

SUGGESTIVE POINTS ON HATCHING AND FEEDING CHICKS, BY THE OAC

Authoritative Information Covering the Whole Range of the Subject, and a Tentative Feeding Schedule, That Will Be of Use to Beginners and Experienced Poultrymen

There has just been issued, January, 1924, Extension Bulletin No. 370, of the Oregon Agricultural College, the author being H. E. Cosby, extension specialist in poultry husbandry, which is of sufficient importance, to both beginners and experienced poultrymen, to warrant its publication in full, as follows:

Selection and Care of Eggs for Incubation

Dark, clean nests should be provided in the breeding houses in order to reduce to a minimum the number of cracked and dirty eggs. Strong, fertile eggs are necessary in hatching strong, vigorous chicks. It should not be expected that strong, healthy chicks will be hatched from breeding stock which is underfed, overfat, or of low vitality, or unhealthy, any more than it should be expected to hatch vigorous chicks from breeding stock that has been forced for high egg production. Free range is an important factor in producing hatching eggs, but if through necessity the breeders are confined to a small area, it is imperative that they be given a variety of feeds and be compelled to exercise.

It is desirable to gather the eggs for hatching purposes two or three times daily to prevent chilling. Eggs for hatching should be set when fresh. Though stale eggs frequently will hatch, it is not advisable to use for hatching eggs that are older than 10 days. The breeding pen should be mated about three weeks before eggs are to be incubated. During the first three or four days it is not necessary to turn eggs intended for hatching, but after that time they should be turned daily. Hatching eggs should be placed in a regular market egg-case and the case turned on a different side daily after the first week. Eggs that are purchased for hatching should rest 24 hours before being incubated.

Size, shape, and color of eggs are breeding problems just as much as the number of eggs produced by an individual is a breeding problem. All eggs incubated should be uniformly large and of a color characteristic of the breed. Each egg incubated should weigh at least two ounces. More uniformity in eggs selected for hatching means a more uniform flock and product.

Incubators and Incubation The various kinds of incubators made are classified into three types: hot water, hot air, and mampmoth. Moisture and non-moisture incubators are made in different styles of hot air and hot water machines.

Position. It is advisable to see that the incubator is perfectly level. Use a spirit level in several positions on the incubator to determine accurately that it is level. Thermometers. Each thermometer should be tested occasionally with an accurate clinical thermometer. Put both thermometers in water heated to 100 degrees to 105 degrees F. and check the readings.

Location. An incubator usually gives better results if operated in a well ventilated cellar. A cellar retains a more uniform temperature, has a more constant degree of humidity, and is free from vibrations.

Disinfecting. Before and after each hatch it is important that the incubator be thoroughly scrubbed and disinfected so as to avoid possible danger of contagious diseases. A few hours before the eggs are placed in the machine it should be sprayed thoroughly with zoleum, creolin, or 3-percent solution of cresol soap mixed with water.

Operation. The incubator should be set up and operated exactly as

the brooder. Move them in a flat bottom cloth-lined box or basket, or in a commercial baby-chick box. It is best to move them from the incubator to the brooder at night.

Brooder Preparation

The brooder house should be thoroughly disinfected and cleaned a few days before the hatch is expected. The brooder should be set up, cleaned, and the regulating device carefully tested. The brooder should be operated two or three days to be certain that it is dependable.

The brooder house floor should be covered with a layer of sand from one-half to one inch deep. Cut straw or alfalfa litter may be scattered over the roosting area if desired. Do not put chicks under any brooder until confident that the brooder is working accurately.

There is such a variety of brooders in general use that it is impossible to give any specific statement relative to the correct temperature. It is advisable to regulate the temperature to the degree designated by the manufacturer.

A TENTATIVE FEEDING SCHEDULE

Table with columns: Age, GRAINS, MASH, DRINK, OTHER FACTORS. Rows include 48 hours, 7 days, 10 weeks, and maturity stages.

