

1961 - SAN DIEGO COUNTY EGG COST STUDY

With Comparisons for 1960 and 1959 ---

Prepared by Robert H. Adolph in Cooperation  
with Egg Producers of San Diego  
County

Thirty-five of the 37 records presented in this study are from poultry egg producers who house layers on wire floor cages and pens. Two of the cooperators have floor pens. Of the 35 records, 7 had individual cages, 3 - wire floor pens, and the rest housed the majority of their layers in cages allowing 4 inches of cage frontage per layer. For example, 12-inch wide cages 3 birds, 16-inch wide cages 4 birds, and 24-inch wide cages 6 layers. Cages are 16 to 18 in. deep.

Replacements were mostly scheduled 3 to 6 times during the year, and housed on an age group rotation basis. Six of the cooperators purchased some started pullets mostly to supplement pullets grown on their own ranch. Stock used by producers was the leghorn type except for three cooperators who had crosses of the leghorn stock. Feed for replacements was estimated at 24 pounds per pullet replacement. Feed used was all mash with milo as the principal grain ingredient and all calcium and grit were included in the mash.

The major method of brooding chicks was the "sunshine brooder" on wire; however, many of the larger ranches have converted over to floor brooding for the first 6 to 16 weeks of age.

Almost all of the producers included Newcastle, Laryngotracheitis, Bronchitis, and Pox in their vaccination programs. Heaviest mortality losses occurred with Laryngotracheitis disease outbreaks. Coryza was a problem on several ranches. Some of these ranches are now including killed coryza vaccinations in their growing stock.

TABLE I. DOLLAR CASH COSTS PER AVERAGE LAYER - 365 HEN DAY BASIS

Column Number on Individual Results	1961 Average	1960 Average	1959 Average	3 Year Average	Your Average
Average Flock Size**	13,364	9,478	7,177	10,006	
Number of Records	37	32	40	109	
1. Feed (Net cash cost per layer)	\$ 3.47	\$ 3.30	\$ 3.72	\$ 3.50	
2. Replacement (Chick cost per av. layer)	.41	.42	.48	.43	
3. Supplies, Taxes & Misc. Cash costs)	.38	.43	.42	.41	
4. Hired Labor at cost	.46	.42	.38	.42	
5. Total Cash cost per av. Layer	\$ 4.72	\$ 4.57	\$ 5.00	\$ 4.76	
6. Less Income from Culls	- .21	- .20	- .25	- .22	
7. Less Inventory Value of Stock Increase	-.14	-.19	-.10	-.14	
8. Net Cash Cost of Egg Production	\$ 4.37	\$ 4.18	\$ 4.65	\$ 4.40	
Other Costs (usually Non-Cash)					
9. Depreciation (based on reported Income Tax rate)	.25	.30	.29	.28	
10. Interest (6% on land, stock, feed & deprec. value Bldg. & Equip.)	.21	.27	.26	.24	
11. Family Labor - 1.25 per hour	.20	.31	.44	.32	
12. Management Labor @ 10% Egg Sales	.62	.66	.60	.63	
13. Total Other Costs (usually non-cash)	\$ 1.28	\$ 1.54	\$ 1.59	\$ 1.47	
14. Total All Costs of Egg Production	\$ 5.65	\$ 5.72	\$ 6.24	\$ 5.87	

Average Flock Size\*\* - on individual records - A = 3,000 to 5,000; B = 5,000- 10,000; C = 10,000 - 15,000; D = 15,000 and over.

Records are arranged according to total cost of egg production per dozen.

