



1958

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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C O M P A R E Y O U R R E S U L T S

1958 POULTRY EGG COST STUDY

SAN DIEGO COUNTY POULTRYMEN COOPERATING

Prepared by Robert H. Adolph, Farm Advisor

Improving efficiency of production is of primary concern to those engaged in the business of producing eggs. The purpose of this study is to provide participating poultrymen and other poultrymen of San Diego County with a basis for accomplishing this by comparison of their own results with the averages of the records compiled.

This report cannot be considered as representative of the poultry industry of San Diego County. It is representative of 42 of the better ranches in the County. The total laying birds on these 42 ranches were 269,902 or 6426 layers per ranch.

<u>PRODUCTION AND EGG SALES</u>	<u>1957</u> Study Average	<u>1958</u> Study Average	<u>Your</u> <u>Results</u>
Average Rate of Lay	64%	66%	_____
Number Eggs Produced per Average Hen	235	239	_____
Per cent of Eggs sold Large and Extra Large	70%	68%	_____
Price Received per Dozen Eggs Sold	36.3¢	37.0¢	_____
Dozen Sold per Average Layer	19.3	19.8	_____
Net Cost of Producing a Dozen Eggs	30.8¢	28.3¢	_____

LAYING FLOCK DATA

	Per Cent	Per Cent	Per Cent
Average Per cent of Pullets $5\frac{1}{2}$ to 18 months in Flock during study year	82	84	_____
Average Per cent of Hens over 18 months in Flock during study year	18	16	_____
Per cent of Average Flock during study year			
Died	14	14	_____
Culled	68	79	_____
Added	100	105	_____
Net Replacement Rate	91	99	_____

INCOME AND COSTS PER AVERAGE LAYER ON HAND

	<u>1957</u> <u>Study</u> <u>Ave.</u>	<u>1958</u> <u>Study</u> <u>Ave.</u>	<u>Your</u> <u>Results</u>
	<u>DOLLARS PER HEN</u>		
EGG INCOME	\$ 7.00	\$ 7.32	_____
Operational Costs	5.27	5.28	_____
Less By-Product Credits	.52	.61	_____
NET OPERATIONAL COSTS	4.75	4.67	_____
EQUALS FARM INCOME	2.25	2.65	_____
LESS OVERHEAD AND FAMILY LABOR COSTS	1.20	.92	_____
EQUALS MANAGEMENT INCOME	1.05	1.73	_____
OPERATIONAL COSTS INCLUDE			
Feed including Replacements per Hen	3.91	3.80	_____
Total Cost of Chicks per Average Hen	.44	.48	_____
Supplies, Taxes, and Services per Hen	.45	.52	_____
Hired Labor per Hen	.47	.48	_____
BY-PRODUCT CREDITS INCLUDE:			
Cull Sales per Hen	.29	.34	_____
Increase in Inventory Value	.23	.27	_____
OVERHEAD COSTS INCLUDE:			
Depreciation	.34	.29	_____
Interest	.26	.25	_____
Family Labor	.60	.38	_____
CHICKS			
Costs per Each	.40	.40	_____
% Loss of Chicks includes Extras	10%	10%	_____
AVERAGE PRICE RECEIVED PER CULL SOLD	\$.40	\$.46	_____
FEED INCLUDES REPLACEMENTS			
Pounds per Hen	114	115	_____
Dollar Cost per 100 Pounds	\$3.45	\$3.31	_____
Cents Cost per Dozen Sold	20.2	19.3	_____
Pounds per Dozen Eggs Sold	5.9	5.8	_____
ALL LABOR - HIRED AND FAMILY LABOR			
Hours per Average Layer	.96	.78	_____
Dollar Cost Labor per Hen	1.07	.86	_____

