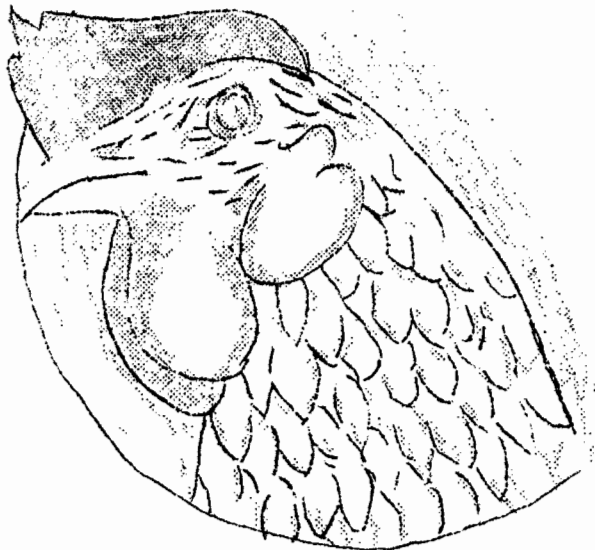


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1957

REPORT

POULTRY EGG

COST STUDY

SAN DIEGO COUNTY  
UNIVERSITY OF CALIFORNIA  
AGRICULTURAL EXTENSION SERVICE

PREPARED IN COOPERATION  
WITH SAN DIEGO COUNTY  
POULTRY INDUSTRY

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University of California  
Agricultural Extension Service  
Bldg. 1, 4005 Rosecrans Street  
San Diego 10, California

1957 POULTRY EGG COST STUDY  
SAN DIEGO COUNTY POULTRYMEN COOPERATING  
Prepared by Robert H. Adolph, Farm Advisor

The purpose of this study is to provide participating poultrymen and other poultrymen with a basis for improving efficiency of production by a comparison study of the records compiled. This report cannot be considered as representative of the industry in the county.

COMPARE YOUR RESULTS TO STUDY AVERAGES

Costs Per Average Hen

	<u>1957</u>	<u>1956</u>	<u>YOUR RESULTS</u>
Operation Costs			
Feed	\$ 3.91	\$ 4.22	_____
Chick Purchases	.44	.42	_____
Supplies, Taxes and Services	.45	.43	_____
Hired Labor	.47	.49	_____
-----			
Less Cost Credits			
Culls and Manure	.29	.40	_____
Stock Inventory Change	.23	.18	_____
-----			
Net Operation Costs Per Hen	4.75	4.98	_____
Overhead Costs			
Depreciation	.34	.35	_____
Interest on Investment 5%	.26	.26	_____
-----			
Total Net Operation and Overhead Costs	5.35	5.59	_____
Value Operator's Labor	.60	.64	_____
-----			
Net Cost of Egg Production Per Hen	5.95	6.23	_____
Net Cost of Egg Production Per Dozen Sold	30.8¢	32.1¢	_____

Sales and Returns Per Average Hen

Dozen Eggs Sold Per Hen	19.3	19.4	_____
Ave. Price Per Dozen Sold	36.3¢	38.4¢	_____
-----			
Egg Returns Per Hen	7.00	7.45	_____
Egg Returns Over Net Operations Cost	2.25	2.47	_____
Egg Returns Over Net Operations and Overhead Costs	1.65	1.86	_____
-----			
Management Income Per Hen	1.05	1.22	_____
Management Income Per Dozen Sold	5.5¢	6.3¢	_____

