

1956 EGG

CONFIDENTIAL

STUDY

University of California  
Agricultural Extension Service  
Los Angeles County

# POULTRY EGG EFFICIENCY STUDY - 1956 REPORT

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## Definitions of Terms Used

Costs and Income - are based on totals for the year divided by the average number of birds over five months of age.

Interest - is based on average investment at 5 per cent.

Management Income- is total income minus all costs.

Farm Income - is the same as above, except family labor and interest on investment are not deducted.

Weighted Average - is a bird average. The ranch size compensates for the influence the number of birds has on the total income.

Example: 
$$\frac{\$58,800 \text{ (total income from all growers)}}{70,000 \text{ (total number of birds in study)}} = \$.84 \text{ income per bird}$$

# THE LAST SIX YEARS OF MANAGEMENT FOR LOS ANGELES COUNTY

	1951	1952	1953	1954	1955	1956
<b>Flock statistics</b>						
Number of records	18	14	17	12	10	17
Av. no. hens per flock	1395	1700	1920	2077	2216	4467
No. eggs laid per hen	227	222	227	235	244	233
% pullets	75	80	81			
% mortality and lost	13	10	10	10	11	15
% culled	105	90	85	96	98	73
<b>Physical inputs per hen</b>						
Pounds of feed	167	139	134	131	135	119
% of feed mash	91	91	91	94	95	100
<b>Hrs. of labor per hen</b>	1.8	1.2	1.3	1.5	1.4	.9
% of labor operator performed	72	79	80	80	79	55
<b>Av. cost all feed per cwt.</b>	\$4.25	\$4.56	\$4.22	\$4.08	\$3.72	\$3.83
<b>Feed-egg ratio</b>	13.0	10.2	12.6	9.8	11.4	10.8
<b>Av. price of cull hens</b>	\$1.01	\$ .71	\$ .80	\$ .65	\$ .74	\$ .52
<b>Av. price per doz. eggs</b>	55.3¢	47.0¢	54.2¢	39.9¢	42.4¢	41.3¢
<b>Net cost per dozen</b>	38.3	41.7	40.1	39.8	35.2	36.6
<b>Mgt. income per dozen</b>	17.0	5.3	14.1	.1	7.2	4.7

Egg feed ratio

$\frac{\text{Av. price/doz eggs}}{\text{Av. cost of feed/lb.}} = \frac{41.3 \text{ ¢}}{3.83 \text{ ¢}} = 10.8 \text{ lbs. of feed equals the cost of 1 doz. eggs.}$

# INCOME AND EXPENSE PER HEN - LOS ANGELES COUNTY - 1956

Ranch No.	Income per Hen					Cash and Depreciation Cost per Hen						Non-Cash Costs			
	Egg Sales	Poul. Sales	Manure & Sack Sales	Change in Stock Inventory	Total	Total Feed Costs	Chicks Bought	Misc. Costs	Depreciation	Hired Labor	Total Costs	Farm Income	Family Labor	Interest on Invest.	Management Income
1-E	\$8.37	\$ .77	\$ .06	\$ - .77	\$ 8.43	\$ 4.42	\$ .29	\$ .24	\$ .19	\$ .41	\$5.55	\$ 2.88	\$ .39	\$ .21	\$ 2.28
289-E	8.01	.60	.02	.15	8.78	4.43	.41	.39	.15	.02	5.40	3.38	.93	.25	2.20
263-E	7.95	.65	.04	.30	8.95	4.60	.53	.49	.24	.48	6.34	2.60	.37	.25	1.99
5-D	8.23	.36	.01	.05	8.65	4.68	.63	.26	.25	-	5.82	2.82	.65	.30	1.87
286-F	7.30	.41	.03	.69	8.43	4.78	.54	.25	.35	-	5.92	2.51	.57	.28	1.66
167-E	8.02	.43	.01	.34	8.80	4.81	.50	.21	.10	.21	5.83	2.97	1.23	.17	1.57
293-E	7.31	.49	.002	.21	8.01	4.62	.37	.60	.12	-	5.71	2.30	.68	.17	1.45
282-G	6.57	.10	.08	-.20	6.55	3.62	.15	.13	.26	.50	4.66	1.88	.22	.24	1.42
291-F	6.72	.10	-	-.41	6.41	3.75	.36	.39	-	.001	4.51	1.90	.67	.08	1.15
288-E	7.58	.70	.003	.40	8.68	5.46	.41	.43	.39	.20	6.89	1.79	.55	.48	.76
251-E	7.92	.38	.002	-.34	7.96	4.68	.33	.56	.28	.37	6.22	1.74	.97	.25	.52
177-D	7.04	.20	.03	-.13	7.14	4.78	.20	.37	.19	-	5.54	1.60	.93	.22	.45
12-D	7.21	.34	.08	.32	7.95	5.22	.45	.41	.20	-	6.29	1.67	1.63	.24	-.20
276-B	6.98	.54	.01	-.57	6.96	4.13	.46	.50	.31	-	5.40	1.55	1.50	.31	-.26
285-E	7.32	.44	.03	-.37	7.42	4.84	.43	.45	.34	.62	6.68	.73	.78	.35	-.39
279-D	6.70	.67	-	.46	7.83	5.58	.50	.37	.19	-	6.64	1.19	1.48	.22	-.51
280-G	7.34	.32	.05	-.04	7.67	4.94	.50	.47	.82	.94	7.67	-	(1).46	.62	-1.08
Av. All	7.34	.38	.04	.00	7.76	4.55	.40	.31	.34	.37	5.97	1.79	.61	.36	.82

