Feeding Baby Chicks

DEPT. OF AGRICULTURE

In order to answer the numerous requests as to exactly how the poultry Department of the Ontario Department of Agriculture feed the baby chicks, the following is written:

It is well to remember that these rations, and methods of feeding, have been successfully used for chicks hatched in early February, or under conditions where they never get out on the ground, and where every portion of feed must be given the bird. Where chicks are raised out in direct sunlight, and have an abundance of tender green feed, such things as Cod Liver Oil, Tomatoes, etc., might not be essential, but one can be reasonably certain that if a ration will grow what appears to be normal chicks, under indoor conditions, it should be equally successful where part time indoors and part time out of doors.

The litter used around the brooders is cut alfalfa hay of good quality. The chicks eat some of the cut hay. It is a factor in their diet, or a partial substitute for green grass. The chicks are moved to the brooder, which has been heated for a day or so, when 48 hours old. The first day in the brooder they are allowed to drink all the luke warm water they desire. Use plenty of fountains, or at least one to each hundred chicks.

We have been in the hopes of recommending methods of feeding from hoppers only, but up to the present we have had less mortality by a system of feeding moist mash at regular intervals. After two weeks the chicks are weaned over, gradually, to the hopper method.

The grain, a mash mixture, consists of 200lbs. of corn meal, 100 lbs. of good grade shorts, and 10 lbs. of bone meal. No small scratch grains are fed on the start.

When the chicks are 72 hours old, begin feeding. The first day or the second day in the brooder, give from two to three feeds, upon clean boards. A board three feet long and about four or five inches wide will allow, roughly, 75 chicks to feed. Use a little lime stone grit of small size and about 1 oz. of dry mash mixture to 60 chicks. This ounce of feed is moistened with sour milk curds, or semi-solid buttermilk, and spread on clean boards. The boards are taken up and cleaned after each feed.

After this day a regular schedule is followed:

Daylight — Mash, moistened with sour milk curds. 9 a.m. — Mash, moistened with canned tomatoes. 11 a.m. — Mash, moistened with hard boiled eggs. 1 p.m. —Mash, moistened with soor milk curds. 3 p.m. — Mash, moistened with sour milk curds. Night — Mash, moistened with hard boiled eggs.

Add a teaspoonful of cod liver oil to the tomatoes for each 500 chicks daily, increase the amount gradually, but do not overfeed. Keep the chicks but give all a chance to eat.

On the seventh day, place them a mash in a shallow box or other container, composed of the following ingredients:

700 lbs. of Corn Chop.
300 lbs. Oat Chop.
45 lbs. Fine Oyster Shell.
500 lbs. shorts
45 lbs. Bone Meal.
80 lbs. Alfalfa Meal.
1 pint Cod Liver Oil to 100 lbs. feed.

The oil may be sprayed on, or, to many, it is easier to mix the pint of oil with some corn meal and then spread this through the entire mixture.

With the use of self feeders, the number of feeds may be reduced. There are two essentials to remember. The chicks should have 1 lb. of semi-solid buttermilk to each 4 pounds of meal, and 1 pint of cod liver oil to each 100 lbs. of feed.

Give the chicks all they will eat every night, after the first two or three days.

Tomatoes may be expensive to buy if you have not home canned; but they put pep in the flock. Minced small potatoes, or peelings minced, are good once a day.

If you wish to give exercise use about a tablespoonful of commercial chick scratch grain two or three times a day to two hundred chicks. Scatter it in the litter.

Many of the prepared chick feeds are good, and should be fed according to the directions of the manufacturer.

Let the chicks out of doors as soon as the weather permits. Some direct sunlight assists the chicks in growth and digesting the feed. When the green grass comes, allow the chicks outside runs as soon a they will go outdoors.

Do not raise the chicks on the same ground as you used for fowls last year. Intestinal worms, etc., may be in the ground. It is desirable to raise the chicks on new ground each year, if possible. Many chicks are ruined by raising on infected soil.

Keep your colony house clean, and use good clean litter. This should be removed at frequent intervals, or when it becomes soiled or dirty. It is important to have good clean drinking fountains and never allow them to go dry. They may be raised, or put upon boards after the first few days so as to prevent the chicks from scratching them full of litter.

This year broilers have dressed over one and one half pounds each when fed as above at eight weeks of age.

Some fun was made of Justice Lennox because he suggested a creen around the front of the gallery of the Court House of Ontario County to obscure the view of the display of hosiery by ladies who sat in the front seat. Last week in some mysterious manner drapery was spread along the grill work in front of the galleries of the Ontario Legislature, presumably with the aim of rpeventing the diversion of the youthful members from their legislative duties. What shocks the politicians must be shocking indeed, and the shockers might well take the hint. —Mt. Forest Confederate.

Mustard Is a Robber Bold.

Iron sulphate or copperas can be successfully used to destroy mustard in standing grain without injury to the crop, so says Prof. J. E. Howitt of the O. A. College.

Preparation of Solution.

A 20 per cent. solution should be applied. This can be prepared by dissolving 80 pounds of iron sulphate in 40 gallons of water, or 10 pounds of copper sulphate to 40 gallons of water.

