

POULTRY

ALL-MASH RATION GIVEN APPROVAL

All-mash poultry rations, for both growing chicks and laying hens, are suggested in the most recent bulletin on poultry procedure issued by the extension service of the Ohio state university. "The newer idea of poultry feeding favors the feeding of all the ingredients ground, mixed, and fed as a mash," says Prof. A. R. Winter, of the poultry husbandry department of the university, author of the bulletin.

"The method is simpler, more sanitary, and more economical in the use of the feed than where the ration is fed partly as scratch grain and partly as mash. Since birds prefer a granular mash to one finely ground, it is advisable not to grind the ingredients any finer than is necessary to prevent the chickens from picking over the material and taking out what they like best."

Two "starting and growing" rations, both of them all-mash, are listed in the bulletin. Three all-mash rations and one scratch grain and mash ration are suggested for laying hens.

The first starting and growing ration, a mash, consists of:

Ground yellow corn 72 pounds
Wheat middlings 20 pounds
Meat scraps (50% protein) .. 5 pounds
Poultry bone meal 2 pounds
Salt 1 pound

Skim milk instead of water is given to drink during the first eight or ten weeks. Other forms of milk may be substituted.

The first ration suggested for laying hens is:

Ground yellow corn 65 pounds
Middlings or ground wheat .. 20 pounds
Meat scraps 10 pounds
Bone meal 4 pounds
Salt 1 pound

Water is given to drink. If milk is available, the meat scraps in the ration may be reduced to five pounds.

The bulletin discusses 21 feeding materials for poultry, with reference to their constituents and the particular feeding purpose for which they are available. It is entitled "Poultry Feeding Stuffs and Rations" and may be obtained by writing to the agricultural publications department of the Ohio state university.

Toulouse Best Goose

Breed for Marketing

The best breeds of geese for market are the Toulouse which is sometimes called the Land goose because it does not seem to miss the water; the Embden geese which are white and are profitable market geese, and the African which are nearly the color of the Toulouse and are also fine, large market geese. These are smaller, however, weighing only a little more than one-half of what the others do. Whenever Canadian geese are used to cross with the three or four above mentioned breeds, this cross produces a hybrid goose which is called a mongrel goose on the market. They are considered a great delicacy and bring the highest prices of any poultry per pound. Only a few of them are raised, however, as the demand is limited.

Successful Incubation

Successful and careful incubation, in the case of either duck or chicken eggs, is one of the first and most essential steps towards a strong, healthy flock. Many early chick losses are due to improper incubation and much of the low hatchability of eggs can be traced to poor incubator management. As a consequence, care to details at this time will mean dollars and cents for the poultryman when selling or egg-laying time comes.

Goose Septicemia

There is a disease of geese and goslings known as goose septicemia which causes sudden death. This is a disease undoubtedly due to poison in the feed. No cure is yet known. Sanitary conditions will prevent the disease.

The healthy goslings should be removed to new quarters, a coarse mash should be fed and everything kept as clean as possible. With clean water and a fresh range there should be no trouble to raise them.

Raising Baby Chicks

Raising baby chicks is not such a difficult operation as some would think. Yet a few things are necessary for proper care and raising of chicks. You can raise chicks without much preparation or very much equipment, but your losses will be heavy and your profits will be little if you do not use the proper methods.

You should be prepared to receive the chicks so that when they come you will not have to delay putting them in their future home.

Dirt Floors Poor

Dirt floors are the poorest kind for the poultry house because of the great amount of labor required to keep them clean through each year. Board floors are better than dirt but are hard to clean thoroughly. Concrete floors are the most sanitary and economical. It pays to put in concrete floors in the spring or early summer so they will have time to dry out before the hens are housed for winter. The concrete floor should be 6 or 8 inches above the outside soil.

The DAIRY

FRENCH WEED IS TOUGHEST PLANT

French weed, said to be the toughest member of the mustard family, is under the dairyman's ban for the reason that it gives a garlic-like flavor to milk, cream, and finished butter when dairy cows are kept on pastures where the weed flourishes or are fed contaminated milk feeds. Only recently a shipment of tainted butter originating in Minnesota had to take a discount of \$2.75 a tub of 60 pounds when sold on an eastern market.

Dairy division men of the University of Minnesota will conduct an experiment to convict the weed scientifically and to determine just how much of it can be fed in hay to the cow without tainting her product. They will study the matter of pasture regulations that will eliminate the danger of contamination to the minimum. Finally they will try to determine what treatment, if any, can be given the milk to remove the objectionable flavor.

According to botanists, french weed, or pennycress, is an annual like wheat, of winter or spring. The severest cold does it no harm, and chemical sprays that make other members of the mustard family curl up and die do not faze it. It cannot be crowded out by farm crops for it likes to do all the crowding itself. A single pod smaller than the head of a thumb tack carries a dozen or more seeds, seeds which have such astonishing vitality that they will live for years in the soil and develop plants in dense timothy sod.

