

1962 - SAN DIEGO COUNTY EGG COST STUDY
With Comparisons for 1960 and 1961

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In Cooperation with Egg Producers of San Diego County

This study comprises the results from 28 specialized commercial egg producing ranches. Most of the birds used were of the white leghorn strains. Cage housing of one bird per 4 inches of cage frontage was the general rule in 16 to 18 inch deep cages. Two operators had litter floor pens and five producers had a major part of their laying flock kept on wire floor pens of 20 to 50 birds per pen depending on the size of pen.

Particular note is made of six cooperators who used started pullets for replacements. Three of these used started pullets exclusively. The started pullet ranches averaged 10 cents less per 100 pounds for feed cost since they did not have to purchase higher chick and grower rations. No conclusions may be made as to which is the most profitable because of a limited number of comparisons available. The started pullet replacement costs appeared to be higher; however, these costs tended to be offset with lower hired labor and other cash costs.

Replacements were scheduled mostly on the basis of three to six times during the year. Feed used for replacements was calculated at 24 pounds for day old chicks and 12 pounds for started pullets. This calculation provided a basis for estimating actual pounds and cost of feed for egg production exclusive of replacement pullets.

The 1962 Study started with 411,756 birds on the beginning inventory of 28 cooperators completing the study year. At the end of the year these 28 had 527,283 layers on hand or a 25% increase over the average for the year of 457,267 layers. This amounts to 16,331 average size of flock for the 28 cooperators within a range of 2,000 to 100,000 layers in the flocks.

A comparison of the Study years 1960 and 1961 with the 1962 study along with individual records comprise the information compiled for the four tables presented. The Study is calculated on the basis of 365 "Hen Days" per layer and on the total dozens of eggs produced. Only eggs sold on a wholesale basis were used in calculating average price. The per cent Large Sold is not indicative of actual per cent large production unless most of the production was sold wholesale. Retail egg sales are usually the large sizes and this tends to cut down the per cent Large Sold wholesale and the average price received wholesale.

Please feel free to call the Farm Advisor's Office for information on results and evaluation of your own poultry ranch operation. Poultrymen are also invited to contact the Poultry Farm Advisor if they are interested in participation in the San Diego County Egg Cost Study.

