

### Exercise Much Care In Feeding Salt To Livestock On Farm

### Grain Mixtures For Cows Should Contain About One Percent Salt

Feeding minerals to livestock, without due consideration of the animals' needs, often does more harm than good.

Animals do need minerals, however, said R. H. Ruffner, head of the animal husbandry department at State College, and one of the most important is salt.

He recommended that grain mixtures fed dairy cows should contain one per cent salt, but no more. Salt blocks or salt in a box should also be kept before the animals, so they can lick up any salt they need in addition to that in their feed.

Next in importance are phosphorus and calcium. But if the feed crops are grown on land well fertilized with superphosphate or other phosphorus fertilizer, and well supplied with lime, the feed will contain enough of these minerals to supply the animals' needs.

When there seems to be a need for phosphorus in the ration, it can be supplied in steamed bone meal by adding a pound of meal to every 100 pounds of grain.

Calcium may be added to the ration at the same rate in the form of ground limestone, ground oyster shells or clam shells, or wood ashes. Wood ashes contain only about two-thirds as much calcium as ground limestone. Never feed un-slacked or water-slacked lime.

There are ten to 15 other mineral elements necessary for dairy cows, but most of these are furnished in adequate amounts in the average ration made up of feeds grown in North Carolina, Ruffner pointed out.

To attempt to supply minerals other than salt, phosphorus and calcium is expensive and sometimes dangerous, he warned.

### Scholarship Offered 4-H Club Members

A one-year scholarship to State College will be awarded by the National Cottonseed Products Association to the North Carolina 4-H club member who grows and exhibits the best dairy calf at the State Fair this fall.

The scholarship, designed to stimulate interest in dairy calf club work and in the value of feeding a balanced ration, will be open to any bona fide 4-H club member from 10 to 20 years of age, said L. R. Harrill, 4-H club leader at the college.

Since the association feels that boys who own their calves will take a greater interest in calf-club work, it requires that all competitors for the scholarship must exhibit their own calves at the fair.

The condition of the animal, the club member's record, and the club member's activity during the year will all be taken into consideration in determining the winner, Harrill said.

The winner must be eligible to enter college, and his application for entrance to college must be accepted prior to the opening of the college term the next fall.

Selection of the winner and the awarding of the scholarship will be made under the supervision of the 4-H club department of the Agricultural Extension Service at State College.

The scholarship will be good for a course in dairying, as the association wishes it to go to a club member who will continue his work in that field.

Those interested in competing for this or other scholarships now offered for excellence in club work are asked to get in touch with their county agents or L. R. Harrill, of State College, Raleigh.

### Poultry Feed, Egg Prices Advancing

The expected rise in poultry feed prices will increase the necessity for good flock management, according to Roy S. Dearstyne, head of the State College poultry department.

He urges poultrymen to check over their plants to see whether they are overcrowding their laying houses. There should be 4 square feet of floor space for each bird.

"If you have more birds than you can house adequately," he said, "cull out the inferior ones and sell them at once, as overcrowding will devitalize the chickens, check egg production, and may lead to disease."

"Be sure to have enough nests, feeders, and waterers to keep the flock well supplied, as this will help egg production at a high level."

"You cannot afford to give expensive feed to birds that are not paying their own way. Cull out those which are questionable."

"Don't try to save money with cheap substitutes or by cutting down on the amount of the ration. This will cut down egg production and impair the health of the birds."

"Remember, egg prices will probably go up, and you want to produce as many as you can."

"It is feed that makes the eggs

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### COTTON INJURED WHEN GINNED IN DAMP CONDITION

### Poor Policy To Raise Good Crop, Then Damage It In Gin Process

It's a poor policy to raise good cotton, then damage it in the ginning process.

Yet that's what thousands of farmers do every fall, said Glenn R. Smith, cotton marketing specialist of the N. C. Agricultural Experiment Station.

It's not the fault of the ginners, he added, but of the farmers' who take their cotton to the gin in a damp condition.

When cotton is picked too early, or while wet with dew or rain, it should be dried out before being placed in storage or taken to the gin, Smith stated.

When damp cotton is ginned, the lint is injured and the quality of the cotton is lowered. If you can not feed them properly, dispose of them at once. You can't make money with a half-fed poultry flock! Dearstyne also urges poultrymen to develop their egg markets, particularly local markets.

By grading their eggs carefully, he pointed out, they can build up a reputation and secure premium prices for their best eggs.

saw teeth cut and tear the lint, greatly reducing it in quality and grade.

If cotton must be picked while green or damp, he continued, it should be spread out in the sun to dry. If the weather should be so cloudy and damp that this is not possible, the cotton should be dried indoors.

Smith also warned that long staple cotton should not be fed to the gins at too fast a rate. If necessary, the feeder drive should be slowed down.

Both the air blast and the brush gins do better work when the cotton is fed slow enough for the seed roll to be loose.

Setting the seed boards wide open also helps, as this permits a rapid discharge of seed and thus tends to keep the seed roll loose.

North Carolina cotton mills consume about twice as much lint as is produced in the State, he added. This gives the farmers a good potential market at home, but to sell in it they must produce good uniform staple.

### Tells What Keeps Rain From Falling

The heavenly set-up this summer has been all wrong for adequate rainfall between the Rocky and Appalachian Mountains, according to C. L. Mitchell, forecaster for the Washington, D. C. district of the

Weather Bureau. From the first of June till the latter part of July the air streams that make weather persistently followed abnormal paths. Unchecked by polar air, a great current of tropical air went round and round in a vast irregular circle—up the western part of the Great Plains and the Rocky Mountains and plateau regions across southern Canada, down the eastern part of the central valley region, and back across the continent.