TABLE I (A) - DOLLAR COSTS PER AVERAGE HEN IN FLOCK DURING 1957

Rank Number	Operation Costs				Less Cost Credits		Net Operation Cost per Hen
	Feed	Chicks	Supplies Taxes & Services	Hired Labor	Culls & Manure	Stock Inventory Change	
FLOCK SIZE GROUP -- 7,000 to 20,000							
2	3.46	.48	.36	.73	.32	.07	4.64
11	3.89	.45	.66	.68	.28	.37	5.03
14	3.49	.32	.44	.56	.14	.19	4.48
15	3.44	.43	.50	.70	.50	.24	4.33
19	2.70	---	.18	.38	.13	-1.18	4.31
20	4.27	.57	.54	.42	.52	.28	5.00
21	3.70	.40	.59	1.05	.37	.29	5.08
28	4.63	.54	.27	.28	.10	.23	5.39
Ave. of "8"	3.78	.43	.46	.63	.29	.15	4.86
FLOCK SIZE GROUP -- 5,000 to 7,000							
1	3.91	.54	.34	.34	.38	.53	4.22
3	4.15	.41	.21	.36	.33	.27	4.53
4	3.57	.32	.39	.46	.35	.11	4.28
7	4.31	.56	.47	.46	.28	.53	4.99
9	4.30	.42	.61	.83	.19	.33	5.64
13	3.75	.40	.69	.63	.29	.19	4.99
25	3.76	.49	.51	.34	.28	.16	4.66
26	4.27	.39	.62	.47	.32	.54	4.89
30	3.76	.51	.44	.21	.21	.18	4.53
Ave. of "9"	3.99	.45	.47	.46	.31	.31	4.76
FLOCK SIZE GROUP -- 3,000 to 5,000							
5	3.75	.72	.40	.02	.17	.88	3.84
6	3.72	.38	.43	---	.41	-.12	4.24
8	3.78	.20	.44	.17	.48	-.78	4.89
16	4.38	.40	.27	.41	.41	.05	5.01
18	4.26	.40	.53	.50	.39	-.03	5.33
22	3.90	.23	.21	.03	.20	.11	4.06
24	3.84	.28	.48	.23	.22	.20	4.41
27	4.51	.42	.40	.10	.22	.99	4.22
29	3.85	.43	.44	.07	.27	-.11	4.63
33	3.97	.74	.74	.41	.19	.48	5.19
Ave. of "10"	4.01	.43	.42	.19	.29	.20	4.56
FLOCK SIZE GROUP -- to 3,000							
10	3.98	.29	.40	.45	.34	-.16	4.94
12	3.45	.21	.23	.11	.20	-.21	4.01
17	4.80	1.04	.70	.09	.10	2.69	3.84
23	4.05	.56	.26	---	.31	.44	4.12
31	4.16	.36	.48	.20	.35	.10	4.75
32	3.51	.24	.43	.42	.15	.12	4.33
34	4.61	.69	.37	---	.27	1.14	4.26
35	4.19	.49	.66	.09	.33	.19	4.91
36	5.82	.86	.91	.01	.74	.27	6.58
Ave. of "9"	4.22	.52	.47	.19	.28	.60	4.52