TABLE I - PRODUCTION AND EGG SALES - 1958

Rank & Size	Ave. Rate of Lay % Pro- duction	No. Eggs Prod. per Ave. Hen 365 days	% Sold Large & Extra Lg.	PER DOZEN EGGS SOLD		
				Price Rec'd Cents	Dozen Sold Per Hen	Net Cost Cents
1 C	66	242	67	38.4	19.2	22.9
2 C	68	247	61	36.0	20.9	22.8
3 B	69	250	68	37.5	20.7	24.8
4 A	70	254	--	40.6	21.2	29.0
5 B	67	246	67	37.1	20.4	25.3
6 C	66	240	61	35.9	19.6	24.0
7 C	72	261	--	36.9	21.6	26.5
8 B	68	247	76	37.1	20.4	26.0
9 C	69	251	66	36.3	20.6	25.6
10 A	67	246	--	45.2	20.2	34.5
11 A	66	242	70	36.9	19.8	26.1
12 A	59	216	61	37.2	17.8	25.2
13 A	65	237	80	38.5	19.7	28.0
14 B	65	238	64	37.2	19.5	26.5
15 B	64	233	77	36.6	19.3	26.3
16 C	65	237	68	37.4	19.5	27.2
17 A	63	231	73	37.7	19.0	27.4
18 C	65	238	64	38.0	19.8	28.2
19 B	66	249	81	38.0	20.3	28.5
20 B	74	271	--	38.5	22.6	30.0
21 B	69	252	--	37.1	20.8	29.2
22 A	61	222	72	38.3	18.2	29.3
23 A	66	242	--	34.1	20.1	26.7
24 A	67	243	63	36.8	20.3	29.4
25 C	64	233	67	37.0	19.1	29.6
26 B	59	214	75	36.7	17.8	29.0
27 B	65	236	63	37.8	19.5	30.7
28 B	62	226	65	35.7	18.9	28.4
29 B	65	238	66	37.1	19.9	30.2
30 B	64	233	62	36.7	19.1	29.5
31 A	62	225	--	38.0	18.4	31.4
32 B	66	239	77	37.3	19.7	31.2
33 B	66	240	--	35.3	20.0	29.5
34 A	64	232	76	36.6	19.1	30.4
35 B	66	240	73	38.1	19.7	32.8
36 A	67	251	64	35.8	20.5	30.7
37 C	59	216	68	36.4	18.1	30.8
38 C	68	248	--	36.7	20.7	32.3
39 B	63	231	58	35.4	18.9	30.8
40 A	62	226	58	35.2	18.9	31.0
41 C	64	232	--	38.4	19.1	35.5
42 A	64	233	69	35.5	19.4	33.3
Average All 1958 6426 Hens	66	239	68	37.0	19.8	28.3

Size A = Up to 4,000 layers; B = 4,000 - 8,000; C = over 8,000.

TABLE II - LAYING FLOCK DATA - 1958

Rank & Size	Type Housing*	% AVERAGE OF HENS ON HAND		PER CENT OF AVERAGE FLOCK				
		Pullets 5½ to 18 months	Birds over 18 months of age	Died	Culled	Added	Net replacement rate	
		%	%	%	%	%	%	
1	C	WP	84	16	14	68	98	90
2	C	MC	98	2	10	65	100	88
3	B	WP	86	14	8	92	87	94
4	A	SC	89	11	11	96	107	107
5	B	MC	76	24	8	69	91	84
6	C	MC	89	11	16	57	94	84
7	C	MC	90	10	12	91	119	111
8	B	SC	93	7	7	88	102	99
9	C	MC	85	15	10	70	96	88
10	A	SC	84	16	19	113	92	112
11	A	MC	81	19	20	58	98	88
12	A	WP	69	31	17	96	100	107
13	A	MC	83	17	16	50	114	90
14	B	MC	81	19	19	68	87	87
15	B	MC	76	24	18	55	95	84
16	C	SC	82	18	10	97	90	99
17	A	MC	89	11	16	55	103	87
18	C	WP	88	12	21	80	103	102
19	B	SC	86	14	12	79	91	95
20	B	SC	98	2	8	105	102	108
21	B	MC	73	27	9	94	119	111
22	A	WP	77	23	19	72	67	79
23	A	SC	75	25	10	71	84	83
24	A	MC	82	18	21	58	99	89
25	C	WP	81	19	12	68	113	92
26	B	MC	81	19	14	96	116	113
27	B	MC	91	9	18	90	112	110
28	B	MC	89	11	14	92	138	122
29	B	WP	84	16	26	62	120	104
30	B	WP	87	13	12	90	110	106
31	A	MC	76	24	14	94	124	116
32	B	SC	85	15	12	53	90	78
33	B	MC	84	16	13	84	91	94
34	A	MC	81	19	18	85	103	103
35	B	SC	86	14	25	56	101	91
36	A	MC	88	12	8	80	96	92
37	C	MC	85	15	20	84	92	98
38	C	SC	92	8	12	99	128	120
39	B	MC	80	20	14	85	116	108
40	A	MC	82	18	15	54	111	90
41	C	MC	80	20	24	86	139	125
42	A	MC	80	20	28	82	124	117
Average All 1958			84	16	14	79	105	99

* 50% or more of Birds housed. S.C. = Single Cage; M.C. = 2 to 6 Birds per Cage; W.P. = Wire Pens over 6 Birds per pen.

