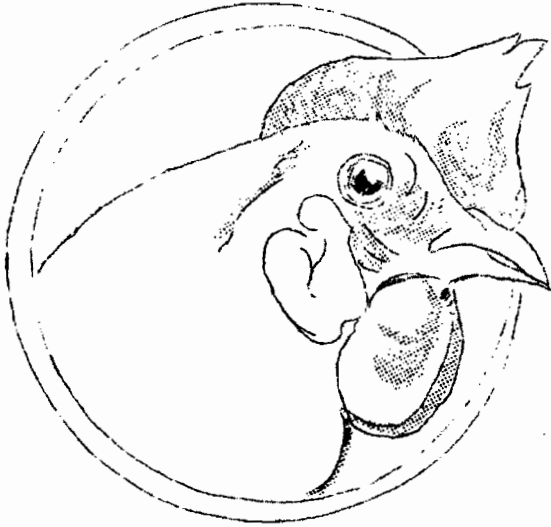


PY-SI-57-1

# POULTRY MANAGEMENT

## COST STUDY

1957



"GOOD MANAGEMENT  
PAYS DIVIDENDS"

UNIVERSITY OF CALIFORNIA  
AGRICULTURAL EXTENSION SERVICE  
RIVERSIDE COUNTY

# INTRODUCTION

This is the nineteenth annual report of the Riverside County Poultry Management Cost Study for the year 1957. After operating on a fiscal year from March 1 to March 1 for several years, the Management Study was changed to a calendar year basis beginning January 1, 1957. The Study is conducted by the Agricultural Extension Service of the University of California in cooperation with interested poultrymen of Riverside County. The purpose of the Study is to develop information pertaining to the most profitable management practices on commercial egg ranches in the county.

The 1957 Management Study is based upon seventeen poultry enterprises. The Study should not only encourage poultrymen to keep more accurate production cost records, but help them in analyzing their business to determine more efficient methods of operating. This, together with the opportunity of comparing costs and management practices with other cooperators, often leads to changes in management practice resulting in greater returns to the producer.

An analysis of the tables which follow point up some of the reasons why some flocks were more profitable than others, thus emphasizing the importance of following efficient management practices.

Appreciation is hereby extended to the poultrymen who cooperated in the study during the past year.

## INCOME AND EXPENSE PER HEN - Table I

Total Income -- Varied from a low of \$6.47 to a high of \$9.81 per hen for the year.

Income from egg sales was largely responsible for the wide variation with a low of \$6.02 and a high of \$9.07. Two of the cooperators sold all or part of their eggs retail.

Total Costs -- Varied from a low of \$5.77 to a high of \$9.71 per hen for the year.

- (a) Feed costs: The largest single expense item, varied from a low of \$3.68 to a high of \$5.16 per hen.
- (b) Labor costs: Family labor varied from a low of \$ .41 to a high of \$1.98 per bird. Hired labor varied from \$ .00 to a high of \$ .51 per bird.

## FLOCK STATISTICS AND PRODUCTION FACTORS

Basis for figuring feed consumption: Pounds of feed per hen equals total pounds of feed fed divided by the average number of hens.

To estimate the amount of feed for pullets--take the number of pullets added to flock divided by the average number of hens x 25.

Feed estimated for hens equals total feed used minus estimated feed used by pullets.