TABLE I IMPORTANT FACTORS CONTRIBUTING TO COST OF PRODUCTION AND INCOME

Column	1	2	3	4	5	6	7	8	9	10	11	12	13
Rank & Size**	No. Eggs Prod. per Av. Layer	Av. per dozen rec'd Wholesale only - ¢	% Large & Extra Lg. sold Wholesale	% Prod. Sold Whole-sale	FEED POUNDS		EGG FEED RATIOS		Ave. Cost All Feed-cwt	Cost per day-old chicks	Cull Income each	PER AVERAGE LAYER	
					Per Layer only	Per Layer incl. replc.	Layers only Pounds	Layers incl. replc.				Labor Home & Hired Hours	Home & Hired Labor & Mgmt.
1 C	254	29.0¢	76	93	86	108	4.1	5.1	\$ 3.04	\$.44	\$.22	.45	\$ 1.07
2 D	246	---	75	100	87	112	4.2	5.5	3.04	.32	.25	.33	1.00
3 D	253	---	63	100	89	123	4.2	5.8	3.10	.31	.20	.40	1.14
4 B	251	29.0	67	70	94	122	4.5	5.8	3.01	.36	.32	.45	1.18
5 D	240	28.2	68	100	86	112	4.3	5.6	3.11	.35	.22	.44	1.15
6 B	248	28.3	69	91	88	111	4.3	5.4	3.07	.41	.21	.43	1.15
7 D*	233	28.2	65	93	90	112	4.6	5.8	3.04	.34*	.21	.33	.97
8 A	243	28.4	72	96	92	118	4.5	5.8	3.10	.32	.29	.46	1.18
9 B	241	29.1	73	98	88	112	4.4	5.6	3.09	.31	.25	.65	1.42
10 B	251	30.2	87	92	94	118	4.5	5.6	3.05	.37	.23	.40	1.02
11 D	250	29.2	74	100	85	109	4.1	5.3	3.11	.41	.24	.32	1.04
12 A	281	25.3	47	95	101	164	4.3	7.0	3.05	.34	.19	.64	1.51
13 A	250	29.4	78	94	99	122	4.8	5.9	2.98	.35	.25	.54	1.26
14 C*	252	29.3	72	98	89	103	4.2	4.9	2.94	S.P.*	.21	.36	1.09
15 B*	264	28.6	66	99	91	120	4.2	5.4	2.94	S.P.*	.27	.48	1.29
16 C	259	29.5	76	98	96	125	4.5	5.8	3.12	.43	.31	.37	1.09
17 A	247	---	--	--	88	110	4.3	5.3	3.13	.36	.30	.65	1.43
18 C	235	28.2	65	83	81	101	4.2	5.1	3.17	.36	.28	.52	1.35
19 B	250	29.5	71	97	93	121	4.5	5.8	3.03	.35	.27	.60	1.45
20 B*	252	29.6	77	95	90	103	4.3	4.9	2.96	S.P.*	.27	.38	1.05
21 B	253	29.7	81	94	98	120	4.7	5.7	2.92	.39	.28	.56	1.32
22 A	226	29.9	81	88	100	115	5.3	6.1	3.00	.36	.16	.54	1.22
23 B	227	27.8	--	93	86	108	4.6	5.7	3.25	.44	.21	.52	1.13
24 D	227	29.4	72	95	88	118	4.7	6.3	3.04	.37	.26	.58	1.35
25 B*	239	28.1	64	87	82	98	4.1	4.9	3.14	.36*	.22	.49	1.76
26 C	233	28.3	65	98	101	132	5.2	6.8	3.09	.43	.22	.49	1.15
27 C	228	28.9	75	100	91	101	4.8	5.3	3.10	.35	.25	.76	1.52
28 D*	249	29.2	76	97	105	138	5.1	6.7	3.26	.40*	.24	.81	1.73
1962 Av.	245	28.9	72	95	90	115	4.4	5.6	3.08	.35	.23	.46	1.19
1961 Av.	246	31.5	71	--	91	115	4.4	5.6	3.02	.36	.29	.53	1.28
1960 Av.	241	33.3	70	--	89	114	4.5	5.7	2.90	.39	.27	.58	1.39

* = Cost of Started Pullets \$1.32 to \$1.40 - Av. Cost of \$1.34 each.

** = Flock Size: 2,000 - 5,000 = A; 5,000 - 10,000 = B; 10,000 - 20,000 = C; Over 20,000 = D.

TABLE II

DOLLAR CASH COSTS PER AVERAGE LAYER (365 HEN DAYS)