There was no lack of moisture aloft, Mr. Mitchell says, but the machinery for squeezing it out was lacking. Nature produces rain by bringing together two air masses—a cold mass and a warm, moist mass. When the two opposing masses meet the warm air is forced up over the cold, denser air. The warm air is soon cooled to a point at which it can no longer hold its moisture.

To keep the United States cool and moist, cold air masses ("high") must either come down from Canada or they must come in from the north Pacific Ocean. This year the "high" have been in the south and the "lows" in the north—a situation that makes normal summer weather impossible.

Mr. Mitchell ascribes the summer's unusually high temperatures, in a large measure at least, to the failure of "high" from the north Pacific to move often enough inland over Washington and Oregon and thence eastward over Montana, Wyoming, and the Dakotas. These polar air masses from the Pacific effectively interrupt the northward movement of tropical air over the western half of the United States, and, if they occur at least every six days, prevent the development of a heat wave over northern areas west

### Preparing Tobacco Fields for Clover

All stalks should be cut and the land or ridges levelled with a disc harrow in preparing soil for seeding crimson clover on a tobacco field. Be sure that the soil is inoculated, bacteria should be supplied before the crop is seeded. This may be done by mixing the seed with from two to three hundred pounds of soil from a field known to be inoculated or by the use of a good commercial culture. If the commercial culture is used follow the directions carefully. Where soil from another field is used the seed should be sown with a grain drill.

PROGRAM FOR WEEK BEGINNING MONDAY, SEPT. 7

**Turnage Theatre --- Washington, N. C.**

Monday and Tuesday "THE GREEN PASTURES" By MARC CONNELLY — See It from the Beginning — 1:30, 3:30, 5:30, 7:30, 9:30	Thursday and Friday September 10-11 "GIRLS' DORMITORY" RUTH CHATTERTON, HERBERT MARSHAL
Wednesday "THE UNGUARDED HOUR" with LORETTA YOUNG - FRANCHOT TONE	Saturday September 12 "TREACHY RIDES AGAIN" with AN ALL-STAR CAST

ALSO SELECTED SHORT SUBJECTS

## Our First Annual HARVEST SALE!

### Will Begin Saturday, Sept. 5

## Ladies' Dresses 98c to \$1.98

<b>9-4 SHEETING</b> Regular 39c Value — On Sale for— <b>25c</b>	<b>5,000 Yards</b> Pepperell Prints <b>19c</b>	<b>Curtains—Ready-Made</b> <b>59c pair</b>
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<b>Good Quality Prints</b> Regular 15c Value — Special <b>10c</b> LOCANIA FAST COLOR PRINTS Regular 19c Value for <b>15c</b> CRETONNE 36 Inches Wide — Usual 15c Value for <b>10c</b> DURING HARVEST SALE A VERY LARGE STOCK MEN'S FELT HATS <b>98c - \$1.98 - \$2.98</b>	<b>Children's Dresses</b> <b>59c to 79c</b> Large Stock Overalls FOR MEN AND BOYS Best Quality <b>49c to \$1.25</b> MEN'S AND BOYS' WORK SHIRTS <b>49c to 75c</b> New Line of Fall BUTTONS Any Color or Style Children's Work and School SHOES All leather and look extra good for the money— <b>98c to \$1.25</b>	<b>Ladies UNDERWEAR</b> Slips . . . . 39c to \$1.95 Bloomers . . 10c to 59c <b>LADIES' HOSE</b> All colors, shades and styles —Special during sale for— <b>19c to 79c</b> <b>BROADCLOTH</b> All Colors. Regular 19 Value <b>14c</b> <b>LADIES' GOWNS</b> <b>39c to 98c</b> <b>CURTAIN GOODS</b> Very Special During Harvest Sale for <b>9c and 10c</b>	<b>Men's WORK SHOES</b> A Big and Assorted Line To Select From <b>\$1.50 to \$1.98</b> <b>Men's Dress Slippers</b> On Sale for <b>\$2.98</b> <b>TABLE OILCLOTH</b> Regular 30c Value for <b>23c</b> <b>All Kinds Crockery</b> 9-inch Dinned Plates 10c Cups and Saucers 10c Ice Tea Glasses 5c All Kinds ENAMELWARE <b>MEN'S OXFORDS</b> <b>\$1.98 to \$2.98</b>
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<b>39c SHEETING</b> During This Sale We Will Offer This Sheeting <b>For 9c Yard</b>	<b>6 by 9 CONGOLEUM RUGS</b> Very special during Harvest Sale. First quality— <b>\$3.98</b>	<b>9 by 12 CONGOLEUM RUGS</b> Fine Quality — A Genuine Bargain for These Rugs Usually Sell for \$7 <b>\$4.98</b>
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Miss Isoline Gardner, of Norfolk, has accepted a position with us and will be here this week to work with us regularly. Miss Gardner has had 7 years' experience in some of Norfolk's largest department stores and she will be glad to assist you in selecting your fall and winter wearing apparel.

# ANN'S VARIETY STORE

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TO THE FIRST 12 WOMEN ENTERING OUR STORE

## Saturday, Sept. 5th

We will give, absolutely FREE, a jar of Johnson's SHI-NUP HOUSEHOLD CLEANER. To the next 12 entering our store, we will give a bottle of Johnson's Furniture Polish.

Paint your home both inside and out this fall. We sell Sherwin-Williams, the world's best paint.

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