TABLE II. CENTS COSTS PER DOZEN EGGS PRODUCED

CENTS

Refer to Column No. on Individ. Results	<u>1961</u> Average	<u>1960</u> Average	<u>1959</u> Average	<u>Three Year</u> Average	<u>Your</u> Average
1. Feed	16.9	16.6	18.5	17.3	_____
2. Replacement Stock	2.0	2.1	2.4	2.2	_____
3. Supplies, Taxes & Misc. Cash Costs	1.9	2.2	2.1	2.1	_____
4. Hired Labor	2.2	2.1	1.9	2.0	_____
6.&					
7. Less Income not Egg Income	- 1.7	- 2.0	- 1.7	- 1.8	_____
8. Net Cash Cost Egg Production	<u>21.3</u>	<u>21.0</u>	<u>23.2</u>	<u>21.8</u>	_____
13. Total Other usually Non-Cash	<u>6.2</u>	<u>7.7</u>	<u>7.9</u>	<u>7.3</u>	_____
14. Total All Costs of Egg Production	<u>27.5</u>	<u>28.7</u>	<u>31.1</u>	<u>29.1</u>	_____
<u>Per Cent of Average Flock</u>	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
15. Died	13	13	14	13	_____
16. Culled	75	71	82	76	_____
17. Added	105	96	107	103	_____
18. Net Replacement Rate	97	90	102	96	_____
19. Per Cent Chick Loss including Extras	10	8	9	9	_____

TABLE III Egg Production, Feed, and Other Factors of Production Costs

Column Number on Individual Results	<u>1961</u> Average	<u>1960</u> Average	<u>1959</u> Average	<u>Three Year</u> Average	<u>Your</u> Average
1. Number of Eggs Produced per Av. Layer	246	241	243	243	_____
2. Dozen Eggs Produced per Av. Layer	20.5	20.1	20.3	20.3	_____
3. Av. Price Received Wholesale Eggs Only	31.5¢	33.3¢	29.8¢	31.5¢	_____
4. % Large & Extra Lg. Sold Wholesale	71%	70%	68%	70%	_____
6. Feed per Layer only	91#	89#	90#	90#	_____
7. Feed per Layer incl. Replcmt. Stock	115#	114#	115#	115#	_____
8. Pounds Feed per dozen Layers only	4.4#	4.5#	4.5#	4.5#	_____
9. Pounds Feed per doz. incl. Replcmts.	5.6#	5.7#	5.7#	5.7#	_____
10. Av. Net Cost of Feed per 100 Lbs.	\$ 3.02	\$ 2.90	\$ 3.23	\$ 3.05	_____
11. Cost per Chick each	\$ .36	\$ .39	\$ .43	\$ .39	_____
12. Income per each Cull Sold	\$ .29	\$ .27	\$ .30	\$ .29	_____
13. Hours Labor per Hen-Home & Hired Labor	.53	.58	.66	.59	_____
14. Cost Labor Home & Hired & Management per Hen	\$ 1.28	\$ 1.39	\$ 1.42	\$ 1.36	_____