TABLE I (B) - DOLLAR COSTS PER AVERAGE HEN IN FLOCK DURING 1957

Rank Number	Net Operation Cost	Overhead Costs		Total Net Operation & Overhead	Value Operator's Labor	Net Cost Egg Prod.	
		Depre- ciation	Interest on Invest.			per Hen	per doz. cents
FLOCK SIZE GROUP -- 7,000 to 20,000							
2	4.64	.42	.23	5.29	.30	5.59	27.2
11	5.03	.36	.30	5.69	.21	5.90	29.1
14	4.48	.24	.30	5.02	.16	5.18	28.9
15	4.33	.34	.24	4.91	.38	5.29	29.9
19	4.31	.41	.08	4.80	.33	5.13	31.2
20	5.00	.47	.25	5.72	.46	6.18	31.3
21	5.08	.32	.25	5.65	.13	5.78	31.4
28	5.39	.30	.27	5.96	.61	6.57	33.5
Ave. of "8"	4.86	.36	.25	5.47	.32	5.79	30.4
FLOCK SIZE GROUP -- 5,000 to 7,000							
1	4.22	.11	.29	4.62	.32	4.94	25.9
3	4.53	.27	.27	5.07	.30	5.37	26.4
4	4.28	.28	.28	4.84	.72	5.56	27.9
7	4.99	.27	.26	5.52	.32	5.84	28.9
9	5.64	.33	.29	6.26	.37	6.63	30.4
13	4.99	.18	.22	5.39	.72	6.11	31.5
25	4.66	.33	.26	5.25	.73	5.98	32.7
26	4.89	.87	.38	6.14	.46	6.60	33.0
30	4.53	.25	.24	5.02	.86	5.88	33.1
Ave. of "9"	4.76	.32	.28	5.36	.53	5.87	29.9
FLOCK SIZE GROUP -- 3,000 to 5,000							
5	3.84	.29	.18	4.31	1.04	5.35	27.2
6	4.24	.16	.17	4.57	1.32	5.88	30.2
8	4.89	.22	.21	5.32	.96	6.30	30.3
16	5.01	.34	.32	5.67	.33	6.00	30.5
18	5.33	.49	.31	6.13	.49	6.61	31.5
22	4.06	.34	.30	4.70	1.29	6.00	32.0
24	4.41	.31	.24	4.96	.93	5.90	32.1
27	4.22	.31	.15	4.68	1.76	6.43	33.6
29	4.63	.38	.17	5.18	.94	6.11	33.3
33	5.19	.51	.43	6.13	1.17	7.29	36.4
Ave. of "10"	4.56	.34	.25	5.15	1.01	6.16	31.6
FLOCK SIZE GROUP -- to 3,000							
10	4.94	.28	.26	5.48	1.12	6.60	32.9
12	4.01	.24	.29	4.54	1.82	6.36	33.2
17	3.84	.72	.60	5.16	1.19	6.36	31.8
23	4.12	.06	.26	4.44	1.77	6.21	30.9
31	4.75	.21	.21	5.17	1.51	6.67	34.6
32	4.33	.20	.30	4.83	.90	5.73	36.7
34	4.26	.30	.31	4.87	2.08	6.95	36.1
35	4.91	.25	.25	5.41	1.99	7.40	37.4
36	6.58	.34	.28	7.20	2.60	9.80	48.2
Ave. of "9"	4.52	.31	.32	5.15	1.53	6.68	34.5

APPENDIX A. - 1957 EGG COST STUDY

Rank Number	All Feed Includes Replacement				Hired and Operator's Labor		
	Lbs. per Hen	Cost per 100 lbs. dollars	Lbs. per dozen Eggs	Cost per dozen Eggs cents	Hours per Hen	Cost per Hen dollars	Cost per doz. cents
FLOCK SIZE GROUP -- 7,000 to 20,000							
2	105	3.29	5.1	16.8	.80	1.03	5.1
11	113	3.44	5.6	19.2	.69	.89	4.4
14	102	3.44	5.7	19.5	.74	.74	4.1
15	101	3.40	5.7	19.4	.77	1.09	6.1
19	80	3.30	5.1	16.5	.50	.71	4.3
20	123	3.47	6.2	21.6	.53	.87	4.4
21	117	3.48	6.4	20.1	.94	1.18	6.4
28	129	3.59	6.6	23.6	.68	.88	4.5
Ave. of "8"	110	3.46	5.8	19.9	.72	.96	5.0
FLOCK SIZE GROUP -- 5,000 to 7,000							
1	110	3.55	5.2	20.5	.67	.66	3.5
3	118	3.52	5.8	20.4	.63	.66	3.3
4	106	3.39	5.3	17.9	.85	1.18	5.9
7	131	3.28	6.5	21.3	.68	.78	4.9
9	127	3.39	5.8	19.7	1.16	1.20	5.5
13	112	3.35	5.8	19.3	1.15	1.36	7.0
25	112	3.36	6.1	20.6	.80	1.07	5.9
26	125	3.43	6.3	21.3	1.15	.93	4.6
30	107	3.49	6.1	21.1	.77	1.07	6.0
Ave. of "9"	117	3.41	5.9	20.3	.87	.99	5.0
FLOCK SIZE GROUP -- 3,000 to 5,000							
5	108	3.46	5.5	19.2	.71	1.06	5.3
6	110	3.39	5.6	19.1	.88	1.32	6.8
8	111	3.42	5.3	18.1	.81	1.13	5.4
16	133	3.29	6.7	22.2	.64	.74	3.8
18	126	3.38	6.0	20.3	.82	.99	4.7
22	118	3.31	6.3	20.8	.89	1.32	7.1
24	113	3.40	6.1	20.9	.91	1.16	6.2
27	129	3.50	6.7	23.6	1.28	1.86	9.7
29	114	3.38	6.2	21.0	.70	1.01	5.5
33	115	3.45	5.8	19.8	1.36	1.58	7.8
Ave. of "10"	118	3.38	6.0	20.5	.90	1.22	6.2
FLOCK SIZE GROUP -- to 3,000							
10	118	3.38	5.9	19.8	1.14	1.57	7.8
12	102	3.37	5.3	18.0	1.51	1.93	10.1
17	139	3.47	6.9	24.0	.91	1.28	6.3
23	118	3.45	5.9	20.2	1.18	1.77	8.8
31	121	3.43	6.3	21.6	1.20	1.71	8.8
32	105	3.34	6.2	21.1	1.02	1.32	7.8
34	135	3.41	7.0	23.9	1.39	2.08	10.8
35	122	3.44	6.2	21.2	1.36	2.08	10.6
36	127	4.59	6.2	28.5	1.74	2.61	12.8
Ave. of "9"	121	3.46	6.2	21.8	1.19	1.72	8.9