TABLE I - INCOME AND EXPENSE PER HEN

| Serial No. | Egg Sales | Poultry Sales | Misc. Income | Stock Inv. Change | Total Income | Cash and Depreciation Cost |      |       |       |              |       | Net Farm Income | Non-Cash Cost |      | Total Cost | Management Income |
|------------|-----------|---------------|--------------|-------------------|--------------|----------------------------|------|-------|-------|--------------|-------|-----------------|---------------|------|------------|-------------------|
|            |           |               |              |                   |              | Feed                       | Chix | Misc. | Labor | Depreciation | Total |                 | Family Labor  | Int. |            |                   |
| 8          | 7.71      | .34           | .02          | .58               | 8.65         | 4.83                       | .51  | .18   | --    | .18          | 5.70  | 2.95            | 1.07          | .20  | 6.97       | 1.68              |
| 2          | 7.13      | .25           | .03          | .33               | 7.74         | 4.22                       | .53  | .14   | .18   | .20          | 5.27  | 2.47            | .83           | .20  | 6.30       | 1.44              |
| 5          | 7.37      | .30           | .02          | .15               | 7.84         | 4.54                       | .39  | .37   | --    | .31          | 5.61  | 2.23            | .79           | .17  | 6.57       | 1.27              |
| 20         | 6.09      | .28           | --           | .32               | 6.69         | 3.85                       | .43  | .27   | --    | .28          | 4.83  | 1.86            | .77           | .17  | 5.77       | .92               |
| 4          | 6.63      | .19           | --           | .12               | 6.94         | 3.69                       | .34  | .23   | .12   | .36          | 4.74  | 2.20            | 1.06          | .24  | 6.04       | .90               |
| 15         | 6.71      | .09           | --           | .30               | 7.10         | 3.96                       | .31  | .21   | .01   | .29          | 4.78  | 2.32            | 1.29          | .18  | 6.25       | .85               |
| 3          | 9.07+     | .28           | --           | .46               | 9.81         | 4.80                       | .57  | 1.05  | .10   | .38          | 6.90  | 2.91            | 1.81          | .30  | 9.01       | .80               |
| 19         | 7.08      | .37           | --           | .02               | 7.47         | 4.28                       | .35  | .36   | .51   | .43          | 5.93  | 1.54            | .41           | .40  | 6.74       | .73               |
| 18         | 6.83      | .46           | .04          | .05               | 7.38         | 4.59                       | .28  | .33   | .18   | .39          | 5.77  | 1.61            | .62           | .27  | 6.66       | .72               |
| 13         | 6.80      | .15           | .03          | .35               | 7.33         | 3.85                       | .44  | .59   | .10   | .26          | 5.24  | 2.09            | 1.10          | .30  | 6.64       | .69               |
| 14         | 6.93      | .34           | --           | .44               | 7.71         | 4.40                       | .81  | .52   | .09   | .28          | 6.10  | 1.61            | .99           | .31  | 7.40       | .31               |
| 9          | 6.70      | .16           | --           | .95               | 7.81         | 4.01                       | .60  | .53   | --    | .79          | 5.93  | 1.88            | 1.24          | .38  | 7.55       | .26               |
| 7          | 6.02      | .24           | .03          | .33               | 6.62         | 4.54                       | .44  | .20   | .01   | --           | 5.19  | 1.43            | 1.03          | .25  | 6.47       | .15               |
| 12         | 7.05      | .28           | --           | .18               | 7.51         | 3.92                       | .37  | .61   | .01   | .54          | 5.45  | 2.06            | 1.71          | .28  | 7.44       | .07               |
| 1          | 6.19      | .24           | --           | .29               | 6.72         | 4.24                       | .57  | .47   | .02   | .40          | 5.70  | 1.02            | 1.10          | .41  | 7.21       | -.49              |
| 10         | 6.07      | .47           | --           | -.07              | 6.47         | 3.68                       | .42  | .76   | --    | .20          | 5.06  | 1.41            | 1.98          | .19  | 7.23       | -.76              |
| 6          | 7.39      | .41           | --           | .65               | 8.45         | 5.16                       | .76  | 1.12  | --    | .46          | 7.50  | .95             | 1.82          | .39  | 9.71       | -1.26             |
| H9         | 7.07      | .30           | .01          | .22               | 7.60         | 4.28                       | .40  | .33   | .14   | .32          | 5.47  | 2.13            | .87           | .24  | 6.58       | 1.02              |
| L8         | 6.59      | .27           | .01          | .35               | 7.22         | 4.15                       | .54  | .55   | .04   | .33          | 5.61  | 1.61            | 1.30          | .31  | 7.22       | .00               |
| Avg.       | 6.86      | .29           | .01          | .28               | 7.44         | 4.23                       | .46  | .42   | .10   | .32          | 5.53  | 1.91            | 1.05          | .27  | 6.85       | .59               |

Farm Income = Total income minus Cash and Depreciation Costs.