Large Road Signs Tell of County's Good Bulls

(Prepared by the United States Department of Agriculture.)
A large sign bearing the announcement, "Craig County, Pure-Bred Bulls Used Exclusively," greets visitors who enter Craig county, Virginia, by any of its highways. The United States Department of Agriculture believes these signs to be the first of their kind erected anywhere.

A few months ago Craig county farmers, co-operating with County Agent W. O. Martin and state extension specialists, succeeded in eradicating all grade and scrub bulls and in establishing the use of pure-bred bulls exclusively in cattle-breeding operations. To "tell the world" of this accomplishment conspicuous road signs have been erected at all points where roads enter the county.
In a recent letter to the department, County Agent Martin says, "Enthusiasm for pure-bred live stock is still growing and we have a vision of pure-bred sires for all animals in the near future." The fulfillment of this promising outlook would mean the extension of the pure-bred-bull accomplishment to include the exclusive use of pure-bred rams, boars, stallions, and other sires in the breeding of all farm animals in the county.

Dairy Cows Doing Well on Many Illinois Farms

As if to do their bit in the present agricultural situation, dairy cows on Illinois farms are becoming higher-geared milk producing machines, according to John H. Brock, of the University of Illinois. This is reflected in records from the state's dairy herd improvement associations in which approximately 13,000 dairy cows are being tested for milk and butterfat production every month for the benefit of some 800 dairymen.

Cows in these associations averaged 22.5 pounds of butterfat each during December, the most recent month for which complete records are available. This was a shade more than the average of the association cows in December, 1926. Likewise, the highest producing herd in December of the year just past exceeded the production of the best herd in December, 1926, by two pounds of butterfat a cow.

Dairy Facts

Silage is a valuable feed for dairy cows.

Heavy producing cows need some grain to supplement the roughage portion of their ration. Generally about one pound of a grain mixture is fed to three or four pounds of milk.

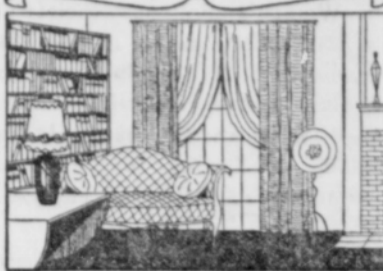
Dairy farmers are beginning to realize the many advantages which obtain where generous amounts of grain are incorporated in rations for the protein thus supplied is of a high quality which is enjoyed and appreciated by domestic animals.

No farmer has time to milk a cow that will not produce enough butter fat to pay for the cost of feed.

Any cream separator that leaves over four one-hundredths of 1 per cent of butter fat in the skim milk is stealing money from the farmer who owns it.

Calves are apt to pick up infection either through the navel or through their feed. Therefore conditions should be watched from the standpoint of sanitation.

NEW DRAPERIES for A FEW CENTS By Mae Martin



All of us realize nowadays how bright-colored draperies seem to invite people in, and how warm touches of color in spreads, cushions and runners help to make us love our own surroundings.

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Policeman—I'm pulling you in for reckless driving, endangering the lives of pedestrians.

Motorist—Why, man, there isn't a pedestrian on the street.

Policeman—All right, then; I'll make it attempted suicide.—Boston Transcript.

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Race Mingling

In Hawaii, according to the Honolulu Nippu-Jiji, intermarriage between its many races is becoming more and more prevalent. American men in the islands showed the highest percentage of intermarriage in the year ending June 30, 1927, only 152 out of a total of 383 being with women of their own people. Hawaiian women also intermarry frequently, for out of 271 marriages recorded, 156 were with members of other races. The Chinese, in spite of a popular belief that they are inclined toward intermarriage, showed a total of but 42 such weddings out of 175 men who were married. Only 29 out of 798 Japanese men married women of another race, and intermarriages among Japanese women totaled 41 out of 810.

Envy is no friend of happiness.

Man Fights for Life in War With Insects

America, more than any other part of the world, is engaged in a war for its existence against insects, the natural enemy of man, and their menace is greater than ever before, declared Dr. L. O. Howard, chief of the bureau of entomology, in a startling interview with the American Magazine.

America is especially threatened by insects, continued Doctor Howard, because of its varied climatic conditions and large areas of vegetation planted contiguously and affording the best possible feeding grounds for parasites.

"Any farmer, or anyone who has a little garden in the suburbs and a few fruit trees has come to know that he cannot get a perfect or even near perfect crop without protective mechanical or chemical measures against insects," added the entomologist. "When one buys fruit, vegetables or cereal product, an indirect toll is paid upon the insect hordes, which want exactly what human beings want and are trying to crowd us off the earth to feed their fabulously increasing families.