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	Less Culls	Income not Egg Invent. Cr. or Debit	Net Cash Cost /Hen	OTHER COSTS USUALLY NON-CASH						
								Depre- ciation	Int. on Invest- ment 6%	Family Labor	Mgmt Cost @ 10% Egg Income	Total Non Cash	Total All Cost /Hen	Cost per dz, eggs prod.
1 C	3.28	.19	.20	.19	-.16	-.01	3.99	.22	.18	.24	.64	1.28	5.27	24.8
2 D	3.41	.35	.25	.38	-.20	-.19	4.00	.22	.25	---	.62	1.09	5.09	24.8
3 D	3.81	.51	.53	.43	-.09	-1.13	4.06	.22	.27	.08	.63	1.20	5.26	24.9
4 B	3.67	.37	.36	.06	-.25	-.30	3.91	.10	.22	.50	.62	1.44	5.35	25.6
5 D	3.49	.41	.34	.41	-.10	-.43	4.12	.26	.26	.14	.60	1.26	5.38	26.9
6 B	3.40	.40	.45	.53	-.15	-.10	4.53	.20	.23	---	.62	1.05	5.58	27.0
7 D*	3.41	.59	.38	.32	-.10	-.34	4.26	.19	.18	.07	.58	1.02	5.28	27.2
8 A	3.66	.34	.30	.04	-.24	-.01	4.09	.21	.14	.53	.61	1.49	5.58	27.4
9 B	3.47	.34	.23	.10	-.19	-.12	3.83	.19	.20	.72	.60	1.71	5.54	27.6
10 B	3.60	.37	.42	.50	-.19	-.02	4.68	.24	.23	---	.62	1.09	5.78	27.6
11 D	3.41	.45	.61	.31	-.17	-.16	4.45	.30	.29	.11	.62	1.32	5.77	27.7
12 A	5.01	.96	1.11	---	-.02	-2.46	4.61	.17	.25	.81	.70	1.93	6.53	27.9
13 A	3.63	.30	.57	.16	-.32	+.04	4.38	.14	.22	.48	.62	1.46	5.84	28.0
14 C*	3.04	1.22	.28	.35	-.16	+.06	4.79	.16	.20	.11	.63	1.10	4.89	28.0
15 B*	3.52	3.16	.10	.20	-.05	-2.17	4.76	.22	.14	.43	.66	1.45	6.21	28.2
16 C	3.89	.49	.40	.36	-.25	-.13	4.76	.42	.25	.08	.65	1.40	6.16	28.5
17 A	3.44	.34	.51	---	-.27	-.06	3.96	.30	.22	.81	.62	1.95	5.91	28.6
18 C	3.20	.36	.43	.53	-.19	-.01	4.32	.20	.27	.23	.59	1.29	5.61	28.6
19 B	3.67	.51	.49	.66	-.19	-.48	4.66	.26	.26	.17	.62	1.31	5.97	28.6
20 B*	3.05	1.04	.53	.26	-.16	+.23	4.95	.07	.19	.16	.63	1.05	6.00	28.6
21 B	3.50	.37	.87	.50	-.13	-.16	4.95	.25	.21	.19	.63	1.28	6.25	29.5
22 A	3.44	.29	.51	.13	-.11	+.06	4.32	.23	.16	.53	.56	1.48	5.80	30.8
23 B	3.51	.38	.55	.47	-.11	-.11	4.69	.26	.23	.09	.57	1.15	5.84	30.8
24 D	3.59	.48	.65	.78	-.23	-.40	4.87	.26	.21	---	.57	1.04	5.91	31.2
25 B*	3.09	.61	.36	1.01	-.14	+.21	5.14	.22	.16	.15	.60	1.13	6.27	31.4
26 C	4.06	.56	.57	.41	-.13	-.42	5.05	.24	.22	.16	.58	1.20	6.25	32.1
27 C	3.13	.09	.60	.93	-.10	+.42	5.07	.27	.16	.02	.57	1.02	6.09	32.1
28 D*	4.52	.60	.71	.93	-.22	-.46	6.08	.11	.17	.18	.62	1.08	7.16	34.5
1962 Ave.	3.55	.50	.44	.45	-.17	-.31	4.46	.23	.23	.13	.61	1.20	5.66	27.8
1961 Ave.	3.47	.41	.38	.46	-.21	-.14	4.37	.25	.21	.20	.62	1.28	5.65	27.5
1960 Ave.	3.30	.42	.43	.42	-.20	-.19	4.18	.30	.27	.31	.66	1.54	5.72	28.5

* Indicates Started Pullets purchased for Replacements.