Management Income = Farm Income minus Family Labor and Interest on Investment.

H - High

L - Low

+ - Retail

TABLE II - FLOCK STATISTICS AND PRODUCTION FACTORS

| Serial No. | Ranch Size | Wire or Litter | Breed                | Laying Flock |          |         | Price Per Cull Hen | Hours Labor Per Hen | Pounds Feed Per Hen |               |       | Feed-Egg Conversion | Feed Cost Per CWT | % Chick Mortality |
|------------|------------|----------------|----------------------|--------------|----------|---------|--------------------|---------------------|---------------------|---------------|-------|---------------------|-------------------|-------------------|
|            |            |                |                      | % Died       | % Culled | % Added |                    |                     | Est. for Pullets    | Est. for Hens | Total |                     |                   |                   |
| 8          | B          | W              | Wh. Leghorns         | 9.4          | 75.6     | 147.2   | .45                | .9                  | 36.8                | 102.6         | 139.4 | 5.0                 | 3.45              | 5.7               |
| 2          | C          | W              | Wh. Leghorns         | 10.1         | 67.1     | 95.4    | .38                | .8                  | 23.9                | 99.5          | 123.4 | 5.0                 | 3.40              | 10.7              |
| 5          | C          | W              | Wh. Leghorns         | 8.2          | 72.9     | 112.7   | .41                | .6                  | 28.2                | 99.4          | 127.6 | 5.0                 | 3.53              | 8.1               |
| 20         | C          | L              | Wh. Leghorns         | 6.7          | 71.5     | 121.7   | .39                | .6                  | 30.4                | 79.5          | 109.9 | 4.5                 | 3.51              | .2                |
| 4          | C          | W              | Wh. Leghorns         | 11.7         | 61.2     | 79.9    | .30                | .9                  | 20.0                | 87.3          | 107.3 | 4.7                 | 3.41              | 1.0               |
| 15         | B          | L              | Wh. Leghorns         | 7.8          | 23.7     | 99.4    | .39                | 1.0                 | 24.9                | 88.8          | 113.7 | 4.5                 | 3.44              | 3.2               |
| 3          | B          | L              | Gr. Leghorns         | 9.2          | 88.8     | 143.7   | .32                | 1.6                 | 35.9                | 84.1          | 120.0 | 4.3                 | 3.80              | 9.6               |
| 19         | C          | W              | Wh. Leghorns         | 7.4          | 87.2     | 85.5    | .42                | .7                  | 21.4                | 95.6          | 117.0 | 4.7                 | 3.66              | 2.3               |
| 18         | D          | W              | Wh. Leg., G. Leg, AW | 6.8          | 122.9    | 100.1   | .37                | .7                  | 25.0                | 102.0         | 127.0 | 5.4                 | 3.60              | 6.6               |
| 13         | C          | W              | Wh. Leghorns         | 9.0          | 38.4     | 52.6    | .40                | 1.0                 | 13.2                | 97.6          | 110.8 | 4.8                 | 3.43              | 3.8               |
| 14         | C          | W              | Wh. Leghorns         | 15.7         | 86.3     | 131.9   | .39                | .9                  | 33.0                | 92.5          | 125.5 | 4.7                 | 3.50              | 3.4               |
| 9          | B          | W              | Wh. Leghorns         | 2.6          | 38.8     | 98.6    | .40                | 1.0                 | 24.7                | 95.1          | 119.8 | 4.4                 | 3.35              | 2.2               |
| 7          | B          | W              | AW & WA              | 10.5         | 42.4     | 70.2    | .57                | .8                  | 17.6                | 118.7         | 136.3 | 6.9                 | 3.33              | 21.3              |
| 12         | B          | W              | Wh. Leghorns         | 7.9          | 72.6     | 78.2    | .39                | 1.4                 | 19.6                | 90.9          | 110.5 | 4.7                 | 3.55              | 1.1               |
| 1          | C          | L              | Wh. Leghorns & WA    | 21.8         | 71.3     | 118.3   | .34                | .9                  | 29.6                | 96.8          | 126.4 | 5.4                 | 3.32              | 6.3               |
| 10         | B          | L              | Wh. Leghorns         | 10.6         | 131.9    | 118.8   | .35                | 1.6                 | 29.7                | 75.7          | 105.4 | 4.1                 | 3.48              | 8.1               |
| 6          | A          | W              | Leghorns             | 20.5         | 98.0     | 105.7   | .42                | 1.5                 | 26.4                | 110.9         | 137.3 | 6.1                 | 3.73              | 20.5              |
| H9         |            |                |                      | 8.5          | 77.0     | 104.8   | .38                | .8                  | 26.2                | 94.2          | 120.4 | 4.8                 | 3.53              | 6.4               |
| L8         |            |                |                      | 12.2         | 70.1     | 95.8    | .39                | 1.1                 | 24.0                | 96.3          | 120.3 | 5.1                 | 3.44              | 8.6               |
| Avg.       |            |                |                      | 10.1         | 74.0     | 100.9   | .39                | .9                  | 25.2                | 95.1          | 120.3 | 4.9                 | 3.49              | 7.3               |

