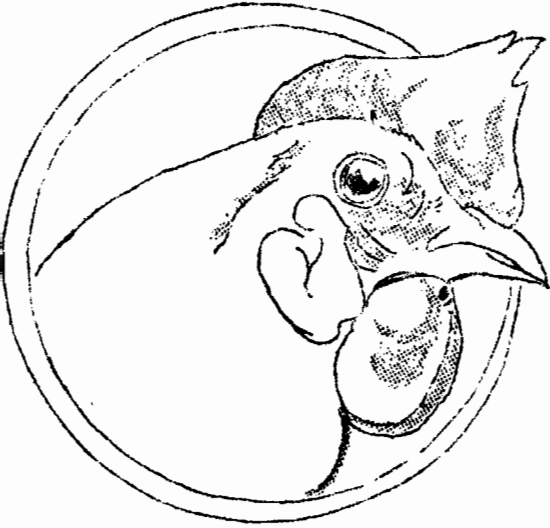


# POULTRY MANAGEMENT

## COST STUDY

1956



"GOOD MANAGEMENT  
PAYS DIVIDENDS"

UNIVERSITY OF CALIFORNIA  
AGRICULTURAL EXTENSION SERVICE  
RIVERSIDE COUNTY

Eighteenth Annual  
Poultry Management Study  
Riverside County

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# INTRODUCTION

This is the eighteenth annual report of the Riverside County Poultry Management Study covering the period from March 1, 1956 to February 28, 1957. It is conducted by the Agricultural Extension Service of the University of California in cooperation with local poultrymen. The purpose of the study is to develop information pertaining to the most profitable management practices on commercial egg ranches in Riverside County.

The study is based upon twenty individual poultry enterprises. It should not only encourage poultrymen to keep more accurate production cost records, but, help them in analyzing their poultry business by comparing their costs and management practices with other poultrymen. This often leads to changes in poultry management practices resulting in greater returns to the producer. With today's high operating costs and low egg prices, only the efficient operator can make money in the poultry business. The egg-feed ratio for last year was slightly better than in 1955.

An analysis of the tables which follow indicate the reason why some flocks were more profitable than others besides emphasizing the importance of using efficient management practices which are essential to profitable egg production.

Appreciation is hereby extended to the poultrymen who cooperated in this study and to (Mrs.) Lydia Bower for her help in preparing the statistical report.

INCOME AND EXPENSE PER HEN --- See Table I

Total Income, varied from a low of \$6.12 to a high of \$9.58 per hen for the year.

- (a) Income from egg sales was largely responsible for the wide variation with a low of \$6.06 to a high of \$8.76. This was because a few sold all or part of their eggs retail.
- (b) In a few instances there is a wide variation of income from poultry sales and change in stock inventory.

Total Costs, varied from a low of \$4.90 to \$7.62 per hen.

- (a) Feed costs, the largest single expense item, varied from a low of \$3.82 to a high of \$5.47 per hen.
- (b) Labor costs: Family labor, varied from a low of \$ .20 to a high of \$2.04 per bird.  
Hired labor, varied from zero to a high of \$ .77 per bird.

FLOCK STATISTICS AND PRODUCTION FACTORS --- See Table II

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

Feed estimated for pullets equals number of pullets raised to 5 months of age times 25, divided by the average number of hens in the flock.