TABLE III - INCOME AND COSTS PER AVERAGE HEN - 1958

Rank & Size*	Egg Income Per Hen \$ Dollars	Less		Net Operational Costs \$ per Hen	Equals Farm Income \$ per Hen	Less Overhead & Family Labor Cost per Hen	Equals Management Income per Hen \$
		Operational Costs \$ per Hen	By-Product Credits \$ per Hen				
1 C	7.39	4.66	1.00	3.66	3.72	.73	3.00
2 C	7.52	4.24	.37	3.87	3.65	.88	2.77
3 B	7.76	4.39	.23	4.16	3.60	.97	2.63
4 A	8.58	5.63	.70	4.93	3.65	1.20	2.45
5 B	7.43	4.89	.86	4.03	3.40	1.05	2.35
6 C	7.02	4.74	.56	4.18	2.84	.51	2.33
7 C	7.96	5.68	.68	5.00	2.96	.71	2.25
8 B	7.55	5.36	.59	4.77	2.78	.53	2.25
9 C	7.49	5.12	.43	4.70	2.79	.59	2.20
10 A	9.13	6.72	1.84	4.87	4.26	2.12	2.14
11 A	7.32	4.87	.98	3.89	3.43	1.28	2.14
12 A	6.60	4.84	1.40	3.44	3.16	1.04	2.12
13 A	7.58	6.49	1.72	4.77	2.81	.71	2.10
14 B	7.25	4.97	.34	4.63	2.62	.54	2.08
15 B	7.06	4.55	.68	3.87	3.19	1.19	2.00
16 C	7.30	5.06	.65	4.41	2.89	.90	1.99
17 A	7.15	4.44	.63	3.81	3.34	1.39	1.95
18 C	7.54	5.22	.43	4.79	2.75	.79	1.95
19 B	7.72	5.25	.32	4.93	2.79	.86	1.93
20 B	8.68	6.36	.58	5.78	2.90	1.01	1.89
21 B	7.72	5.61	.83	4.78	2.94	1.29	1.65
22 A	6.98	4.34	-.27	4.61	2.37	.73	1.64
23 A	6.86	4.05	.30	3.75	3.11	1.61	1.50
24 A	7.46	5.12	.63	4.49	2.97	1.47	1.50
25 C	7.05	5.18	.43	4.75	2.30	.89	1.41
26 B	6.55	4.70	.39	4.31	2.24	.85	1.39
27 B	7.38	5.41	.19	5.22	2.16	.78	1.39
28 B	6.72	5.27	1.47	3.80	2.92	1.54	1.38
29 B	7.39	5.75	.79	4.96	2.43	1.06	1.38
30 B	6.99	5.70	1.12	4.58	2.41	1.05	1.36
31 A	7.00	6.58	1.47	5.11	1.89	.68	1.21
32 B	7.35	5.26	.43	4.83	2.52	1.32	1.20
33 B	7.06	4.80	.44	4.36	2.71	1.53	1.17
34 A	6.97	5.12	.39	4.73	2.24	1.06	1.17
35 B	7.50	6.10	.50	5.60	1.90	.86	1.04
36 A	7.33	5.14	.42	4.72	2.61	1.58	1.02
37 C	6.57	4.91	.03	4.88	1.69	.68	1.01
38 C	7.59	6.26	.55	5.71	1.88	.98	.90
39 B	6.68	5.58	.64	4.94	1.74	.88	.86
40 A	6.65	4.98	.83	4.15	2.50	1.70	.80
41 C	7.35	6.92	.92	6.00	1.35	.79	.56
42 A	6.87	5.98	1.20	4.79	2.08	1.65	.43
Average All 1958	7.32	5.28	.61	4.67	2.65	.92	1.73

