

FEEDING FOR EGG PRODUCTION.

A hen laying 200 eggs in a year is not at all unusual. A four-pound hen laying this number will produce six times her weight in eggs. To do this she will require from seventy to eighty pounds of feed. For economical production it is necessary (1) that the food be properly selected (2) that it be fed in correct proportion and in a judicious manner in order that her digestive organs may be kept in good condition, (3) that she be fed enough so that she has plenty of surplus for egg production.

The problems of poultry feeding require good judgment and keen observation. Hens fed for egg production should have feeds high in the food elements which are found in eggs. Those fed in the fattening pens should have the foods which most economically produce fat. The best ration, then, is the one which supplies most economically the food requirements of the bird for the purpose for which it is kept.

It should be remembered that one of the principles of poultry feeding is that the hen cannot do well if fed on a whole grain ration. Not only does a ration of grain fail to furnish the proper food nutrients, but such a ration is difficult for the bird to digest properly. The great fault with the farmer in his poultry feeding is that he attempts to feed a whole grain ration, and generally only one grain at that. Such a ration results in poor egg-production and also causes digestive disorders and liver and kidney troubles. Complaints of this kind frequently come to the department of poultry husbandry and a suggested change in the ration has usually resulted in the elimination of the trouble. Efficient digestion demands a combination of whole and ground gains. A ration should consist of grains and ground feeds. Generally speaking, twice as much grain should be consumed as ground feed. This depends, of course, upon the nature of the feeds fed.

A good ration for egg production can be made with a combination of grains and ground feeds. For grains, equal parts by weight of wheat and corn, or in the winter time twice as much corn as wheat, may be used. For ground feed, a mixture of equal parts of bran, shorts, and corn meal may be used. Efficient egg production requires also that this ration be supplemented with either sour milk—all that the birds will drink—or in case sour milk is not available, commercial beef crop. One-fourth of the ground feed should consist of beef scrap in case this is used.

The importance of keeping grit and oyster shell before the birds at all times cannot be over-estimated and is especially important during the winter months.—H. L. Kempster, Missouri College of Agriculture.

Storing Implements.

So much has been said about housing implements that we are approaching a mention of this matter with some misgivings. We know that there are many farmers who do not like to have one call their attention to such matters. They know better, but in this case they do not do as well as they know. There is a feeling among many farmers that it costs money to build buildings for housing the implements. They, somehow, cannot see that it pays to prolong the life of high-priced machinery. Leaving it out in the weather does not in any way prolong its life. Exposure wears out machinery and it is this that many are not able to see.

Machinery that is kept well painted and kept under shelter that protects it from wet and the sun, the bright parts being protected by some sort of material that is impervious to water, will not only last a good deal longer, but it will require a good deal less repairing to keep it in good running order.

We are not pleading with any farmer to spend a fortune in building a place for housing his machinery; we are only suggesting that it pays to take care of the machines in the best way one can and not carelessly expose them to all sorts of weather, shortening their lives and decreasing their efficiency. Not only should they be stored under cover, but a memorandum should be made of their condition which will show such repairs as are needed. This should be done when the machines are put away, while they are fresh in the memory of the operator. What is better, would be to make such repairs before putting them away. It is an easy task to note weak places in any machine when it is put away.

No man will pay \$25 for a gold watch and leave it out in the elements every night and carry it through the day time. Why? Simply because it cost \$25, and leaving it out will injure it. Yet he will pay \$45 for another implement and when not in use will leave it out in the elements. Why this partiality? Neither will he pay that amount for a suit of

clothes and hang it out in the rain. Why? For the same reason. Let us look at this implement question carefully and do our best to take care of them as valuable property.—Indiana Farmer.

What for 1918.

Indications are that Indiana will more than meet the quota set for her by the Government in sowing over 2,800,000 acres of wheat and 294,000 acres of rye this fall. When the apportionment was made to Indiana the Indiana Committee on Food Production and Conservation sent to the various counties of the state a statement showing the acreage that would be necessary in each county to meet the requirements.