"Some idea of the extent of the cost of insects is shown from the fact that \$30,000,000 worth of wire screening is sold annually. Orchard growers of California alone spend \$45,000,000 annually fighting insects. The bureau of entomology spends about \$3,000,000 a year in field work and scientific investigations to determine what strategy to use against the enemies, but this sum does not include special sums to meet emergencies. The total actual cost of the insect warfare is conservatively \$60,000,000 a year.

"To put it more clearly, the damage wrought by insects every year in the United States nullifies the labor of 1,000,000 men. These material figures do not even touch upon the loss of life caused by the 65 well-known types of disease-carrying insects, which is beyond estimate."

World's Largest Statue

What will be the largest statue of its kind in the world is to be erected in the bay at Rio de Janeiro, a huge figure of the Christ, 100 feet high, says Popular Mechanics Magazine. It is the work of the Polish sculptor Landowski.

Accommodating

She—"I don't like to be pawed over and kissed." He—"All right—I'll kiss you first."—Life.

Solid friendships are based on a thoroughly mutual understanding; and there isn't so much of that.



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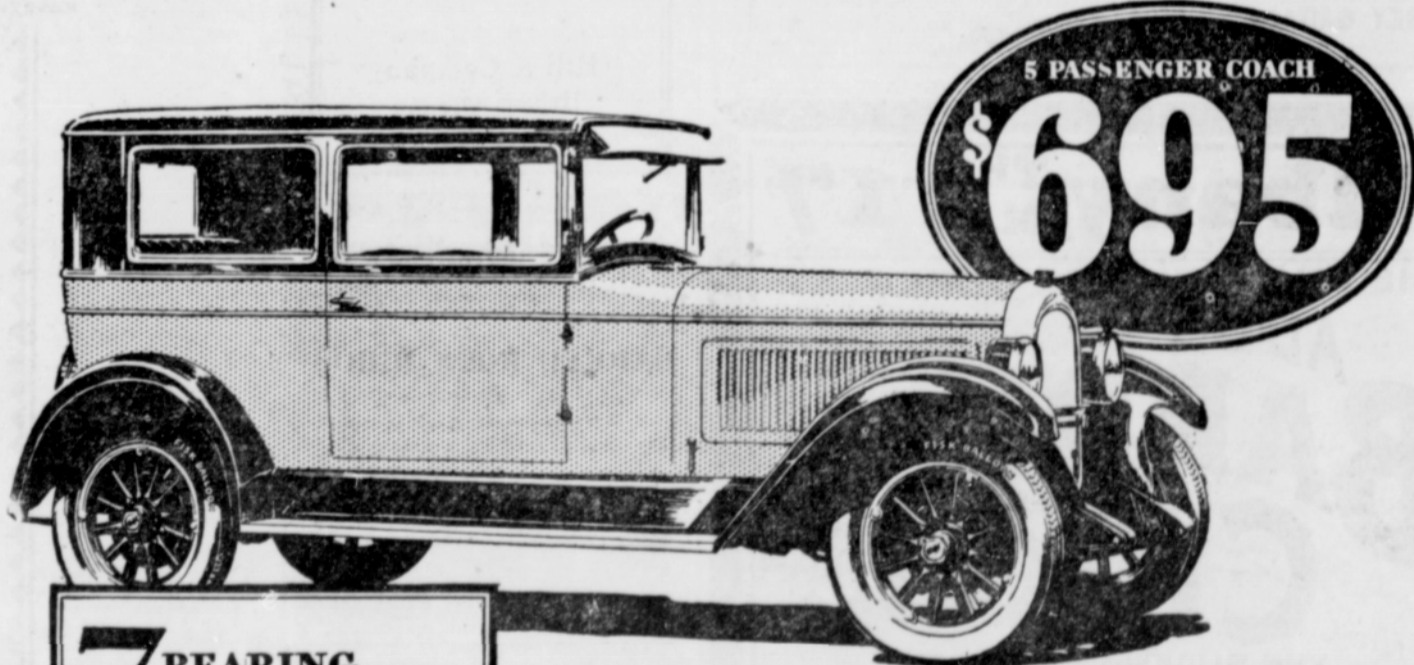
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Not His Line

Bill Brennan, Jr., isn't old enough to be a member of his father's firm and be known as a realtor, but he specializes the same as the W. A. Brennan company does in large downtown leases and real estate deals, having his small sister as his principal client. The other evening Bill, Sr., overheard some of the "business" conversation. The "client" had called by phone and Bill, Jr., answered.

"No," he spoke into the imaginary telephone, "I am not an insurer; I am a real estate."—Detroit Free Press.

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