** Flock Size: 2,000 - 5,000 = A; 5,000 - 10,000 = B; 10,000 - 20,000 = C; Over 20,000 = D.

TABLE III

		CENTS COST PER DOZEN EGG PRODUCED												
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	Less Income not Egg		Net Cash Cost /Hen	OTHER COSTS USUALLY NON-CASH				Total Non- Cash	Total All Cost /Hen	Total dozen eggs sold/Hen
					Culls	Invent. Cr. or Debit		Depre- ciation	Int. on Invest- ment	Family Labor	Mgmt. Cost @ 10% Egg Income			
1 C	15.5	.9	.9	.9	-.7	-.1	18.8	1.0	.8	1.2	3.0	6.0	24.8	21.2
2 D	16.6	1.7	1.2	1.9	-1.0	-.9	19.5	1.0	1.3	.0	3.0	5.3	24.8	20.5
3 D	18.0	2.4	2.5	2.1	-.4	-5.4	19.2	1.0	1.3	.4	3.0	5.7	24.9	21.1
4 B	17.6	1.8	1.7	.3	-1.3	-1.4	18.7	.5	1.0	2.4	3.0	6.9	25.6	20.9
5 D	17.4	2.0	1.7	2.1	-.5	-2.1	20.6	1.3	1.3	.7	3.0	6.3	26.9	20.0
6 B	16.5	1.9	2.2	2.6	-.7	-.5	22.0	1.0	1.0	.0	3.0	5.0	27.0	20.6
7 D*	17.6	3.0	2.0	1.6	-.5	-1.8	21.9	1.0	.9	.4	3.0	5.3	27.2	19.4
8 A	18.0	1.7	1.5	.2	-1.2	-.0	20.2	1.0	.7	2.5	3.0	7.2	27.4	20.3
9 B	17.3	1.7	1.1	.5	-.9	-.6	19.1	.9	1.0	3.6	3.0	8.5	27.6	20.1
10 D	17.2	1.8	2.0	2.4	-.9	-.1	22.4	1.1	1.1	.0	3.0	5.2	27.6	20.9
11 D	16.4	2.2	2.9	1.5	-.8	-.8	21.4	1.4	1.4	.5	3.0	6.3	27.7	20.8
12 A	21.4	4.1	4.7	.0	-.1	-10.5	19.6	.7	1.1	3.5	3.0	8.3	27.9	23.4
13 A	17.4	1.4	2.7	.8	-1.5	+.2	21.0	.7	1.0	2.3	3.0	7.0	28.0	20.8
14 C*	14.5	5.8	1.3	1.7	-.8	+.3	22.8	.8	.9	.5	3.0	5.2	28.0	21.0
15 B*	16.0	14.4	.4	.9	-.1	-10.0	21.6	1.0	.6	2.0	3.0	6.6	28.2	22.0
16 C	18.0	2.3	1.8	1.7	-1.2	-.6	22.0	1.9	1.2	.4	3.0	6.5	28.5	21.6
17 A	16.7	1.6	2.5	.0	-1.3	-.3	19.2	1.5	1.0	3.9	3.0	9.4	28.6	20.6
18 C	16.3	1.8	2.2	2.7	-1.0	-.0	22.0	1.0	1.4	1.2	3.0	6.6	28.6	19.6
19 B	17.6	2.5	2.3	3.2	-.9	-2.3	22.4	1.2	1.2	.8	3.0	6.2	28.6	20.8
20 B*	14.5	5.0	2.5	1.2	-.8	+1.1	23.5	.3	1.0	.8	3.0	5.1	28.6	21.0
21 B	16.6	1.8	4.0	2.4	-.6	-.8	23.4	1.2	1.0	.9	3.0	6.1	29.5	21.1
22 A	18.3	1.5	2.7	.7	-.6	+.3	22.9	1.2	.8	2.8	3.0	7.8	30.8	18.8
23 B	18.5	2.0	2.9	2.5	-.6	-.6	24.7	1.4	1.2	.5	3.0	6.1	30.8	18.9
24 D	19.0	2.5	3.4	4.1	-1.2	-2.1	25.7	1.4	1.1	.0	3.0	5.5	31.2	18.9
25 B*	15.5	3.0	1.8	5.1	-.7	+1.0	25.7	1.1	.8	.8	3.0	5.7	31.4	19.9
26 C	20.9	2.9	2.9	2.1	-.7	-2.1	26.0	1.2	1.1	.8	3.0	6.1	32.1	19.4
27 C	16.5	.5	3.2	4.9	-.5	+2.2	26.8	1.4	.8	.1	3.0	5.3	32.1	19.0
28 D*	21.8	2.9	3.4	4.5	-1.1	-2.2	29.3	.5	.8	.9	3.0	5.2	34.5	20.7
Year-Layers														
Av. '62-16,331	17.4	2.5	2.2	2.2	-.9	-1.5	21.9	1.1	1.1	.7	3.0	5.9	27.8	20.4
Av. '61-13,364	16.9	2.0	1.9	2.2	-1.0	-.7	21.3	1.2	1.0	1.0	3.0	6.2	27.5	20.5
Av. '60-9,478	16.6	2.1	2.2	2.1	-1.0	-1.0	21.0	1.5	1.4	1.5	3.3	7.7	28.7	19.8

* Indicates Started Pullets purchased for Replacements.