*Rank based on order of Management Income

A - .60
 B - .42
 C - .62

APPENDIX A

Rank & Size	Operational Costs Include				By-Product Credits	
	Feed \$ per Hen	Chicks \$ per Hen	Supplies Taxes & Services	Hired Labor \$ per Hen	Culls Sold \$ per Hen	Difference in Inventory Value
1 C	3.51	.50	\$.33	.31	.28	.72
2 C	3.48	.34	.18	.24	.33	.04
3 B	3.44	.30	.21	.44	.42	-.19
4 A	4.22	.53	.43	.45	.42	.28
5 B	3.84	.41	.33	.31	.35	.51
6 C	3.34	.31	.23	.87	.23	.33
7 C	3.90	.46	.65	.67	.39	.29
8 B	4.25	.42	.15	.53	.38	.21
9 C	3.83	.34	.44	.51	.26	.17
10 A	4.46	.87	1.12	.27	.51	1.33
11 A	3.87	.47	.52	.01	.27	.71
12 A	3.70	.33	.45	.36	.40	1.00
13 A	4.24	.81	.55	.89	.25	1.47
14 B	3.91	.35	.29	.42	.28	.06
15 B	3.90	.40	.20	.05	.24	.44
16 C	4.00	.66	.17	.24	.38	.27
17 A	3.77	.43	.24	.05	.23	.40
18 C	3.59	.52	.43	.68	.32	.11
19 B	3.91	.37	.46	.50	.32	---
20 B	4.42	.46	.51	.97	.40	.18
21 B	4.25	.59	.39	.38	.42	.41
22 A	3.17	.08	.24	.85	.35	-.62
23 A	3.55	.34	.11	---	.32	-.02
24 A	3.98	.50	.51	.13	.25	.38
25 C	3.50	.39	.59	.70	.27	.16
26 B	3.53	.64	.51	.02	.36	.03
27 B	3.54	.30	.51	1.06	.38	-.19
28 B	3.88	.69	.29	.41	.40	1.07
29 B	3.79	.70	.76	.50	.27	.52
30 B	3.90	.69	.68	.43	.41	.71
31 A	3.79	.63	1.45	.72	.37	1.10
32 B	4.04	.42	.48	.31	.29	.14
33 B	3.99	.40	.18	.22	.39	.05
34 A	4.08	.41	.48	.15	.33	.06
35 B	4.25	.58	.72	.55	.27	.23
36 A	4.11	.42	.61	---	.33	.09
37 C	3.52	.28	.54	.57	.34	-.31
38 C	4.34	.60	.80	.52	.57	-.02
39 B	4.02	.69	.53	.34	.41	.23
40 A	3.72	.58	.67	.01	.24	.59
41 C	3.33	.70	2.43	.46	.31	.61
42 A	4.20	.63	1.04	.11	.38	.82
Average All 1958	3.80	.48	.52	.48	.34	.27

A - 23.6
 B - 24.7
 C - 24.6

APPENDIX B

Rank & Size	Overhead and Family Labor per Hen			Chick Cost per each \$	% Loss of Chicks	Average Price Received per Cull - \$
	\$ Depreciation	\$ Interest	\$ Family Labor			
1 C	.30	.28	.15	.35	12	.41
2 C	.32	.24	.32	.41	4	.49
3 B	.27	.26	.44	.35	5	.46
4 A	.30	.27	.63	.39	8	.44
5 B	.24	.29	.52	.37	7	.45
6 C	.22	.18	.10	.34	4	.40
7 C	.32	.28	.12	.38	4	.43
8 B	.20	.22	.11	.40	5	.43
9 C	.18	.21	.20	.39	7	.35
10 A	.32	.35	1.43	.38	5	.45
11 A	.37	.20	.72	.34	8	.46
12 A	.18	.25	.61	.32	6	.39
13 A	.22	.27	.23	.38	2	.51
14 B	.21	.25	.08	.37	9	.44
15 B	.25	.26	.68	.34	10	.42
16 C	.35	.19	.36	.45	17	.44
17 A	.21	.29	.89	.42	5	.42
18 C	.33	.22	.24	.48	5	.43
19 B	.35	.20	.31	.40	5	.40
20 B	.44	.33	.24	.40	5	.39
21 B	.35	.32	.62	.45	7	.42
22 A	.14	.13	.45	.45	4	.50
23 A	.35	.30	.96	.41	4	.45
24 A	.41	.21	.86	.43	12	.43
25 C	.27	.22	.40	.33	12	.40
26 B	.08	.17	.60	.40	17	.37
27 B	.16	.19	.42	.38	9	.43
28 B	.35	.29	.90	.38	7	.43
29 B	.47	.33	.26	.48	10	.44
30 B	.36	.23	.46	.47	7	.45
31 A	.30	.19	.18	.34	10	.41
32 B	.36	.33	.63	.43	11	.54
33 B	.35	.30	.88	.39	5	.47
34 A	.39	.15	.53	.36	12	.37
35 B	.32	.29	.25	.45	17	.47
36 A	.39	.24	.95	.48	1	.41
37 C	.23	.29	.16	.37	11	.42
38 C	.27	.33	.37	.43	19	.55
39 B	.34	.23	.31	.36	6	.48
40 A	.13	.22	1.35	.43	6	.44
41 C	.23	.27	.29	.45	10	.40
42 A	.29	.24	1.12	.31	9	.48
Average All 1958	.29	.25	.38	.40	10	.46