TABLE I.		DOLLAR CASH COSTS PER AVERAGE LAYER 365 HEN DAYS								OTHER COSTS USUALLY NON-CASH					
Column		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Rank No. & Size	Feed	Re- place- ment Stock	Sup- plies Taxes etc.	Hired Labor	Total Cash per Hen	Less Culls	Income not Egg	Invent. Cr. or Debit	Net Cash Cost /Hen	Depre- ciation	Int. on Invest.	Family Labor	Mgmt. Labor @ 3¢ per dz.	Total Non- Cash	Total All Cost per Hen
1 D	3.30	.40	.32	.31	4.33	.17		.32	3.84	.18	.19	.08	.63	1.08	\$ 4.92
2 C	3.31	.35	.31	.23	4.20	.21	-	.01	4.00	.29	.21	.30	.65	1.45	5.45
3 A	3.43	.30	.26	.50	4.49	.21	-	.02	4.30	.11	.19	.14	.64	1.08	5.38
4 D	3.48	.40	.20	.25	4.33	.21		.04	4.08	.22	.15	.22	.62	1.21	5.29
5 C	3.48	.48	.33	.33	4.62	.21		.33	4.08	.17	.22	.10	.60	1.09	5.17
6 D	3.49	.30	.23	.58	4.60	.28		.07	4.39	.24	.26	.03	.64	1.17	5.56
7 C	3.57	.45	.29	.40	4.71	.18		.42	4.11	.29	.21	.20	.62	1.32	5.43
8 C	3.58	.32	.38	.32	4.60	.14		.43	4.03	.21	.22	.28	.60	1.31	5.34
9 C	3.40	.36	.38	.53	4.67	.21		.10	4.36	.26	.19	.22	.64	1.31	5.67
10 C	3.51	.41	.49	.60	5.01	.27		.14	4.60	.19	.21	---	.63	1.03	5.63
11 D	3.59	.48	.48	.38	4.93	.14		.60	4.19	.23	.22	.27	.62	1.34	5.53
12 A	3.59	.40	.32	.14	4.35	.26		.35	3.74	.24	.15	.57	.59	1.55	5.29
13 B	3.86	.47	.46	.34	5.13	.28		.42	4.43	.21	.23	.13	.63	1.20	5.63
14 D	3.76	.58	.56	.46	5.38	.14		.80	4.42	.38	.24	.14	.63	1.37	5.80
15 B	3.70	.42	.43	.49	5.04	.15		.78	4.10	.24	.32	.35	.59	1.50	5.60
16 B	3.67	.47	.43	---	4.57	.26		.35	3.96	.12	.24	.65	.59	1.60	5.56
17 A	3.53	.45	.30	.06	4.34	.15		.33	3.86	.20	.20	.75	.59	1.74	5.60
18 B	3.43	.36	.48	.47	4.74	.19		.04	4.59	.25	.20	---	.60	1.05	5.64
19 B	3.51	.37	.43	.50	4.81	.21	-	.07	4.67	.25	.25	---	.61	1.12	5.79
20 B	3.56	.37	.32	.07	4.32	.23		.23	3.86	.23	.23	.77	.59	1.82	5.68
21 A	3.56	.38	.33	.24	4.52	.31		.05	4.14	.14	.23	.58	.59	1.54	5.68
22 A	3.63	.47	.44	---	4.54	.21		.34	3.99	.27	.28	.92	.63	2.10	6.09
23 A	2.98	---	.19	.03	3.20	.30	-	1.38	4.28	.27	.15	.55	.60	1.57	5.85
24 B	3.85	.29	.28	.23	4.65	.33		.08	4.40	.26	.26	.42	.61	1.54	5.96
25 B	3.16	.83	.46	.63	4.87	.21		.08	4.58	.36	.22	.06	.60	1.24	5.82
26 B	3.48	.38	.44	.48	4.78	.12		.48	4.18	.24	.20	.39	.57	1.40	5.58
27 B	3.48	.39	.80	.60	5.27	.19		.24	4.84	.29	.24	.35	.65	1.53	6.37
28 A	3.93	.45	.46	---	4.84	.17		.27	4.40	.23	.34	.83	.65	2.05	6.45
29 A	3.64	.46	.54	.28	4.92	.24		.17	4.51	.40	.40	.51	.65	1.96	6.47
30 A	3.55	.36	.48	.13	4.52	.11		.13	4.28	.24	.16	.55	.59	1.54	5.82