A - below 1500

B - 1501-3000

C - 3001-4500

D - 4501-6000

E - 6001-up

TABLE III - EGG PRODUCTION AND SALES

| Serial No. | Wire or Litter | Eggs Per Hen | Per Cent Market Eggs Sold |        |       |       | Value Per Dozen |          |             |
|------------|----------------|--------------|---------------------------|--------|-------|-------|-----------------|----------|-------------|
|            |                |              | Large                     | Medium | Small | Com'l | Avg. Price      | Net Cost | Mgt. Income |
| 8          | W              | 248          | 83.4                      | 14.2   | 2.0   | .4    | 38.0            | 32.6     | 8.2         |
| 2          | W              | 240          | 67.8                      | 23.1   | 7.3   | 1.8   | 36.2            | 30.5     | 7.3         |
| 5          | W              | 240          | 87.3                      | 11.1   | 1.4   | .2    | 37.6            | 31.8     | 6.5         |
| 20         | L              | 212          | 63.2                      | 23.6   | 10.6  | 2.6   | 34.6            | 31.2     | 5.2         |
| 4          | W              | 222          | 62.9                      | 27.6   | 9.1   | .4    | 36.2            | 32.0     | 4.9         |
| 15         | L              | 237          | 60.4                      | 26.0   | 10.4  | 3.2   | 34.0            | 31.2     | 4.3         |
| 3          | L              | 234          | 46.8                      | 35.7   | 12.9  | 4.6   | 48.9+           | 47.1     | 4.3         |
| 19         | W              | 245          | 68.2                      | 19.2   | 4.4   | 8.2   | 35.5            | 31.9     | 3.7         |
| 18         | W              | 228          | 74.9                      | 17.8   | 4.8   | 2.5   | 36.6            | 33.0     | 3.9         |
| 13         | W              | 242          | 70.9                      | 18.4   | 5.1   | 5.6   | 34.5            | 32.8     | 3.5         |
| 14         | W              | 234          | 63.4                      | 26.6   | 5.2   | 4.8   | 36.8            | 37.6     | 1.7         |
| 9          | W              | 260          | 60.6                      | 22.7   | 9.2   | 7.5   | 34.2            | 37.7     | 1.3         |
| 7          | W              | 208          | 69.4                      | 21.8   | 4.8   | 4.0   | 34.9            | 36.0     | 1.0         |
| 12         | W              | 230          | 71.5                      | 22.8   | 5.0   | .7    | 37.2            | 37.7     | --          |
| 1          | L              | 215          | 60.7                      | 26.3   | 10.0  | 3.0   | 34.5            | 38.8     | -2.7        |
| 10         | L              | 221          | 48.5                      | 34.4   | 12.0  | 5.1   | 32.9            | 36.7     | -4.1        |
| 6          | W              | 217          | 74.0                      | 21.6   | 1.9   | 2.5   | 42.7            | 53.8     | -7.3        |
| H9         |                | 234          | 69.8                      | 21.0   | 6.5   | 2.7   | 36.1            | 32.2     | 5.2         |
| L8         |                | 229          | 64.6                      | 24.3   | 6.8   | 4.3   | 35.4            | 36.4     | --          |
| Avg.       |                | 232          | 67.6                      | 22.4   | 6.6   | 3.4   | 35.8            | 34.0     | 3.0         |