Reports now coming into the office of the secretary of the committee show up very encouragingly, according to G. I. Christie, Secretary. Some of the counties report 25 to 50 per cent increase and others that they will meet the quota. Owing to the conditions of many corn fields some wheat will not be sown in various localities that had expected to do so.

The wheat and rye campaign has been very successful throughout the state and now more co-operation is looked for in the seed corn campaign. The adjoining states are in line and the whole Mississippi Valley is going to give the world more to eat next year than ever before.

In Circular 75, United States Department of Agriculture, which recommends the sowing of 47,337,000 acres to winter wheat and 5,131,000 acres to rye this fall, is given the following statement regarding the estimated requirements of the United States and the allied and neutral countries of Europe for 1917-18:

To supply the estimated needs of the United States, of the allies, and in part of the neutral countries of Europe next year, it would be necessary to plant in the United States for 1918 about 48.7 million acres of winter wheat, 19 million acres of spring wheat, 5.6 million acres of rye, 7.9 million acres of barley, 45.2 million acres of oats, and 111.5 million acres of corn. Compared with the 10-year average, the proposed acreages represent increases of 43 per cent for winter wheat, 5 per cent spring wheat, 29 per cent all wheat, 124 per cent rye, 7 per cent barley, 22 per cent oats, and 7 per cent corn, or a total increase of 22 per cent over the 10-year average of these cereals combined.

Compared with 1917, these acreages represent increases of 22 per cent for winter wheat, 15 per cent for fall wheat, 51 per cent for rye, and 5 per cent for oats, and decreases of 6 per cent for barley and of 8 per cent over the total 1917 acreage of these cereals combined. With the food requirements of the United States and the allied and neutral countries of Europe for next year in mind, the question of the acreage which it is advisable and practicable to plant demands serious thought.—Indiana Farmer.

No appreciable amount of acid phosphate is leached from the soil.

CAR LOAD NUT COAL EXPECTED in about a week. W. M. Sanders, Smithfield, N. C.

WANT MILL HANDS, DRIVERS, log cutters, sawyers and farm hands. Good wages. J. W. Wood, Jr., Benson, N. C.

IF YOU WANT TO SAVE FROM \$2.50 to \$5.00 in a suit of clothes, you can do it at The Austin-Stephenson Company's.

LOST—MALE BIRD DOG, BLACK all over, white on throat. Owner will pay for all trouble. J. E. Lewis, Busy Bee Cafe, Smithfield, N. C.

Why That Lame Back?

Morning lameness, sharp twinges when bending, or an all-day back-ache; each is cause enough to suspect kidney trouble. Get after the cause. Help the kidneys. We Americans go it too hard. We overdo, overeat and neglect our sleep and exercise and so we are fast becoming a nation of kidney sufferers. 72 per cent more deaths than in 1890 is the 1910 census story. Use Doan's Kidney Pills. Smithfield people recommend them.

A Smithfield Case.



C. R. Turner, chief of police, Smithfield, says: "My kidneys were in a weakened condition and at times they bothered me very much. I had pains in my back and across my loins and my kidneys acted irregularly, causing me much annoyance. Doan's Kidney Pills relieved me of all symptoms of kidney trouble and I am glad to recommend them."

Get Doan's at Any Store, 60c a Box
DOAN'S KIDNEY PILLS
Foster-Milburn Co., Buffalo, N. Y.

Why Boys Love Dogs.

There never was a great boy story written without a dog in it.

Boys and dogs have the same problems—the same troubles to overcome. Serious-minded people think that all boys are full of mischief, and that all dogs are unmitigated nuisances. Thus boys and dogs have much in common, and one of their chief occupations is keeping out of the way of people who don't like them.

It is too bad that Booth Tarkington's "Penrod Schofield" arrived so long after Mark Twain's "Tom Sawyer." Tom and Penrod would have been great chums. Then throw in "Huck Finn" for good measure and the picture is complete.

The Penrod stories in Cosmopolitan are touching the high water mark of boy literature, and Penrod's dog "Duke" is a sure enough boy's dog with about as much pedigree as a field mouse.