TABLE II - SALES AND RETURNS PER AVERAGE HEN IN FLOCK DURING 1957

Rank Number	Cents		Dollars			Management Income	
	Total Doz. Sold per Hen	Average Price per doz. eggs sold	Egg Returns per Hen	Egg Returns Over net costs	Egg Returns Over net operation & overhead	All Returns per Hen Dollars	less all Costs per doz. eggs sold cents
FLOCK SIZE GROUP -- 7,000 to 20,000							
2	20.6	37.1	7.63	2.99	2.34	2.04	9.9
11	20.3	35.9	7.27	2.24	1.58	1.37	6.8
14	17.9	35.8	6.34	1.85	1.31	1.15	6.4
15	17.8	36.0	6.39	2.06	1.48	1.10	6.2
19	16.4	37.3	6.12	1.84	1.35	.99	6.0
20	19.8	35.7	7.05	2.04	1.33	.87	4.4
21	18.4	35.9	6.60	1.51	.95	.82	4.5
28	19.6	35.9	7.05	1.67	1.10	.48	2.4
Ave. of "8"	19.0	36.1	6.87	2.01	1.40	1.08	5.7
FLOCK SIZE GROUP -- 5,000 to 7,000							
1	19.1	37.2	7.11	2.89	2.49	2.17	11.4
3	20.4	35.5	7.23	2.70	2.16	1.86	9.1
4	19.9	37.2	7.38	3.10	2.54	1.82	9.1
7	20.2	36.3	7.33	2.34	1.81	1.49	7.4
9	21.8	31.1	8.08	2.44	1.82	1.45	6.7
13	19.4	37.6	7.31	2.32	1.92	1.19	6.1
25	18.3	36.6	6.68	2.02	1.43	.70	3.8
26	20.0	36.3	7.26	2.37	1.12	.66	3.3
30	17.8	35.1	6.24	1.71	1.22	-.36	2.0
Ave. of "9"	19.6	36.4	7.12	2.37	1.77	1.24	6.3
FLOCK SIZE GROUP -- 3,000 to 5,000							
5	19.6	35.9	7.02	3.19	2.72	1.67	8.5
6	19.5	38.1	7.43	3.19	2.86	1.54	7.9
8	20.8	37.3	7.76	2.86	2.43	1.47	7.1
16	19.7	35.7	7.05	2.06	1.40	1.06	5.5
18	21.0	36.2	7.61	2.29	1.49	1.00	4.8
22	18.7	36.0	6.75	2.68	2.04	.75	4.0
24	18.4	35.6	6.55	2.14	1.59	.66	3.6
27	19.1	36.7	7.02	2.80	2.34	.58	3.0
29	18.3	35.7	6.54	1.91	1.36	.43	2.3
33	20.0	37.2	7.45	2.26	1.32	.15	.7
Ave. of "10"	19.5	36.4	7.10	2.54	1.95	.94	4.8
FLOCK SIZE GROUP -- to 3,000							
10	20.1	40.0	8.04	3.10	2.56	1.44	7.2
12	19.2	39.9	7.65	3.65	3.12	1.29	6.7
17	20.0	36.9	7.38	3.54	2.22	1.02	5.1
23	20.1	34.2	6.88	2.76	2.44	.67	3.3
31	19.3	36.3	7.00	2.25	1.83	.33	1.7
32	17.0	36.0	6.06	1.73	1.23	.33	1.9
34	19.2	36.9	7.10	2.84	2.23	.15	.8
35	19.8	34.4	6.80	1.90	1.40	-.59	-3.0
36	20.4	41.0	8.35	1.77	1.15	-1.46	-7.2
Ave. of "9"	19.4	37.5	7.26	2.74	2.11	.58	3.0

