

# -:- A Page For Haywood Farmers -:-

## Timely Questions And Answers On Farm Problems

Question: When should lespedeza be sown on small grain and how much seed should be used to the acre?

Answer: All lespedeza should be sown on small grain in February or March but the time of germination of different varieties must determine the exact date of planting. The Korean variety germinates in about two weeks and all other varieties between four and five weeks. Planting should be made so as to avoid freezing the young plants. One bushel or 25 pounds of seed will plant an acre in broadcast. The seed should be lightly covered.

Question: Should poultry used for breeding purposes be confined or allowed free range?

Answer: Ranging birds are healthier and have more vitality and the breeding flock should be allowed to range at will unless the weather is raw and blustery. The eggs from a flock ranging under normal conditions will produce chicks that are able to throw off disease and grow into heavy producing adults.

Question: How can we secure the agricultural publications issued at State College?

Answer: A post card to the Agricultural Editor, State College Station, Raleigh, N. C. stating the number or title of publication desired will bring a prompt reply. Be sure, however, to sign your name and give your full address. Many requests for bulletins do not have this information.

## Certified Farm Seeds Give Far Better Yield

Whether or not it pays to use improved seeds of farm crops can be seen from the results of a recent survey reported by Dr. G. K. Middleton, seed specialist at State College, who says the differences in favor of good seeds are especially striking if the crops concerned are affected regularly by losses from disease.

"We have found that increased acre yields due to the use of certified seed will average about 20.6 percent for corn, 23.5 percent for wheat, 23.3 percent for oats, 30 percent for barley, and as high as 74 percent for Irish potatoes," says Dr. Middleton. "The results secured in recent years by the Experiment Station bears out these figures remarkably well from the purely scientific viewpoint. For instance, the new strain of Porto Rico sweet potato developed by Robert Schmidt has given increase of 61 bushels of No. 1 stock over seed potatoes supplied by three different growers. Last year more than 1600 growers tried out this new strain and they secured under field conditions an increased yield of 18.5 percent over the potatoes they had been using."

Dr. Middleton reports the same good results with cotton. Sixteen tests were conducted in 11 counties over a period of five years and the results from using pure seed of one variety gave an average acre yield of 555 pounds an acre of lint cotton as compared with only 478 pounds of lint per acre from seed which had not been kept pure. This is an increase of 16 percent.

When these tests with cotton have been carried to the field by the average grower, the result has been about the same. Demonstrations conducted in Pitt and Anson counties showed average yields of 593 pounds of lint an acre for improved seeds as compared with 516 pounds for ordinary seeds.

Professor: "I would like a preparation of phenylisocyanate."

Drug Clerk: "Do you mean mustard oil?"

Professor: "Yes. I can never think of the name."

## NOTICE OF SUMMONS AND WARRANT OF ATTACHMENT

NORTH CAROLINA. HAYWOOD COUNTY. IN THE SUPERIOR COURT. HAYWOOD SUPPLY COMPANY, a Corporation, v. J. F. PLESS.

The defendant above named will take notice that a summons in the above action entitled was issued against the defendant on the 16th day of January, 1933, by W. G. Byers, Clerk of the Superior Court of Haywood County for the sum of \$350.00, with interest, due the said Plaintiff, which arose on a contract and was reduced to judgment and certain money paid into the Court under the decrees of said Court, for lands sold, on which said judgment was a lien; the said defendant will also take notice that a Warrant of Attachment was issued by said Clerk of the Superior Court against the property of the defendant, which Attachment is duly returned before said Clerk, at the time and place mentioned for the Summons to be returned, which is at 10:00 o'clock A. M. on the 18th day of February, 1933, when and where the defendant is required to appear and answer or demur to the complaint or the relief demanded will be granted. This the 16th day of January, 1933. W. G. BYERS, Clerk of the Superior Court. Jan. 19-26-Feb. 2-9-No. 5.

## More Cottonseed Meal Should Be Used In Feed

### Profit Of More Than \$300,000 Would Be Realized In State.

If cottonseed meal formed only a minor part of the food ration fed to the hogs of North Carolina, there would be an additional profit of over \$300,000 to the State to say nothing of the fertilizing material left on the land in the form of manure.

"During the year 1931, we had 96,794 sows of breeding age on the farms of this state and if we assume that each of these animals farrowed and raised ten pigs in 1932, then there would be 967,940 hogs for slaughter or sale during that year," says Earl H. Hostetler, animal husbandman at State College. "If these hogs were fed according to facts which we have determined at the Experiment station, which includes using cottonseed meal as a part of the protein supplement, the farmers of the State would have received \$300,061.40 more profit than if animal protein alone was used."

Mr. Hostetler figures that the use of cottonseed meal as a partial feed for hogs would not only give this good profit and save the need to spend money for that much fish meal or tankage but he says further the use of this cottonseed meal would have left 1,631,560 pounds of nitrogen, 790,922 pounds of phosphoric acid and 487,842 pounds of potash for plant food in the form of manure on the land.

The feeding of cottonseed meal to dairy cattle is rather well understood in the State and feeders are careful not to add too much of the meal to the ration. The station workers have known for 40 years that the meal had a toxic effect. Swine are more susceptible to this trouble than are cattle and sheep yet hogs may be fed the meal safely. The resulting gains are made rapidly and at greater profit than when animal proteins alone are used. Methods of mixing such rations may be obtained from Mr. Hostetler.