TABLE I. DOLLAR CASH COSTS PER AVERAGE LAYER 365 HEN DAYS --- continued

Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Rank No. & Size	Feed	Re- place- ment Stock	Sup- plies Taxes etc.	Hired Labor	Total Cash per Hen	Less Culls	Income not Egg Invent. Cr. or Debit	Net Cash Cost /Hen	OTHER COSTS USUALLY NON-CASH				Total Non- Cash	Total All Cost per Hen
									Depre- ciation	Int. on Invest.	Family Labor	Mgmt. Labor @ 3¢ per dz.		
31 B	3.67	.41	.32	.54	4.94	.24	---	4.70	.52	.17	.22	.63	1.54	6.24
32 B	3.37	.45	.47	1.05	5.32	.24	.11	4.97	.27	.20	.25	.63	1.35	6.32
33 C	3.29	.24	.55	1.15	5.23	.22	.04	5.05	.25	.21	.08	.62	1.16	6.21
34 C	3.53	.42	.72	.44	5.11	.13	.32	4.66	.48	.23	.18	.59	1.48	6.14
35 C	2.75	.85	.43	.47	4.50	.18	.11	4.21	.61	.34	.21	.56	1.72	5.93
36 D	3.10	.29	.60	.55	4.54	.17	-.56	4.93	.19	.18	.07	.56	1.00	5.93
37 D	3.88	.78	.56	.81	6.03	.11	.59	5.33	.10	.16	.29	.60	1.15	6.48
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1961 Average	3.47	.41	.38	.46	4.72	.21	.14	4.37	.25	.21	.20	.62	1.28	5.65

Column	TABLE II. CENTS COSTS PER DOZEN EGGS PRODUCED													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
Rank No. & Size	Feed	Re- place- ment Stock	Sup- plies Taxes etc.	Hired Labor	Less Income not Egg	Net Cash Egg Cost	Other Costs Usually Non-Cash	Total All Costs Eggs	% AVERAGE FLOCK					19
	Died	Cull	Add	Net Reple- ment	Chick Loss									
1 D	15.7	1.9	1.5	1.5	- 2.4	18.2	5.1	23.4	11	69	103	92	4	
2 C	15.2	1.6	1.4	1.1	- 1.0	18.3	6.7	25.0	11	85	93	95	1	
3 A	16.2	1.4	1.2	2.4	- .9	20.3	5.1	25.4	12	75	89	88	3	
4 D	16.9	1.9	1.0	1.2	- 1.2	19.8	5.8	25.6	17	70	99	93	17	
5 C	17.4	2.4	1.6	1.6	- 2.6	20.4	5.4	25.8	14	77	100	96	8	
6 D	16.5	1.4	1.1	2.7	- 1.0	20.7	5.5	26.2	10	88	110	104	5	
7 C	17.3	2.2	1.4	1.9	- 2.9	19.9	6.4	26.3	13	67	91	86	6	