FREE REFERENCES, OREGON AGRICULTURAL COLLEGE, CORVALLIS, OREGON. Station Circular 51. Building Plans for O. A. C. Portable Colony and Brooder House. Station Circular 52. Oregon Experiment Station Traps. Station Circular 53. Open Air Range House. Extension Bulletin 347. Suggestive Points on Culling the Poultry Flock. Extension Bulletin 348. Suggestive Points on Feeding for Egg Production.

HECKER TO HANG ON WED., MAY 22

Court Breaks Friday Precedent and Also Specifies Time of Day

Russell Hecker, former Albany youth convicted of the slaying of Frank Bowker, Portland musician, on April 16, 1922, appeared before Judge J. U. Campbell in Oregon City Wednesday morning and was re-sentenced to hang. Date of execution was fixed for Wednesday, May 21, between the hours of 10 o'clock in the morning and 4 o'clock in the afternoon. In charge of Deputy Sheriff H. H. Hughes of Multnomah county and a traffic officer, Hecker was received at the state prison and placed in cell No. 110, in what is termed "murderers' row." He will be removed to a death cell today and placed under a death watch, according to J. W. Lillie, deputy warden.

Hecker was apparently undisturbed by his return to the state prison, where he spent a month in 1922. He was received July 5, 1922, under sentence to hang on September 22. A stay of execution was issued August 7 and he was delivered to a Clackamas county sheriff on August 15 and taken back to Oregon City. Owing to the nature of the jail there he was removed to the Multnomah county jail.

The condemned youth talked readily to Deputy Warden Lillie and a newspaperman. He said that he had received every possible courtesy that could be permitted a man in his position, and was grateful for the treatment accorded him by his keepers, who, he said, spared the use of handcuffs whenever circumstances permitted.

Passing of sentence upon Hecker by Judge Campbell broke a precedent of years, for in nearly every instance a man condemned to death upon the gallows meets his fate on a Friday. The date, as set, is for a Wednesday. Another unusual feature of the sentencing was that the hour of execution was practically specified. Generally the hour is not designated and the execution takes place about 8:30 o'clock in the morning.

Friends of Hecker's are working for a commutation of his sentence to life imprisonment, but because of the stand taken by Governor Pierce in not interfering with the work of the courts, prison officials and others think that the execution will be carried out at the designated time. In setting the date three months in the future, Judge Campbell has placed the condemned youth in a position where it is possible he may escape the gallows, for it is expected an effort to pave the way for the abolition of the death penalty will be placed before the voters of the state at the May primaries.

Hecker was convicted for killing Frank Bowker, Portland musician, near Oregon City, in Clackamas county, the night of April 16. After killing his companion, Hecker loaded the body into a hop sack and drove to the Callpoola river, about a mile south of Albany, dumping the

body into the river from the bridge. He returned to Portland and a day or two afterwards led officers to the bridge. The body was later found. Hecker claimed self-defense, but the jury returned a verdict in 57 minutes.

Sheriff Chrisman of Wasco county, did not come after Abe Evans Wednesday. Evans killed James Doran near The Dalles the night of September 10, 1921. Evans was convicted of the crime and sentenced to hang. A stay of execution was issued pending his appeal to the supreme court. He will be taken back to The Dalles to be re-sentenced.

Activity characterized the corn market during the entire day, general demand being broader as well as commission house buying, whereas offerings except to realize profits were of a scattered character. Rural dissatisfaction with current prices continued to receive much attention as a bullish factor.

Besides, bull leaders were inclined to emphasize that nearness of the time when farm deliveries usually halt until after planting Gossip, too, was dwelt upon that feeding of hogs this season had exceeded last year's total both as to number and weight.

The highest closing level for the crop was witnessed in the corn market. What little corn was booked today to arrive here was promptly taken by shippers who paid a premium for some of it. These circumstances were a late bullish influence and so likewise was a report that the farmers' holding back movement had reached Minnesota in addition to states heretofore named.