## MOTHER EARTH

The sun arose and wiped the glistening tears from sobbing earth; He drove away the dead of night and brought new birth; He gave the cherry tree a dress of green and white; The apple tree a cheerful pink it was a pretty sight.

And then he takes his patient brush and dips it in the blue; In silver now, he sweeps the clouds a clearer, brighter hue.

Oh, Mother Earth, I wonder at thy age, For as quickly as a story's told, thou turns another page; Thy thrilling song of peace and love is never sung; Sometimes I think in glad delight, thou must be growing young. LORENA ROGERS.

Roger Johnson, 4-H club member from Lenoir County, has been announced as champion 4-H tobacco grower for the year 1932 by L. R. Harrill, state club leader.

On account of the enormous demand for the 1933 CARDUI CALENDAR, your druggist's supply may have been exhausted before you obtained one. If so, we will gladly mail you a copy on receipt of 10 CENTS in stamps or coin. Address: CARDUI WALL CALENDAR, Chattanooga, Tenn. Ladies Birthday Almanac will be sent free, if you ask for it when ordering Calendar.

## Save Farm Manure To Improve Soil, Says Mr. L. I. Case

### Expert Says To Keep Livestock And Eliminate Commercial Fertilizers.

Some of the Expense incurred in using large amounts of commercial fertilizers in North Carolina might be eliminated by the keeping of more livestock and the saving of all animal manures.

"When it is realized that this State uses from 500,000 to 1,250,000 tons of commercial fertilizers annually, the need for combining more feed crops and livestock with the usual cash crops becomes glaringly apparent," says L. I. Case, animal husbandman at State College. "Some of our good livestock growers go so far as to advocate buying feedstuffs to feed livestock to that more manure may be made available. When we consider that the material purchased is largely in the form of cottonseed meal and tankage which are rich in protein this suggestion is well worth consideration. A high percentage of the fertilizing constituents of such feeds is recovered in the manure after they have passed through the animals."

To make more manure, Mr. Case suggests using large amounts of dry bedding. Grain straw and corn stover are probably the best. The material rots rather easily and the pith of the corn stover absorbs much of the liquid manure which is the most valuable part. However, the ordinary pine straw is good—better if it is applied in the dry state. So much of the pine straw used is gathered when wet and applied to the stalls of feed lots saturated with moisture. It is therefore unable to take up the valuable liquid manure.

Under any conditions, Mr. Case urges more attention to handling the manure so that its valuable fertilizing elements may not be lost. In the more expensive feed lots, the floors are all paved. Under other conditions, a concrete manure pit is provided and still others farmers haul the manure regularly to the fields before the plant food is lost by leaching and washing.

A group of Orange County farmers have raised enough funds to buy a Percheron stallion. One farmer has bought a pure bred mare.

At Wimbledon, Eng., an owl attacked Sidney E. Sugden and flew away with his spectacles.

## Cows Need Large Amount Of Water Daily, Says Expert

### Average Cow Consumes About 77 Pounds Of Water Daily.

The digestive system of the cow is so arranged that large quantities of water are needed for its proper working. Records show that the average cow will consume about 77 pounds of water each day.

"Many of the ills of the dairy cow may be ascribed to a lack of pure water," says Dr. C. D. Grinnell, in charge of dairy investigation for the North Carolina Experiment Station. "This type of animal consumes large quantities of dry roughages and grains and because the cow uses coarse feeds made up of plants with hard, tough cell walls, nature has endowed her with an interesting but complicated stomach digestion. She needs considerable water to bring about the proper workings of this system. A large cow will secrete about 60 quarts of saliva every twenty-four hours."

Water is also essential for rumination or "cud-chewing" and many times the so-called lost cud is due to a lack of this fluid. This stopping of rumination is not a disease in itself but is a symptom of a number of diseases, Dr. Grinnell says. When the cause of the trouble is removed, the cud will return.

Dr. Grinnell points out that cud-chewing is an essential part of the digestive activities of the cow. When she eats, the food is only slightly macerated then the food goes to the stomach or paunch where it undergoes a soaking, softening or fermentation process, after which it is transferred to the honeycomb. This process takes a heavy secretion of saliva and a large amount of water. It takes considerable fluid to soften and ferment all the hay, grass or grain that may be packed in the first stomach or rumen with a capacity of 20 to 25 gallons. In the second stomach or honeycomb new cuds are constantly formed, says the investigator.

A certain famous motor car manufacturer advertised that he had put a car together in seven minutes. The next morning he was called on the phone and asked if it were so.

"Yes," was the reply, "Why?"

"Oh, nothing. But I believe, I've got the car."

The semo-master had been giving his class a lesson in physical geography, and had explained that the world is made up of land and water. Then in order to see if they had been giving attention he asked:

"Now, boys, can you tell me what it is land and water make?"

For some time there was silence but soon a little boy put up his hand and when asked to give the answer, he replied: "Mud sir."

The Strange Words of the Savior On the Cross Explained. A Distinguished Biblical Scientist Gives a New Translation in a Surprising and Instructive Article in The American Weekly, the Magazine Distributed with Next Sunday's BALTIMORE AMERICAN. On sale at any newsstand.

Rainbow trout from his own fishpond are being enjoyed by A. B. Hobson of the Boonville community in Yadkin County.



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