8 C	17.8	1.6	1.9	1.6	- 2.8	20.1	6.5	26.6	12	54	97	82	4	
9 C	16.1	1.7	1.8	2.4	- 1.5	20.5	6.1	26.6	9	84	113	103	5	
10 C	16.6	1.9	2.4	2.8	- 1.9	21.8	4.9	26.7	9	96	99	102	4	
11 D	17.4	2.3	2.3	1.9	- 3.6	20.3	6.5	26.8	16	67	119	101	5	
12 A	18.4	2.0	1.6	7.2	- 3.1	19.1	7.9	27.0	16	83	108	104	9	
13 B	18.6	2.3	2.2	1.6	- 3.4	21.3	5.8	27.1	11	82	90	92	4	
14 D	18.0	2.8	2.7	2.1	- 4.5	21.1	6.6	27.7	11	52	145	104	10	
15 B	18.6	2.1	2.1	2.5	- 4.7	20.6	7.5	28.1	13	54	95	81	4	
16 B	18.7	2.4	2.2	0.0	- 3.1	20.2	8.1	28.3	9	84	96	95	8	
17 A	17.8	2.3	1.5	0.3	- 2.4	19.5	8.8	28.3	24	59	101	92	6	
18 B	17.2	1.8	2.4	2.3	- 0.8	23.0	5.3	28.3	19	80	103	101	5	
19 B	17.2	1.8	2.1	2.5	- 0.6	23.0	5.4	28.4	17	79	93	95	7	
20 B	17.9	1.8	1.6	.4	- 2.3	19.4	9.2	28.6	17	78	109	102	12	
21 A	18.1	1.9	1.7	1.2	- 1.8	21.1	7.8	28.9	14	78	85	89	8	
22 A	17.3	2.2	2.1	0.0	- 2.6	19.0	10.0	29.0	15	67	124	103	7	
23 A	14.8	0.0	.9	.1	+ 5.3	21.1	7.9	29.0	9	110	21	66	-	
24 B	18.8	1.4	1.4	1.1	- 1.2	21.5	7.5	29.0	12	90	108	105	12	
25 B	15.9	3.1	2.3	3.2	- 1.5	23.0	6.2	29.2	13	89	85	94	4	
26 B	18.3	2.0	2.3	2.5	- 3.1	22.0	7.3	29.3	10	47	80	74	8	
27 B	16.1	1.8	3.7	2.8	- 2.0	22.4	7.0	29.4	8	70	90	84	5	
28 A	18.0	2.1	2.1	0.0	- 2.0	20.2	9.4	29.6	10	78	111	100	2	
29 A	16.7	2.1	2.5	1.3	- 1.9	20.7	9.0	29.7	14	74	114	101	9	
30 A	18.2	1.9	2.4	.7	- 1.2	22.0	7.9	29.9	12	67	94	87	7	
31 B	17.7	2.0	1.5	2.6	- 1.2	22.6	7.4	30.0	12	106	108	113	10	
32 B	16.0	2.1	2.2	5.0	- 1.7	23.6	6.4	30.0	11	88	94	97	5	
33 C	15.9	1.2	2.6	5.5	- 0.8	24.4	5.6	30.0	9	75	90	87	5	
34 C	17.8	2.1	3.7	2.2	- 2.3	23.5	7.5	31.0	21	71	113	103	11	
35 C	14.7	4.6	2.3	2.5	- 1.6	22.5	9.2	31.7	12	81	116	105	7	
36 D	16.7	1.6	3.2	2.9	+ 2.1	26.5	5.4	31.9	13	70	78	81	34	
37 D	19.4	3.9	2.8	4.0	- 3.5	26.6	5.7	32.3	23	39	160	111	14	
<u>1961 Average</u>														
	16.9	2.0	1.9	2.2	- 1.7	21.3	6.2	27.5	13	75	105	97	10	