(1) Resident Manager's Labor

Size of Flock: A under 500      E 2000-5000  
 B 500-1000      F 5000-10,000  
 C 1000-1500      G over 10,000  
 D 1500-2000

# MANAGEMENT COMPARISONS I

Ranch No.	Laying Flock			Price Per Culled Hen	Price Per Chick Bought	% Sexed Pullets	Hours Labor Per Hen	Lbs. Feed Per Hen	Price Mash Per Cwt.
	% Died	% Culled	% Added						
1-E	6	112	108	\$ .69	44.0¢	100	.7	128	\$3.45
289-E	13	86	115	.68	37.1	100	.9	110	3.99
263-E	9	92	106	.70	43.5	100	.9	131	3.52
5-D	10	102	122	.29	52.6	100	.7	124	3.74
286-F	9	94	113	.45	36.9	85	.6	123	3.90
167-E	16	107	126	.38	36.8	91	1.4	107	3.69
293-E	11	83	98	.59	36.6	100	.7	126	3.68
282-G	12	26	36	.33	40.4	100	.9	99	3.67
291-F	24	31	68	.35	(2) -	-	1.4	90	4.14
288-E	7	97	120	.69	30.6	100	.7	141	3.83
251-E	4	100	100	.38	36.8	100	.7	132	3.54
177-D	9	43	75	.52	34.6	100	.6	117	4.00
12-D	18	90	122	.38	37.8	100	1.6	133	3.92
276-B	8	132	111	.41	32.8	100	1.5	120	3.44
285-E	27	93	97	.45	41.8	100	1.4(3)	127	3.80
279-D	20	105	136	.62	31.4	100	1.5	133	4.17
280-G	12	64	68	.50	34.5	100	1.1	125	3.96
Av.All	13	73	87	.52	37.2	100	.9	119	3.83

27	101
29	81
26	105
30	94
28	95
31	76
25	101
9	90
-	90
30	111
25	107
19	98
30	103
28	92
24	103
34	99
17	108

(2) All replacement birds were "started" pullets approximately 5 mos. old

(3) Estimated

# MANAGEMENT COMPARISONS II

Ranch No.	No. Eggs Per Hen	Per Cent Sold		Value Per Dozen		
		Whole-sale	Retail	Average Price	Cost	Management Income
1-E	249	90	10	40.4 ¢	25.6 ¢	14.8 ¢
289-E	241	79	21	49.0	36.4	12.6
263-E	254	98	2	38.5	30.4	8.1
5-D	249	100	-	41.4	32.2	9.2
286-F	244	100	-	36.9	31.5	5.4
167-E	235	80	20	44.0	36.7	7.3
293-E	237	96	4	39.4	32.7	6.7
282-G	202	94	6	39.7	29.9	9.8
291-F	224	100	-	34.8	27.2	7.6
288-E	237	97	3	39.4	37.5	1.9
251-E	244	91	9	39.4	35.0	4.4
177-D	237	96	4	38.5	35.3	3.2
12-D	234	100	-	36.8	39.5	- 2.7
276-B	219	95	5	38.1	36.3	1.8
285-E	238	93	7	37.2	37.3	- .1
279-D	211	82	18	37.9	43.3	- 5.4
280-G	237	84	16	53.0	60.6	- 7.6
Av. All	233	94	6	41.2	36.6	4.6

Compare your operation with this hypothetical poultryman. This is what you could have made last year!

The columns below show the highest income and the lowest cost figures taken from the study on the preceding pages.

Income Per Hen					Cash Costs Per Hen						Farm Income	Non-cash Costs per Hen		Manage- ment Income
Egg Sales	Poultry Sales	Manure & Sack Sales	Change in stock Inventory	TOTAL	Total Feed Costs	Chicks Bought	Misc. Costs	Depre- ciation	Hired Labor	TOTAL		Family Labor	Int. on Invest.	
\$8.37	* .38	.08	* .0006	8.83	3.62	* .40	.13	.10	* .37	4.62	\$ 4.21	.22	* .36	3.63

\* Averages were taken for these columns because neither the high nor low figures apply.