

early hatched pullets, if properly grown, should begin to lay in the fall at the time when eggs are scarce and high in price.

A FEW FACTS TO REMEMBER

Pullets must be well matured before they will lay many eggs. Pullets that start to lay in the fall before cold weather sets in will, as a rule, lay all winter.

It is the early hatched pullets that produce eggs in the fall and early winter, when prices are high.

February, March, and April are the months to do your hatching in order to secure early hatched pullets.

Yearling and 2-year-old hens do not lay many eggs in the fall, as they are molting at that time, and the feed they consume goes not only to keep up the energy and life of the birds, but also to put on or grow a new coat of feathers.

In properly matured pullets all surplus energy beyond that needed to meet the requirements of the body is available for the production of eggs.

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PROFITABLE FEEDING

One of the most common faults is to feed too sparingly, in an attempt

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to make the feed on hand last as long as possible. In some things it is economy to save, but in feedings for milk it is economy to spend wisely. Cows of the right sort which are able to consume large quantities of feed are always the greatest money makers. It is economy to give them all they will clean up well. Under liberal feeding of good producers, it requires around 60 per cent of the feed to maintain the body of the animal and carry on the life processes. In meagre feeding it may require 90 per cent, leaving only 10 per cent for milk production. If this is true, one cow well fed would return as much milk as four meagerly fed. It is certainly greater economy to turn 40 per cent of the feed into milk than 10 per cent, and the latter with a greater amount of labor.

Every pound a cow loses in flesh below good living condition must be replaced by feed later or it will be taken from the pail during the next milking period, and it may be taken with interest. At times and with certain cows, it is possible to overfeed. If a cow is gaining in flesh rapidly, the quantity of feed should be reduced, unless she needs to gain. Unless she is fat, it is a mistake to cut dry cow down to the minimum. If she has been bred as she should have been, the calf is maturing rapidly at this time, and it is at this time that that cow should build up for the next year's work.

However, quantity alone is not sufficient. A cow may be given all she can consume and still lose in milk and flesh. The quantity she will consume and the efficiency with which she uses it depend feed. The speaker fed two lots of cows all they would consume. One lot consumed 13 per cent more feed and gave nearly 34 per cent better returns per 100

HOW TO HAVE HEALTH AND LONG LIFE
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pounds consumed than did the other lot. Besides this, they held their own in flesh, while the other lot lost rapidly in flesh and condition and came out of the experiment thin and in poor condition. Both of these rations were made up of common farm grains except that one contained gluten feed (which is a corn product). Per ton, there was little if any difference in the cost of the two rations. This shows that it is poor economy to depend on quantity alone.—Prof. C. C. Hayden, Ohio Experiment Station.

FORMALIN FOR SEED CORN
Experiments in Iowa, where the root and stalk disease is threatening serious loss to the corn crop, show that the best remedy is sanitation of the soil by crop rotation. The disease is caused by a kind of mould which attacks the joints and weakens them so they break down. The state college recommends that seed corn be treated with a mixture made of one ounce of formalin to three gallons of water.

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