Feed estimated for hens equals total feed used minus estimated feed used for 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.		
23	7.88	1.23	.05	-.73	8.43	4.79	.32	.26	.24	.18	5.79	2.64	.81	.35	6.95	1.48
12	6.45	.28	.02	1.30	8.05	4.47	.76	.27	.05	--	5.82	2.23	.88	.09	6.79	1.26
29	7.48	.28	.04	.59	8.39	4.65	.71	.26	.77	.47	6.86	1.53	.20	.32	7.38	1.01
2	6.90	.25	.07	.28	7.50	4.39	.44	.19	.05	.18	5.25	2.25	1.05	.25	6.55	.95
16	6.76	.36	.06	.27	7.45	3.82	.46	.42	.01	.62	5.33	2.12	.96	.24	6.53	.92
8	7.42	.40	.03	.38	8.23	4.98	.52	.38	--	.38	6.26	1.97	.96	.19	7.41	.82
1	6.19	.32	.01	.86	7.38	4.61	.45	.33	.06	.09	5.54	1.84	.96	.16	6.66	.72
11	6.92	.49	.06	-.07	7.40	4.43	.40	.33	--	.36	5.52	1.88	.91	.26	6.69	.71
10	7.53	.48	.04	-.02	8.03	4.69	.35	.54	.74	.47	6.79	1.24	.50	.17	7.46	.57
28	6.13	.33	.06	.11	6.63	3.97	.35	.34	--	.24	4.90	1.73	1.03	.14	6.07	.56
4	6.84	.40	.08	.26	7.58	4.27	.49	.40	.14	.40	5.70	1.87	1.21	.30	7.21	.37
3	6.70	.31	.05	.32	7.38	4.22	.41	.39	--	.46	5.48	1.90	1.50	.18	7.17	.21
21	6.91	.32	.02	.71	7.96	4.85	.70	.47	--	.28	6.30	1.66	1.27	.40	7.97	-.01
9	7.26	.53	.04	.60	8.43	5.39	.69	.51	--	.66	7.25	1.18	1.37	.23	8.85	-.42
6	8.76+	.51	.02	.29	9.58	5.47	.73	.80	.27	.35	7.62	1.96	1.98	.41	10.01	-.43
17	6.16	.39	.05	.15	6.75	3.99	.40	.52	--	.12	5.03	1.72	2.04	.18	7.25	-.50
19	6.22	.40	.04	-.08	6.58	5.32	.30	.37	--	--	5.99	.59	1.64	.10	7.73	-1.15
7	6.87	.51	--	.12	7.50	4.92	.61	.57	--	.50	6.60	.90	1.98	.33	8.91	-1.41
5	6.06	.18	.01	-.13	6.12	4.88	.30	.25	--	.18	5.61	.51	1.93	.16	7.70	-1.58
26	6.28	.40	.07	-.19	6.56	4.76	.30	.67	.73	.21	6.67	-.11	1.63	.28	8.58	-2.02
H10	7.59	.49	.05	.25	8.38	4.87	.50	.37	.21	.36	6.31	2.07	.89	.25	7.45	.93
L10	6.76	.39	.04	.24	7.43	4.67	.50	.49	.11	.30	6.07	1.36	1.61	.27	7.95	-.52
Avg.	7.29	.45	.05	.24	8.03	4.80	.50	.41	.17	.34	6.22	1.81	1.15	.26	7.63	.40

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			
23	C	W&L	Leghorn	4.6	167.8	103.4	.65	1.0	25.9	103.9	129.8	4.9	3.66	1.2
12	B	W	AW & WA	10.0	39.7	119.6	.70	.8	29.9	99.8	129.7	5.4	3.44	11.8
29	C	W	Leghorn	9.2	63.5	135.3	.45	.8	33.8	88.4	122.2	4.4	3.80	.3
2	C	W	Leghorn	12.0	52.6	103.2	.48	.9	25.8	93.9	119.7	5.1	3.64	6.3
16	C	W	White Leghorn	12.1	88.2	95.0	.40	.8	23.8	97.9	121.7	5.4	3.14	4.2
8	C	W	White Leghorn	7.2	82.0	97.4	.49	.8	24.4	105.9	130.3	5.4	3.80	5.2
1	C	L	White Leghorn	7.4	76.5	122.9	.41	.8	30.7	90.6	121.3	5.3	3.76	6.7
11	E	W	White Leghorn	6.4	100.7	101.4	.48	.7	25.4	100.5	125.9	5.1	3.51	3.7
10	C	W	Leghorn	7.4	109.2	118.3	.44	1.2	29.6	100.7	130.3	4.9	3.60	3.1
28	B	L	White Leghorn	4.6	76.3	105.4	.43	.8	26.4	83.5	109.9	4.7	3.61	.7
4	B	W	Leghorn	19.8	98.0	141.3	.41	1.1	35.3	79.8	115.1	4.2	3.64	1.1
3	B	W	White Leghorn	7.3	68.7	131.0	.45	1.2	32.8	85.4	118.2	4.5	3.57	2.6
21	B	W	White Leghorn	16.1	69.3	127.0	.46	1.0	31.8	97.5	129.3	5.1	3.75	4.5
9	A	W	Leghorn	8.5	97.5	122.4	.54	1.1	30.6	109.4	140.0	5.8	3.83	3.9
6	A	L	Leghorn	13.4	132.6	129.2	.38	1.8	32.3	86.9	119.2	5.1	4.20	15.0
17	C	L	White Leghorn	9.1	88.1	120.1	.42	1.6	30.0	80.0	110.0	4.4	3.61	6.4
19	A	L	White Leghorn	10.8	89.4	109.9	.44	1.3	27.5	109.5	137.0	6.2	3.87	.6
7	A	W	W & G Leghorn	12.9	115.8	148.1	.44	1.6	37.0	95.0	132.0	5.9	3.70	15.5
5	A	L	White Leghorn	1.0	41.9	85.8	.44	1.5	21.5	93.5	115.0	5.2	4.22	7.0
26	B	W&L	White Leghorn	23.8	97.7	136.5	.41	2.2	34.1	82.5	116.6	4.6	3.96	2.6
High	10			8.6	96.6	118.7	.50	.9	29.7	105.2	134.9	5.0	3.60	4.0
Low	10			13.7	88.1	126.2	.43	1.4	31.6	89.4	121.0	4.9	3.79	5.4
Avg.				10.5	93.5	121.4	.47	1.1	30.4	99.4	129.8	5.0	3.66	4.5