In November Cosmopolitan Tarkington tells how Penrod and his side partner Sam named Sam's dog Walter-John Carmichael—a sufficiently gaudy appellation for any mongrel.

Anyway, if you love boys and dogs, don't miss a single Penrod yarn.

STRAYED FROM MY LOT SATURDAY night, October 27th, one light red milk cow with horns and white spots over her. Reward for information leading to her recovery. Mrs. W. L. Brady, Smithfield, N. C.

WANTED—TEN CORDS OF OAK and ten cords of pine wood. Highest cash price paid. Edward W. Pou, Smithfield, N. C.

CAR LOAD NUT COAL EXPECTED in about a week. W. M. Sanders, Smithfield, N. C.

CAR LOAD EGG COAL EXPECTED in about a week. W. M. Sanders, Smithfield, N. C.

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The Family Lamp

A Rayo lamp floods the room with cheerful radiance; gives brightness without glare; rarely flickers or flares.

RAYO LAMPS

are easy to take care of—no bothersome filigree decorations to catch dirt and make them hard to keep clean. Artistic design makes them an ornament to any room. They are easy to re-wick. You don't remove either chimney or shade to light them.

Ask for them by name. If your dealer does not carry them write to our nearest station.

The use of Aladdin Security Oil guarantees best results from lamps, stoves and heaters.

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Rayo Lamps

Meet Your Friends at the Johnston County Fair Nov. 7, 8, 9

This is Styleplus Week from Maine to California!



Styleplus \$17 Styleplus \$21
Clothes Clothes

The same prices the nation over

The Big Buy

Always the greatest possible value at the price

WE are joining with the progressive merchants from coast to coast who are this week making a special display of Styleplus suits and overcoats.

For three years the makers have maintained Styleplus at \$17 in the face of war conditions. They bought in advance, operated on an increasingly larger scale, and thus kept costs down.

When the United States entered the war the fabric market underwent violent changes. To meet these new conditions a \$21 grade was added, thus insuring you an even wider selection in fabrics and models.

Style plus all-wool fabrics + perfect fit + expert workmanship + guaranteed wear

N. B. GRANTHAM, Smithfield, N. C.

IF YOU WANT TO MAKE MONEY buy your Shoes, Clothing and Dry Goods from Austin-Stephenson Co.

THE BEST AND LARGEST STOCK of Furniture in Smithfield is at Cotter-Underwood Co.'s, Smithfield, N. C.

FOR RIDING DUTCH PLOWS, Mowers, Cutaway Harrows, see The Austin-Stephenson Co.

NOTHING BUT THE BEST HAR-ness sold at Austin-Stephenson Co.

BE SURE TO SEE OUR NEW line of Furniture at old prices. Cotter-Underwood Co., Smithfield, N. C.

COTTER-UNDERWOOD COMPAN-y's Store is the place to buy your Dry Goods at the right price.

NOTICE.

The undersigned having qualified as Executor on the estate of W. H. Graham, deceased, hereby notifies all persons having claims against said estate to present the same to me duly verified on or before the 30th day of October, 1918, or this notice will be pleaded in bar of their recovery; and all persons indebted to said estate will make immediate payment.

W. H. UPCHURCH,
Executor.

HOUSE AND LOT FOR SALE.

Under and by virtue of the powers contained in a certain mortgage deed executed August 18th, 1913, by J. D. Dodd to E. D. Barnes and duly recorded in Book "R" No. 12, page 92, and the same being duly recorded and transferred to W. W. Cole and the conditions of said mortgage deed having been broken the undersigned will on Thursday, the 29th day of November, at 12 o'clock M., 1917, at the Court House door in Smithfield, offer for sale to the highest bidder for cash the following described lot with a house on it:

Lying on Smithfield and Wilson's Mills road on west side of said road in front of Greytown and being the lot bought of J. W. Stephenson and wife by deed dated August 7th, 1913. For further description of said lot see deed from J. W. Stephenson duly recorded, October 29th, 1913.

Lot contains about one-half acre.
E. D. BARNES, Mortgagee.
W. W. COLE, Transferee.