Wheat and oats sympathized with corn strength. Wheat was likewise affected by a bullish estimate of farm reserves.

Lower quotations on hogs tended to ease the provision market.

GENERAL MARKETS

WHEAT MINNEAPOLIS, Feb. 27.—Wheat: Cash No. 1 northern \$1.15 to \$1.19; No. 1 dark northern spring, choice to fancy \$1.23 to \$1.30; good to choice \$1.19 to \$1.22; ordinary to good \$1.16 to

GOOD TONE SHOWN BY STOCK PRICES

Late Buying of Steel Shares Influenced By Weekly Trade Reviews

NEW YORK, Feb. 27.—Stock prices displayed a better tone in today's dull market, bear traders inaugurating an extensive covering movement in the late afternoon after an early campaign of short selling had failed to make much headway.

Late buying of the steel shares was influenced by the weekly trade reviews which indicated that February bookings equal those of January, the falling off in the east being offset by the sustained activity in the west. United States steel common selling ex-dividend closed 102 1-4.

Copper shares, which turned weak yesterday following the omission of the Omaha dividend and which continued reactionary in today's early dealings, steadied later on publication of London cables announcing higher copper metal prices in Great Britain. Baldwin and American can closed at 122 1-2 and 112 1-2 respectively, each up about a point, after having sold about two points below their final quotations.

Oil shares failed to make any appreciable response to reports of further improvement in the statistical position of the industry. The restricted trading in these issues was again attributed to the fear of further unfavorable developments at the Washington oil inquiry and reports that Senator La Follette shortly would introduce a measure regulating the industry.

Trading in railroad shares was rather sluggish. Call money opened at 4 1-4 per cent and then advanced to 4 1-2 where it closed. The time money and commercial paper markets were quiet with no change in rates.

Extreme weakness of French and Belgian francs, apparently based on selling influenced by the resignation of the Belgian cabinet on a vote over the economic pact with France, was the feature of the foreign exchange market.

LIVERPOOL, Feb. 27.—Close: Wheat 5-8d to 7-8d lower; March 2s 4 3-4d; May 8s 11 3-4d; July 8s 11 3-8; October 8s 9 5-8d.

BUENOS AIRES, Feb. 27.—Opening: Wheat, March 95 1-2c; down 1-4c; May 95c, down 1-4c.

PORTLAND, Feb. 27.—Grain futures: Wheat, bluestem and baart, February, March, April \$1; soft white, western white, February, March, April 98c; hard winter, northern spring, western red, February, March, April 94c.

OATS Oats, No. 2, white feed, March, April \$32.50; No. 2 gray, March, April \$32.

CORN Corn, No. 2 eastern yellow, shipment February, March, April \$32.50; No. 3 ditto, February \$32.50; March, April \$32.

HAY PORTLAND, Feb. 27.—Hay unchanged.

Dairymen Hold Meeting In Hillsboro This Week

HILLSBORO, Or., Feb. 27.—The State Dairymen's association opened its convention here this morning. J. B. Strullinger, acting mayor of Hillsboro welcomed the dairymen. J. J. Van Kleeck, president of the association, delivered the principal address of the session, in which he stressed the accomplishments of the organization. He particularly emphasized the work in connection with the milk products bill.

This afternoon the dairymen will discuss the oleomargarine bill.

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yesterday and were offered at 19 cents a bunch. These are larger than the earlier vegetables. Green onions, radishes, lettuce and cucumbers are also available.

GRAIN AND HAY, EGGS, BUTTER, BUTTERFAT, FLOUR, POULTRY, PORK, MUTTON AND BEEF. Lists prices for various commodities.

Irrigation District Sells Block of Bonds

MEDFORD, Or., Feb. 27.—Officials of the Talent irrigation district near here announced the sale today of \$440,000 in bonds to bond houses in Portland and San Francisco. Work will start immediately on a dam on immigration creek near Ashland which will supply water for 4500 acres in addition to the 6500 acres in the district now under water. The completion of this project according

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