North Carolina having black walnut trees producing nuts of exceptional value each year," declares R. W. Graeber, extension forester at State College. "Last year was a poor walnut year in most sections of the State and it is possible that the drought has interfered with the crop this season; however, the crop prospect is worth immediate investigation. Good black walnuts are always in demand and there are local markets available in nearly every town in the State."

In preparing the nuts for market, they should be gathered as soon as they fall, the hulls removed and the nuts spread out to dry, says Mr. Graeber. This keeps the kernels bright-colored and sweet. An old corn sheller may be used to remove the hulls rapidly and easily, if done while the hulls are still green. Scrubbing in an old churn or similar receptacle will polish the shells and make the nuts more attractive to the eye.

Mr. Graeber says that many farmers of his acquaintance have developed a good trade direct with the consumer through the curb markets. Others sell by parcel post and still others sell directly to the candy stores. If any farmer should have difficulty in finding a local market, Mr. Graeber offers to send him information about outside markets.

"Inside" Information

Don't iron white silk with a very hot iron. All silk scorches easily, and too great heat turns white silk yellow. Use a warm iron on the wrong side of the silk and protect it with cheesecloth.

Iron rust stains on white materials often respond to lemon juice. Spread the stained place over a vessel of actively boiling water and then squeeze lemon juice on the stain. After a few minutes, rinse the fabric and repeat.

To make grape juice sherbet, sweeten the juice to taste with sirup rather than plain sugar, after adding one table spoon of lemon juice for each quart of grape juice. Turn in the freezer until stiff. Add a beaten egg white after the mixture is frozen, give the dasher a few more turns, remove, pack.

Careless Disposal of Offal Causes Parasites to Spread

Careless disposal of offal from livestock slaughtered on the farm is one of the ways in which parasites are spread, according to the Bureau of Animal Industry, U. S. Department of Agriculture, which says that offal should be tanked or treated in such a way as to kill all parasitic material. Offal is often thrown out and allowed to decompose in an offensive manner. Dogs eat this material, and as parts of carcasses infested with tapeworm cysts are rejected as offal, the dogs become infested with tapeworms which they in turn carry to live stock and infest them with the bladderworms. Among the tapeworms spread in this way is the deadly hydatid which forms a cyst the size of an orange, or larger, in cattle, sheep, and swine, and in man. Offal is also a prolific source of blowflies which breed in it in great numbers.

After culling 395 inferior specimens from nine poultry flocks of Burke county, the remaining 1,671 hens were bloodtested for producing hatching eggs this winter.

Thirteen Gaston County farmers visited the Coker Farms near Hartsville in South Carolina to study the varieties of cotton being grown. The visitors were looking for a variety suitable for Gaston farms.

A Stanly County farmer reports an income of \$38 to \$40 a month from cream produced by five cows. This man has not been feeding grain but is relying on his grass and legume pastures.

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Edgecombe Farmers Buy Machine on Coop Plan

A serious hindrance to the growing of small grain generally over Eastern Carolina has been the small acreage apportioned on each farm making it impracticable for one man to own a binder and thresher.

"Five farmers of Conetoe in Edgecombe county have solved this problem very satisfactorily," says A. T. Holman, agricultural engineer at State College. "Each of these men wanted to grow from 15 to 40 acres of winter grains and so they decided to buy a good threshing machine cooperatively. Each man paid one-fifth of the cost and each one uses the machine to thresh all of his grain. There is no limit to the acreage one man may thresh. The machine is kept in repair by the individual on whose farm it is located when the repairs are needed."

The oat crop of the five owners is used generally for feed and seed while the wheat is ground into flour for home use. There has never been any difficulty in using the thresher. There is no contract and there are no officers. A gentleman's agreement governs the five members and the plan has made the live-at-home movement easy and practical on these farms. Mr. Holman says this little group represents the highest type of cooperation and shows what can be done working together for production as well as marketing.

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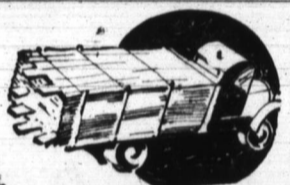
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WILLIAM GREEN EXPLAINS COOP ORGANIZATION

(Continued from page one) others which I have not taken time to catalog, there is little justification for farmers taking the attitude that these associations will follow in the footsteps of the old Tri-State. The present associations should be all the stronger because experienced with the old Tri-State Association have taught the farmers of North Carolina true cooperative principles which will insure the success of wisely planned and sanely operated organizations.

"W. S. GREEN," Field representative, Federal Farm Board.

Checks amounting to \$2,922.23 were received by eleven Cumberland farmers who sold 150 fat hogs on the Richmond market in September.



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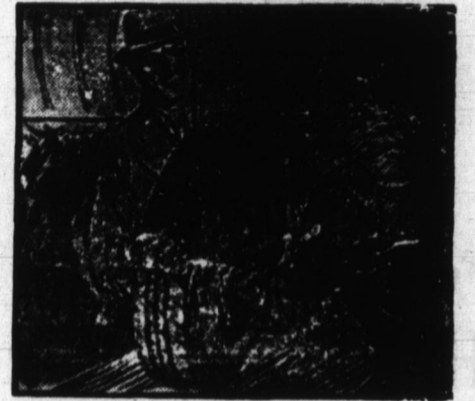
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All other stocks and bonds	12,100.00
Banking houses, furniture & fixtures	104,830.82
Cash and due from banks	820,047.30

Total \$ 5,358,217.05

LIABILITIES:

Capital Stock	\$ 250,000.00
Surplus	250,000.00
Undivided profits	209,400.92
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