+ Retail-not included in averages.

W - Wire floor (cage or community wire floor house).

L - Litter floor house.

TABLE IV - SUMMARY OF RIVERSIDE COUNTY POULTRY MANAGEMENT STUDY SINCE 1950

|                           | 1950 | 1951  | 1952  | 1953  | 1954           | 1955 | 1956 | 1957 |
|---------------------------|------|-------|-------|-------|----------------|------|------|------|
| Number of Records         | 25   | 19    | 22    | 20    | 23             | 28   | 20   | 17   |
| Average Number of Hens    | 1237 | 1624  | 2158  | 2181  | 2805           | 2765 | 2693 | 3068 |
| Eggs Per Hen              | 217  | 218   | 227   | 230   | <del>234</del> | 234  | 232  | 232  |
| Per Cent Mortality        | 15   | 12    | 12    | 10    | 10             | 11   | 11   | 10   |
| Per Cent Culled           | 97   | 87    | 94    | 92    | 96             | 87   | 94   | 74   |
| Hours Labor Per Hen       | 1.7  | 1.6   | 1.3   | 1.4   | 1.1            | 1.1  | 1.1  | .9   |
| Pounds Feed Per Hen       | 142  | 147   | 142   | 144   | 133            | 130  | 130  | 120  |
| Cost of Feed Per CWT      | 4.04 | 4.29  | 4.53  | 4.10  | 3.92           | 3.77 | 3.66 | 3.49 |
| Average Price of Eggs     | 44.4 | 53.4  | 47.9  | 52.7  | 36.4           | 42.6 | 36.2 | 35.8 |
| Net Cost Per Dozen        | 41.5 | 44.0  | 43.9  | 41.2  | 36.4           | 36.4 | 34.2 | 34.0 |
| Net Income Per Dozen      | 2.9  | 9.4   | 4.0   | 11.5  | --             | 6.2  | 2.0  | 3.0  |
| Total Income Per Hen      | 9.68 | 11.79 | 10.29 | 11.48 | 7.77           | 9.08 | 8.03 | 7.44 |
| Total Cost Per Hen        | 9.15 | 10.05 | 9.53  | 9.28  | 7.78           | 7.90 | 7.63 | 5.53 |
| Farm Income Per Hen       | 2.42 | 3.68  | 2.30  | 3.68  | 1.01           | 2.46 | 1.81 | 1.91 |
| Management Income Per Hen | .53  | 1.74  | .76   | 2.20  | -.01           | 1.18 | .40  | .59  |

NINETEENTH ANNUAL  
POULTRY MANAGEMENT STUDY  
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Lloyd P. Sharp, Farm Advisor  
University of California  
Agricultural Extension Service  
Room 7, Post Office Building  
Riverside, California