The solution should be strained through a cheesecloth as it is put into the spray pump tank. This will remove the dirt and small particles that are apt to clog the nozzles.

Time to Apply.

Apply on a calm day just as soon as the first few plants in the fields show flowers. It is very important to spray early. If the plants are left too long the treatment is not nearly so effective. If a heavy rain comes within 24 hours after the solution is applied it will be necessary to spray again.

How to Apply the Solution.

An ordinary hand pump barrel sprayer, such as is employed to spray fruit trees, may be used, or a potato sprayer can be used to do the work. Care must be taken to see that each mustard plant is covered with the solution in the form of a fine spray. The work must be thoroughly done and at the right time.

ALFALFA.

Food Reserve and Ability to Withstand the Winter.

Chemical analyses of the roots of alfalfa plants, from which the hay was cut when all plants were in full bloom, have been made to determine the amount of carbohydrates and both soluble and insoluble nitrogen present. The roots of plants that were allowed to come to full bloom showed more than twice as much reserve foods as did the roots of plants that were cut in the bud or one-tenth bloom stage. It has also been noted that plants that are harvested when the bloom is full come through the winter with less loss. The more vigorous condition of the root, as indicated by chemical analysis, for the plant that is allowed to come to full bloom and harvested only twice in the season, is a big factor in carrying the plants over winter.

Many alfalfa fields are ruined by late September and October cutting—the roots are left in a too weakened condition to stand the rigors of winter.—L. Stevenson, Director of Extension, O. A. College.

A fourth laboratory analysis and field test of the commercial product known as "Soilgro" at the O. A. College by special request. The results of this test tallied with those that were previously reported by the Department, and were to the effect that this product, which retails at six dollars per gallon, is of no benefit to crops on ordinary soil.

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WHITE LEGHORNS — Heavy laying strain. Setting $2.00.

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S. E. DeCudmore
PHONE 53. FLESHERTON.

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Ladies' Cushion Sole Button Boots of real good quality kid. Clearing at $2.95.

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Men's Tan Oxfords on sale that week. A real bargain at $2.95.

Ladies, don't forget we have the newest in smart shoes for Easter. Call and look them over and you will be convinced that we are up-to-date in this department.

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Now is the time to buy your Dairy Pails. A full line of Paints, and Brushes. Also a full line of Fence Wire. Our stock is compete and our prices right.

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NEW WALL PAPERS

The new Wall Papers are here. We have a large assortment to offer and our stock is now at full strength. It will pay you to look over this fine assortment now and choose your papers from what we believe to be the most popuplar line in Canada to-day. All papers in stock 22 inches wide. We have many real good values in this line at 10c., 11c., 12½c., 15c., 18c. and up to 50c. per roll.

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10 pound Granulated Sugar	72c.
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Special Easter Showing of Dresses, Coats and Millinery

Dresses in all the newest shades with pleatings, tucks and shirring, in satin, georgettes, cantons and crepe satin. Prices ranging from $10.95 to $35.00. 12 Dresses, regular $12.50 to $15.00. Price $10.95.

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Small Advertisements

FOR SALE

FOR SALE—Good Cow, due March 26th—W. G. Moffat, con. 8, Osprey.

FOR SALE — Seed peas, large variety.—B. McKenzie, Ceylon, phone.

FOR SALE—Four Yorkshire sows, due May.—John Hatton, R.R. 5, Markdale. Phone 29 r 2.

FOR SALE — Good second hand buggy, also number of sap buckets and spoiles. — S. M. Osborne, town.

A full line of Clover seed on hand. Secure our prices before buying.—Stewart & Sons, Flesherton.

FOR SALE — Heavy mare rising 5 years. — J. J. Meads, Priceville, Phone 21 r 12.

FOR SALE — 45 bu. No. 1 Western Seed Oats. — W. G. Bowles, R. R. 5, Markdale.

FOR SALE—Two good work horses —E. W. Jones, 2 miles south of Flesherton on highway, phone 41 r 24.

FOR SALE—Good general purpose Horse, will work on farm—Dr. F. T. Bibby, Flesherton.

FOR SALE — About 10 tons of good hay. — Fred Smith, R. R. 2, Flesherton.

FOR SALE — Oat scalpings, best quality, 45c. per bu., also barley, wheat and peas for feed and seed.—A. C. Muir, Ceylon.

FOR SALE — 2 registered Shorthorn bulls, 16 months. Government tested for T. B. — Ed. Littlejohns, R.R. 5, Markdale.

FOR SALE — Baled hay, mixed, timothy and clover, $14 per ton at the barn — W. J. F. Hutchinson, R. R. 4, Markdale.

FOR SALE—Four lots with stable and a 6-roomed dwelling with summer kitchen and woodshed. Apply to Ed Best, Fleshertnn.

FOR SALE — Large field Peas for seed, Canadian Beauty, reasonably priced. Phone 32 r. 15.—E. H. Best, Priceville R. R. 3.

FOR SALE—House and lot for sale in the village of Flesherton. Good 7-room frame dwelling with good barn —John Blackburn, Flesherton.