TABLE III

## EGG PRODUCTION, FEED AND OTHER FACTORS OF PRODUCTION COSTS

Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	EGG PRODUCTION				FEED POUNDS		EGG FEED RATIOS			PER HEN				
Rank No. & Flock Size**	Eggs Prod. per Hen	Doz. Prod. per Hen	Ave. Price Whlse only	% Large Whlse only	% Prod. Sold Whlse	Per Layer only	Per Layer incl. replc.	Layers only	Layers incl. Replc-ments	Ave. Cost All Feed /CWT	Cost per Chick each	Cull In-come each	Hours Labor Home & Hired	Labor Cost Hired & Home Mgmt.
1 D	253	21.1	32.0¢	73	99	85	110	4.0	5.2	\$ 2.99	\$ .39	\$ .25	.31	\$ 1.02
2 C	261	21.8	31.2	71	95	91	114	4.2	5.2	2.91	.38	.26	.40	1.18
3 A	254	21.2	32.1	75	92	94	116	4.5	5.5	2.97	.38	.28	.63	1.28
4 D	248	20.6	----	79	94	95	118	4.6	5.7	2.95	.34	.33	.37	1.09
5 C	241	20.1	30.8	61	93	93	116	4.6	5.8	3.00	.45*	.33	.37	1.03
6 D	254	21.2	----	80	99	89	114	4.2	5.4	3.05	.34	.32	.53	1.25
7 C	248	20.6	30.8	65	100	96	122	4.6	5.9	2.93	.33	.25	.52	1.22
8 C	241	20.1	----	--	----	99	122	4.9	5.6	2.93	.33	.25	.50	1.20
9 C	253	21.3	31.0	68	99	90	116	4.2	5.4	2.94	.32	.25	.53	1.39
10 C	253	21.1	31.4	75	97	91	116	4.3	5.5	3.03	.48*	.28	.52	1.23
11 D	248	20.6	31.2	72	99	86	117	4.2	5.7	3.07	.32	.21	.52	1.27
12 A	235	19.6	30.4	65	96	91	120	4.7	6.1	3.03	.31	.29	.47	1.30
13 B	251	20.9	32.1	73	98	99	127	4.8	6.1	3.04	.40	.34	.41	1.10
14 D	251	20.9	32.0	73	98	94	130	4.5	6.2	2.90	.35	.29	.48	1.23
15 B	239	19.9	31.3	65	77	83	117	4.2	5.9	3.18	.35	.31	.68	1.43
16 B	236	19.7	31.7	68	68	94	122	4.8	6.2	3.01	.36	.32	.52	1.24
17 A	238	19.8	30.1	64	94	88	114	4.5	5.8	3.10	.34	.25	.69	1.40
18 B	239	19.9	30.9	64	94	89	114	4.5	5.7	3.00	.35	.25	.41	1.07
19 B	245	20.4	33.1	88	96	95	118	4.7	5.8	2.99	.38	.27	.47	1.11
20 B	236	19.7	32.9	73	92	90	117	4.5	5.9	3.05	.31	.29	.67	1.43
21 A	236	19.7	31.6	75	93	99	121	5.0	6.2	2.93	.36	.27	.70	1.41
22 A	252	21.0	31.4	71	78	94	124	4.5	5.9	2.91	.40	.30	.74	1.55
23 A	242	20.2	32.9	87	98	101	102	5.0	5.1	2.91	---	.27	.43	1.18
24 B	245	20.5	32.1	80	83	100	127	4.9	6.2	3.02	.29	.36	.53	1.26
25 B	239	19.9	31.0	--	99	85	102	4.3	5.1	3.09	.65*	.25	.50	1.29
26 B	229	19.1	31.9	67	97	88	111	4.6	5.8	3.13	.36	.26	.67	1.44
27 B	259	21.6	32.0	74	98	92	117	4.3	5.4	3.07	.35	.28	.76	1.60
28 A	262	21.8	30.4	64	88	93	119	4.3	5.4	3.31	.42	.21	.67	1.48

TABLE III		EGG PRODUCTION, FEED AND OTHER FACTORS OF PRODUCTION COSTS --- Continued													
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	EGG PRODUCTION				FEED POUNDS			EGG FEED RATIOS			PER HEN				
Rank No. & Flock Size**	Eggs Prod. per Hen	Doz. Prod. per Hen	Ave. Price Whsle only	% Large Whsle only	% Prod. Sold Whsle	Per Layer only	Per Layer incl. replc- mts.	Layers only	Layers incl. Replc- mts.	Ave. Cost All Feed /CWT	Cost per Chick each	Cull In- come each	Hours Labor Home & Hired	Labor Cost Hired & Home Mgmt.	
29 A	262	21.8	----	--	--	89	117	4.1	5.4	3.12	.37	.32	.72	\$ 1.44	
30 A	234	19.5	32.7	81	86	102	120	5.2	6.2	2.96	.36	.17	.57	1.27	
31 B	248	20.7	31.7	75	94	93	119	4.5	5.8	3.09	.35	.23	.64	1.39	
32 B	253	21.1	31.0	70	88	89	113	4.2	5.4	2.97	.43	.27	1.08	1.93	
33 C	249	20.7	30.9	68	98	89	109	4.3	5.3	3.02	.34	.30	.98	1.85	
34 C	238	19.8	30.7	68	96	91	118	4.6	6.0	2.99	.35	.19	.73	1.21	
35 C	224	18.7	----	--	--	81	98	4.3	5.2	2.80	.87*	.27	.64	1.24	
36 D	223	18.6	32.0	--	100	82	99	4.4	5.3	3.14	.37*	.26	.28	1.18	
37 D	240	20.0	30.8	62	97	100	124	5.0	6.2	3.12	.70*	.32	.78	1.70	
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<u>1961 AVERAGE</u>															
	246	20.5	31.5	71	--	91	115	4.4	5.6	3.02	.36	.29	.53	1.28	

\* Includes Started Pullets