A - below 1500

B - 1501-3000

C - 3001-4500

D - 4501-6000

E - 6001-up

TABLE III - EGG PRODUCTION AND SALES

Serial No.	Eggs Per Hen	Per Cent Market Eggs Sold			Value Per Dozen		
		Large	Medium	Small	Avg. Price	Net Cost	Mgt. Income
23 W,L	258	62	29	9	37.0	30.0	7.0
12 W	221	66	28	6	35.1	28.2	6.9
29 W	246	68	24	8	37.2	32.2	5.0
2 W	231	75	20	5	37.4	32.3	5.1
16 W	240	77	20	3	37.1	32.0	5.1
8 W	239	85	13	2	37.7	33.6	4.1
1 L	217	62	27	11	36.1	31.9	4.2
11 W	236	64	28	8	35.2	31.6	3.6
10 W	247	65	25	10	36.9	34.1	2.8
28 L	217	54	32	14	34.4	31.3	3.1
4 W	226	50	35	15	36.3	34.4	1.9
3 W	238	63	27	10	35.5	34.4	1.1
21 W	232	63	26	11	36.9	37.0	-1
9 W	239	84	13	3	38.3	40.5	-2.2
6 L	213	54	34	12	51.1*	53.6	-2.5
17 L	218	46	35	19	34.1	36.8	-2.7
19 L	213	47	39	14	35.4	42.0	-6.6
7 W	202	66	27	7	42.8	51.6	-8.8
5 L	226	53	29	18	33.9	42.8	-8.9
26 W,L	224	54	33	13	34.7	45.9	-11.2
High 10	236	68	25	7	36.4	31.9	4.5
Low 10	225	55	30	15	36.0	38.8	-2.8
Avg.	232	64	26	10	36.2	34.2	2.0

\* 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 1949

	1949	1950	1951	1952	1953	1954	1955	1956
Number of Records	11	25	19	22	20	23	28	20
Average Number of Hens	1374	1237	1624	2158	2181	2805	2765	2693
Eggs Per Hen	209	217	218	227	230	234	234	232
Per Cent Mortality	15	15	12	12	10	10	11	11
Per Cent Culled	77	97	87	94	92	96	87	94
Hours Labor Per Hen	1.7	1.7	1.6	1.3	1.4	1.1	1.1	1.1
Pounds Feed Per Hen	135	142	147	142	144	133	130	130
Cost of Feed Per CWT	4.22	4.04	4.29	4.53	4.10	3.92	3.77	3.66
Average Price of Eggs	47.0	44.4	53.4	47.9	52.7	36.4	42.6	36.2
Net Cost Per Dozen	42.1	41.5	44.0	43.9	41.2	36.4	36.4	34.2
Net Income Per Dozen	4.9	2.9	9.4	4.0	11.5	—	6.2	2.0
Total Income Per Hen	9.75	9.68	11.79	10.29	11.48	7.77	9.08	8.03
Total Cost Per Hen	8.91	9.15	10.05	9.53	9.28	7.78	7.90	7.63
Farm Income Per Hen	2.45	2.42	3.68	2.30	3.68	1.01	2.46	1.81
Management Income Per Hen	.84	.53	1.74	.76	2.20	-.01	1.18	.40



6/27/57  
100 c.

UC Cooperative Extension