A B C
 3.33
 3.35
 3.26

A - 1.39
 B - .9
 C - .65

APPENDIX C - FEED AND LABOR

Rank & Size	FEED INCLUDES REPLACEMENTS AND LAYERS				LABOR - HIRED & FAMILY	
	Pounds per Hen	\$ Cost per Cwt.	¢ Costs per dozen sold	Pounds per dozen eggs sold	Hours per Hen	\$ Cost Labor per Hen
1 C	110	3.24	18.2	5.5	.47	.46
2 C	112	3.09	16.7	5.4	.54	.56
3 B	105	3.27	16.6	5.0	.89	.88
4 A	127	3.32	20.0	6.0	1.16	1.08
5 B	112	3.44	19.2	5.5	.83	.83
6 C	102	3.26	17.1	5.1	.50	.97
7 C	116	3.36	18.1	5.3	.57	.79
8 B	130	3.27	20.9	6.3	.64	.64
9 C	116	3.31	20.6	5.5	.71	.71
10 A	127	3.52	22.1	6.2	1.71	1.70
11 A	116	3.35	19.5	5.7	.73	.73
12 A	114	3.24	20.8	6.5	.97	.97
13 A	123	3.46	21.6	6.2	1.12	1.12
14 B	111	3.54	20.0	5.6	.52	.52
15 B	116	3.38	20.2	6.0	.73	.73
16 C	124	3.20	20.5	6.2	.60	.60
17 A	116	3.25	19.8	6.0	.89	.94
18 C	108	3.33	19.8	5.4	.80	.92
19 B	119	3.30	19.2	5.7	.81	.81
20 B	135	3.27	19.6	6.0	1.24	1.21
21 B	120	3.55	20.4	5.7	.97	1.00
22 A	99	3.20	17.4	5.4	.96	1.30
23 A	110	3.22	17.7	5.5	.96	.96
24 A	123	3.23	20.3	6.1	.98	.99
25 C	108	3.23	19.1	5.7	.80	1.30
26 B	106	3.34	19.8	5.9	.62	.62
27 B	111	3.19	18.1	5.7	1.37	1.48
28 B	118	3.28	20.6	6.3	1.31	1.31
29 B	113	3.48	19.0	5.7	.95	.76
30 B	130	3.14	20.5	6.7	.89	.89
31 A	116	3.27	20.6	6.2	.76	.90
32 B	118	3.43	20.5	5.9	.94	.94
33 B	122	3.26	20.0	6.1	1.11	1.10
34 A	126	3.25	21.4	6.5	.68	.68
35 B	119	3.58	19.7	5.9	.83	.80
36 A	114	3.60	20.1	5.5	.95	.95
37 C	108	3.26	19.5	6.0	.63	.73
38 C	128	3.39	20.9	6.2	.80	.89
39 B	121	3.32	21.3	6.3	.65	.65
40 A	111	3.37	19.7	5.9	1.37	1.36
41 C	95	3.49	17.4	4.9	.73	.75
42 A	124	3.39	21.6	6.4	1.24	1.23
Average All 1958	115	3.31	19.3	5.8	.78	.86