APPENDIX B. - 1957 EGG COST STUDY

Rank Number	Eggs per Hen	Percentage of Average Flock				% Large Sold	Cost per chick	% Chick Loss of Purchase
		Died	Culled & Died	Total Added	Increase - Decrease			
FLOCK SIZE GROUP -- 7,000 to 20,000								
2	247	22	96	108	12	71	.54	0
11	246	11	83	84	1	--	.37	1
14	220	15	69	83	14	--	.35	1
15	221	19	86	95	9	72	.36	2
19	203	15	55	16	- 39	82	---	--
20	232	11	102	103	1	76	.39	7
21	222	14	93	101	8	63	.33	6
28	240	11	72	113	41	66	.42	22
Ave. of "8"	230	15	85	93	8	70	.39	7
FLOCK SIZE GROUP -- 5,000 to 7,000								
1	233	6	93	125	32	68	.30	9
3	249	15	75	107	32	68	.37	3
4	243	9	85	103	18	67	.30	3
7	246	12	85	129	44	77	.39	0
9	266	7	105	102	- 3	--	.39	2
13	238	24	96	100	4	64	.37	2
25	223	20	90	116	26	73	.33	9
26	244	4	77	96	19	70	.38	0
30	219	14	65	88	23	70	.37	9
Ave. of "9"	240	12	86	108	22	70	.37	4
FLOCK SIZE GROUP -- 3,000 to 5,000								
5	235	13	59	116	57	72	.42	3
6	231	13	103	106	3	70	.38	0
8	251	15	92	100	8	69	.36	7
16	235	7	96	106	10	77	.38	0
18	256	9	94	92	- 2	81	.35	1
22	227	17	67	82	15	75	.32	5
24	229	10	74	61	- 13	--	.30	6
27	236	9	53	70	17	--	.28	6
29	229	21	102	93	- 9	70	.41	11
33	243	22	78	146	68	62	.51	4
Ave. of "10"	237	13	80	96	16	68	.38	4
FLOCK SIZE GROUP -- to 3,000								
10	242	11	93	87	- 6	--	.33	0
12	237	13	64	93	29	64	.46	5
17	243	12	40	222	182	63	.44	10
23	242	15	112	155	43	--	.49	6
31	237	15	90	109	19	71	.38	4
32	206	15	57	70	13	66	.30	20
34	237	12	83	132	49	71	.39	7
35	231	16	95	126	31	73	.39	1
36	248	18	120	182	62	--	.33	3
Ave. of "9"	235	14	79	128	49	68	.41	7