FOR SALE — A quantity of good mixed hay on the farm 1½ miles south of Markdale on Prov. highway. —W. H. Heard, phone 33 r 11.

FOR SALE — Two stacks of good timothy hay, two stacks oat sheaves and on good working horse, 8 years. —Wm. Hawkins, Eugenia.

FOR SALE—Brood sows for sale. First one will pig about April 1st—John Flynn, Flesherton, R.R. 2, Phone 13 on 31.

FOR SALE — A few hundred bushels of No. 3, C.W. Oats for sale at the barn, lot 5, Con. 9, Osprey.—Kendal R. W. Hawkins, Feversham.

FOR SALE—Two Cows, one due in May, aged 6 yrs., the other farrow—Walter Russell, Flesherton. Telephone 11 r 24.

FOR SALE — Clover seeds of all kinds, home grown, government tested No. 1. Get my special prices before buying. — E. H. Best, Phone 32 r 15, Flesherton.

FOR SALE — Choice Alberta oats, 1925 crop, 80c. per bu.; also fancy recleaned oats at 87c. per bu. Western white feed oats at 63c. per bu.—A. C. Muir, Ceylon.

FOR SALE—A quantity of second cut alfalfa, also a quantity of seed oats—W. J. McFadden, R. R. 5, Markdale. Phone 33-3. Markdale.

WANTED — Good quality sweet Clover Seed. Special prices this week. We are also in the market for all kinds of grain. Phone 2 r 31. —A. C. Muir, Ceylon.

NOTICE — Please take notice that all accounts must be settled by March 31st, after that date they will be placed in other hands for collection, as I am going out of business.—Harry Foester, Eugenia.

CHICKS FOR SALE — Pure-bred Plymouth Rock bred-to-lay chicks, produced from a flock under supervision of an O.A.C. Government culler. Hatch ready end of April. $16.00 per 100.—Mrs. E. Patterson, R.R. 2, Priceville. Phone 22 r 41.

MISCELLANEOUS

NOTICE — Chopping done Tuesdays and Saturdays—Graham Bros., Eugenia.

NOTICE — Old crop very dry corn always in stock;also Canadian Beauty seed peas. — A. C. Muir, Ceylon.

WANTED — Work by the day, reasonable charges.—Mrs. F. Plewes, Flesherton.

SHORTHORN BULL FOR SERVICE

Registered Shorthorn bull for service at lot 5, Con. 9, Osprey, "Merry Marquis" No. 179,135; Sire, Bonnie Marquis 142,381; Dam, Red Butterfly 131,078. Terms — Purebreds $5.00. grades $2.00.

—S. R. HAWKINS, Eugenia.

FARM FOR SALE

100 acre farm, lots 77-78, 1 N.D.R., Artemesia, about 85 acres under cultivation, remainder in bush and pasture, well watered; good bank barn 36x60 with T 36x45, solid brick house, 8 rooms, furnace and soft water cistern. Reason for selling illness.

—Write W. A. MORTON, R. R. No. 2 Proton Station.

FARM FOR SALE

Farm for sale containing 39 acres of land, 25 acres workable, 20 acres seeded, well fenced, good barn and stables; frame house with softwater inside.

—L. WHITEHEAD, Flesherton.

FARM FOR SALE

150 acres, Lot 24, Con. 10, and south half Lot 25, Con. 11, Artemesia, must be sold on account of family being dissatisfied.

ROBT. E. GORLEY, Eugenia P.O.

HEREFORD BULL FOR SERVICE.

Hereford Bull, Roy Fairfax 5th, No. 56,120, for service at lot 33, con. 1, 2 N.D.R., Artemesia. Terms—$2.50, payable at time of service.

—JOHN DOW, Priceville.

BOAR FOR SERVICE.

Registered Yorkshire Boar for service by Flesherton Bacon Hog Club, the property of the Ontario Department of Agriculture.

—C. STEWART, Caretaker.

BOAR FOR SERVICE

Tamworth boar for service, No. 2-16,816, on Lot 146—147, 3rd range

—L. MEGGOTT,
Apr. 27. Flesherton

BOAR FOR SERVICE

No. 92-77530. Also a young Yorkshire pig, both bacon type for service on lot 176, N.W. T. & S.R., Terms—$1.00.

—T. J. STINSON.

HOUSE & LOT FOR SALE

In the village of Flesherton, 14-room house, suitable for store or any business stand, in good location, hard and soft water in basement, furnace, two good cellars, lot has good frame barn size 24x30, also good garden, containing in all two lots. For further particulars apply at this office.

BOAR FOR SERVICE

Registered Yorkshire Boar for service—Edgely Bright Vim, No. 99,996 —Property of Saugeen Bacon Hog Club. Terms $1.00.

—C. HINDLE, Proton Station.
Lots 168-9, 3rd W.T.S.R., Artemesia.

JERSEY BULL FOR SERVICE

Registered Jersey bull for service. Sire: Brampton Jersey Conscript; Dam: Brampton Petune's Lady. Fee: $5.00 at time of service.

—H. RADLEY, Flesherton, Ont.

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