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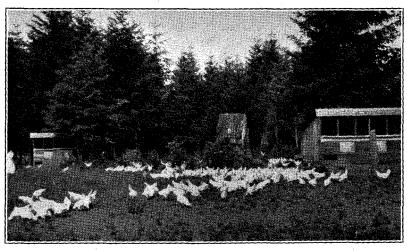
# Cost of Rearing Pullets to Six Months of Age

Ву

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The data herein published were gathered during the season of 1923 to determine, if possible, more accurate figures than were at that time



Ideal growing conditions

available on the cost of raising pullets in a commercial flock in Oregon. The data were secured from five different farms in separate communities within a thirty-mile radius of Portland. On four of the farms the only

poultry fed was the chicks being raised. On the fifth farm some laying stock was kept, but special provisions were made to keep feeds used for old and young stock separate. All feeds used were checked over weekly by the writer, and supervision given the management of growing pullets during the entire six months. No account was taken of investment or labor in these computations.

The flocks were brooded in units of from 300 to 400 chicks by the colony house system of brooding. The houses varied in size from 8 feet by 10 feet to 9 feet by 12 feet. With the exception of 1200, all were brooded in a home-constructed brooder, heated by means of a blue flame oil heater which forced hot air through stovepipes. Coal stoves were used for the other 1200.

#### NUMBER OF CHICKS BROODED

On the five farms 6291 chicks were brooded, distributed as follows:

Farm No. 1	1066
Farm No. 2	1146
Farm No. 3.	1467
Farm No. 4.	1439
Farm No. 5.	1173

#### FEEDING METHOD AND MANAGEMENT

Identical methods of feeding and management were used on each farm, as follows:

First week. Chick grain was fed five times a day, 7 a.m., 9:30 a.m., 12 noon, 2:30 p.m., and 6 p.m. Grit and charcoal mixed in with grain, and milk only used to drink.

Second week. Chick grain was fed only three times a day, 7 a.m., 12 noon, and 6 p.m. Dry mash was fed in place of the 9:30 a.m. and 2:30 p.m. grain feed. This was kept before them for only 20 minutes at each feeding during the second week, after which the length of time the mash was kept before them was increased, so that by the fifth week it was before them two hours in the morning and two hours in the afternoon.

Milk alone was used as a drink until the chicks were four weeks of age, after which time both water and milk were before them until the broilers were disposed of. From the fifth week until the time the broilers were sold, which was between the ninth and twelfth week, grain was fed three times daily and mash was before them two hours in the morning and two hours in the afternoon.

During the second week the chicks were taught to go outdoors, and from that time were encouraged to be outdoors as much as possible. If weather permitted, mash was always fed outdoors after they were four weeks of age. Small yards were used for runs until the chicks were

about six weeks of age, after which they were given as much range as possible, which varied from 1½ acres to 2½ acres per farm flock. Chicks were taught to roost as soon as possible, and sufficient roosting space was always provided to prevent crowding. After they were three months of age they were allowed to roost in trees or brush, as was available on their range. From the time cockerels were disposed of as broilers until pullets were put in the laying house, grain was fed only twice a day, morning and night, and enough mash put in hoppers between 9 and 10 a.m. to last until 2 p.m. During late summer, kale was fed for green feed. As all brooding was done on sod, sufficient green feed was secured from their range until early summer.

### RATIONS USED

Commercial chick grains were used until chicks were large enough to eat whole wheat and cracked corn, and then the grain ration consisted of equal parts of wheat and corn. Commercial chick mash was used until the chicks were six weeks old, and one flock was fed commercial growing mash during the entire growing period. The other four flocks used the following growing mash:

3 sacks of mill-run	240 lbs.	Where milk was fed, meat meal
1 sack of corn meal	100 lbs.	was omitted after pullets were 12
1 sack of ground oats	100 lbs.	weeks of age.
1 sack of middlings	90 lbs.	
1 sack of bone meal	25 lbs.	
½ sack of meat meal	25 lbs.	

#### MORTALITY

The mortality of each flock to eight weeks of age was:

Flock	No. 1	No. 2	No. 3	No. 4	No. 5	Average
At 8 weeks of age	5%	5%	5%	23%	17%-	11%
At 6 months of age	71%	10% +	10%+	33%	22%+	17%+

### TOTAL ACCOUNTING FOR ALL CHICKS BROODED

Number of chicks put in brooder.		6291
Pullets raised		
Broilers sold at 5 weeks	300	
Broilers sold after 8 weeks	2154	
Cull pullets sold	63	
Consumed for home use.	124	
Total mortality and missing.	1077	6291

#### COST OF CHICKS

The average cost of all chicks put in brooder was 15c each. was because on each farm one incubator of 500 eggs was set and brought off the same time as other chicks were purchased, and to the cost of the chicks purchased was added the cost of hatching eggs, and fuel used for incubation.

SUMMARY OF COST OF REARING CHICKS FIRST EIG	HT WEEKS	CICHT.

	Amount	Cost	Average cost
Number of chicks put in brooders Feed consumed:	6291	\$932.14	\$0.15 per chick
Grain	9847 lbs.	\$280.06	\$2.85 per 100 lbs.
Mash	8469 lbs.	211.48	2.50 per 100 lbs.
Milk	1638 gal.	63.00	0.04 per gal.
Grit	155 lbs.	2.33	
Charcoal	120 lbs.	4.70	
Other items:		4	
Straw for litter		\$ 20.84	00.001
Oil for brooding	560 gal. 2800 lbs.	109.40 31.10	\$0.20 per gal. 20.20 per ton
Disinfectant, etc.		10.40	
27.03.11.00.00.00.00.00.00.00.00.00.00.00.00.		10.40	
Total cost, first eight weeks		\$1665.45	\$0.297 per chick*
Initial cost per chick.  Loss through mortality per chick Cost of feed per chick  Cost of fuel per chick  Cost of milk per chick	ick		
Total cost at eight weeks			\$0.297
Returns from broilers sold:			
300 sold at five weeks @ 10c 2154 sold after eight weeks @ 32c			
Total			\$733.34
SUMMARY OF COSTS FOR 25	73 PULLETS	FOR SIX	MONTHS
·	Amount	Cost	Average cost

Amount	Cost	Average cost
Cost of original 6291 chicks	\$ 932.14	\$0.15 per chick
Grain	1033.64	2.40 → per cwt.
Mash		2.32 per cwt.
Milk		0.04 per gal.
Grit, shell, charcoal		
Other costs: Litter 4212 lbs. Sand Oil for fuel	34.69 2.50 117.40 31.10 19.65	\$1.22 per pullet
Theome from broners and cun punets	703.34	
Total cost less income from broilers and culls	\$2364.90 303.69	0.92 per pullet
Net cost less income from broilers, culls, and eggs	\$2061.21	0.80 per pullet

Total mortality and missing to six months of age, 1077 or 17 percent.

For purposes of comparison where chicks cost more than 15c each, for each cent over 15c add \$0.0112 to the cost of each chick at eight weeks of age, and \$0.0244 to total cost of each pullet given in the tables. For example, if chicks cost 20c each, add 5 × \$0.0112 or \$0.055 to the average cost at eight weeks and 5 × \$0.0244 or \$0.122 to the average cost of pullets at six months. If average feed costs are greater than those in the tables add \$0.015 per pullet for each \$1.00 per ton more.