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WEEKLY POULTRY LESSON

Under the Authoritative Direction of
Prof. F. C. Elford
Dominion Poultry Husbandman

With Specialized Information
Contributed by **G. W. Miller**
Author of Coldbelt Poultry Course.

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MATURING THE PULLETS. given below at the different periods named.

Heavy producing layers will come from the pullets that commence to lay in October and November. Hatching was unusually late this year, and it is only by good feeding and special care that many of this season's pullets will be got into condition for laying so early. Much may yet be done, however, to hasten along the maturity of the growing pullets.

| Weeks | Leghorns | Rocks, etc. |
|-------|------------|-------------|
| 8 | 1 lb. | 1 1/4 lbs |
| 11 | 1 1/2 lbs. | 2 " |
| 16 | 2 1/2 " | 3 " |
| 20 | 3 " | 4 " |
| 24 | 3 1/2 " | 5 " |

One of the first things to remember in growing pullets is that they should not be allowed to lay until they have attained full bodily development. A bird may be so fed that it will commence laying before its body has reached normal size and weight. When this is so the first eggs will be quite small and although the bird's life will be undisturbed, now that eggs of the highest legal grade must weigh at least two ounces, it is very important that care should be taken in growing pullets to not impair their systems so as to interfere with the size of their eggs. If a pullet's comb begins to swell and the head and face to redden before it has reached normal size, all feed that excites the ovaries, such as mush, etc., should be cut-down or entirely withdrawn from its rations. There is not likely to be much necessity for this this fall, however.

By observing these weights month by month, a poultryman may know whether his pullets while growing are putting on normal weight for their age. Pullets of different sizes should be kept in separate flocks for best results. This gives all an equal chance in the battle of life, and the smaller birds are not trodden under foot by the larger and more vigorous.

- Questions for this Week's Lesson.**
1. Why is it desirable for a pullet to reach bodily maturity before starting to lay?
 2. Can a poultryman regulate the time, respectively of bodily and sexual maturity?
 3. What affect has milk in the ration of developing pullets?
 4. If you found your pullets at a certain period were underweight for their age, what should you do to correct this?

Forcing Pullets to Maturity.
Rather, special efforts will have to be made to get the pullets up to both in size and laying condition. They should be allowed to range at will, and both grain and mash should be kept in hoppers before them all the time. The hoppers may be placed out of doors if they are so made as to protect the feed therein from the weather. The following mash is recommended for this purpose:—

- Two parts wheat bran
- One part wheat shorts
- One part whole ground corn
- One part ground oats or oat flour
- One part meat meal.

With this the birds should have all the buttermilk or sour skim milk they will drink. If milk in one of these forms cannot be had, buy condensed buttermilk and dilute it down by adding water.

The dry mash should be supplemented with the following whole grain mixture:—

- Two parts wheat
 - One part cracked corn
 - One part culled oats
- This may be fed in hoppers also, but if the birds cease foraging for bugs and other range feed, it is better to dispense with the hoppers and withhold all grain until late in the afternoon. Then scatter near their houses, giving them all they will eat.

If the pullets are being properly fed they will be sent to roost with bulging crops.

Milk and Green Feed.
Pullets that are fed on a ration limited to wheat, corn, and oats will not develop as they should. These feeds must be supplemented, in addition to giving these feeds in ground form, with milk or green feed to have the chicks grow normally and develop into healthy, vigorous stock.

Nothing will stimulate the appetite more or keep the digestive system in better condition than the frequent use of sour skim milk or buttermilk. A healthy appetite means vigor and reserve energy. The feeding of milk in either of these forms is a successful method of stimulating egg production at the beginning of the season. It has the effect of getting the birds down to laying when they seem to be a little uncertain.

Monthly Weight and Age at Maturity.

The Leghorns and other light breeds should begin to lay in 5 1/2 months, Wyandottes, and Reds in 6 1/2 months and Plymouth Rocks in 7 months. They may be forced to start earlier, but this is always at the expense of size of the eggs. If a longer period is taken nothing is gained and the cost of production is accordingly increased. Growing pullets should reach the weights

Answers to Last Week's Questions.

1. Animal and green feeds are necessary in the poultry ration to supply the nutrient elements which are lacking in the grain feed. We get certain very essential proteins only from animal sources, and growing vegetation furnishes vitamins which are helpful in assimilating the food and also furnishes mineral elements of the highest importance.
2. Natural animal food may be supplemented by giving prepared by-products from the meat packing establishments, by giving milk or milk products, or by utilizing the carcasses of animals that are accidentally killed.
3. Supplementary sources of growing vegetation are cabbages, mangels, beets and sprouted oats.
4. Farm flocks often lay poorly in winter because they do not get a supply of animal and succulent green food.

MALLORYTOWN SCHOOL FAIR.

Was Largely Attended—Junetown Pupils Won Silver Cup.
Junetown, Oct. 2.—The pupils of the school are delighted with the results of the annual school fair held last Tuesday at Mallorytown. Strong competition existed among the different schools present, and the numerous exhibits were much above the average. The silver cup, donated by the Mallorytown Women's Institute for stock judging, was won by Junetown pupils for the second consecutive year. They were also second in the parade. The successful stock judging team was Willie Ferguson and Donald Turner. The prize money amounted to \$17.30. Besides the above, a number of points were won in the relay, running and other races. Much credit is due the teacher, Miss Beatrice Averf, also the parents who encouraged the pupils in their work.

William Purvis, Brockville, spent the week-end with his parents here. Cedric Scott, Ogdensburg, N. Y., spent Sunday with his parents, Mr. and Mrs. H. Scott. Miss Gertrude Scott, Lansdowne, was also home for the week-end. Mr. and Mrs. Henry Mulvaugh, Lansdowne, visited Sunday at Robert Mulvaugh's. Several from here attended the Wilson Burnham sale at McIntosh Mills, on Monday. Mr. and Mrs. W. H. Franklin, also Mrs. E. Franklin, visited Mr. and Mrs. O. Shaver, Brockville, on Friday. Mr. and Mrs. William Hall spent Thursday last in Brockville.

HANDLING MILK.

Of Three Routes Sent to a Factory Recently Burned.
Bloomfield, Oct. 3.—Warm weather during the last week changed to cooler weather. A thunderstorm accompanied by a good rain fall, passed over here on Friday, but no

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Forty Years in Service.
On Oct. 1st, Sheriff Alexander Morris, Pembroke, completed forty years of service to the citizens of Renfrew county, as a government or county official, having during that period occupied the positions of deputy sheriff, county treasurer and sheriff of the county Renfrew.

All argument will vanish before one touch of nature.

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THE GREAT CLEAN UP

Panel 1: "OH, MR. GALLAGHER, OH, MR. GALLAGHER! US WOMEN HAVE AT LAST OBTAINED OUR RIGHTS!"

Panel 2: "WATCH OUR ECONOMIC STORM! WATCH OUR CRUSADES TO REFORM! WE WILL CLEAN UP MANY LONG ESTABLISHED FLIGHTS!"

Panel 3: "OH, MRS. SHEAN, NO MORE OF YOUR MALE TRICKS! OH, MRS. SHEAN! YOUR VOTE IS BOUND TO MAKE THE NATION CLEAN!"

Panel 4: "HOW 'BOUT THE DISHES, MRS. SHEAN?"

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