** Flock Size: 2,000 - 5,000 = A; 5,000 - 10,000 = B; 10,000 - 20,000 = C; Over 20,000 = D.

LAYING FLOCK STATISTICS - AND COSTS PER DOZEN EGGS

TABLE IV

Column	1	2	3	4	5	6	7	8	9	10	11	12	13	
Rank & Size	Per Cent of Av. Flock During Year				%	%	%	COSTS PER DOZEN - CENTS					INCOME vs COSTS	
	Died	Culled	Added	Net Rate Replacement				Over 18 mos. of age to lay	Chick Loss	Replc. Started Pullets	Feed Layers only	Net-Replc. Chicks Feed-less Culls & Inv.	Hired Labor & Misc. Cash	Other Costs Deprec. Home Labor & Mgmt.
1 C	13	70	89	86	8	2	0	12.0¢	5.0¢	1.8¢	6.0¢	24.8¢	+ 4.2¢	
2 D	9	76	103	94	7	4	0	12.5	3.9	3.1	5.3	24.8	----	
3 D	18	45	106	85	9	9	0	12.6	2.0	4.6	5.7	24.9	----	
4 B	11	78	106	98	0	10	0	13.2	3.5	2.0	6.9	25.6	+ 3.4	
5 D	16	45	101	81	15	8	0	13.0	3.8	3.8	6.3	26.9	+ 1.3	
6 B	18	70	99	94	16	2	0	12.6	4.6	4.8	5.0	27.0	+ 1.3	
7 D*	15	55	104	87	9	8	18	13.6	4.7	3.6	5.3	27.2	+ 1.0	
8 A	19	86	104	105	9	6	0	13.6	4.9	1.7	7.2	27.4	+ 1.0	
9 B	15	80	100	93	19	8	0	13.1	4.4	1.6	8.5	27.6	+ 1.5	
10 B	17	83	98	99	17	8	0	13.2	4.8	4.4	5.2	27.6	+ 2.6	
11 D	13	79	96	94	13	7	0	12.4	4.6	4.4	6.3	27.7	+ 1.5	
12 A	15	9	194	109	0	3	0	12.8	2.1	4.7	8.3	27.9	- 2.6	
13 A	17	78	101	98	13	8	0	13.7	3.8	3.5	7.0	28.0	+ 1.4	
14 C*	12	77	106	98	5	0	100	12.5	7.3	3.0	5.2	28.0	+ 1.3	
15 B*	12	19	238	135	3	0	100	12.2	8.1	1.3	6.6	28.2	+ .4	
16 C	12	81	139	116	9	2	0	13.4	5.1	3.5	6.5	28.5	+ 1.0	
17 A	10	89	94	97	26	4	0	12.9	3.8	2.5	9.4	28.6	----	
18 C	15	73	98	93	16	5	0	12.8	4.3	4.9	6.6	28.6	- .4	
19 B	11	73	128	106	22	5	0	13.1	3.8	5.5	6.2	28.6	+ .9	
20 B*	13	71	106	95	25	3	100	12.8	7.0	3.7	5.1	28.6	+ 1.0	
21 B	15	46	92	77	26	10	0	13.1	3.9	6.4	6.1	29.5	+ .2	
22 A	16	67	76	80	15	7	0	15.3	4.3	3.4	7.8	30.8	- .9	
23 B	19	54	90	82	16	--	0	14.3	5.0	5.4	6.1	30.8	- 3.0	
24 D	12	69	123	102	21	4	0	13.7	4.5	7.5	5.5	31.2	- 1.8	
25 B*	14	68	112	97	14	2	35	12.5	6.3	6.9	5.7	31.4	- 4.8	
26 C	18	58	119	98	11	5	0	15.5	5.5	5.0	6.1	32.1	- 3.8	
27 C	11	40	53	52	32	2	0	14.3	4.4	8.1	5.3	32.1	- 3.2	
28 D*	15	81	101	99	21	18	20	16.0	5.4	7.9	5.2	34.5	- 5.3	
'62-28 Rec.	13	68	106	94	14	8	10	13.1	4.4	4.4	5.9	27.8	+ 1.1	
'61-37 "	13	75	105	97	--	10	--	12.9	4.3	4.1	6.2	27.5	+ 4.0	
'60-32 "	13	71	96	90	17	8	--	12.5	4.2	4.3	7.7	28.7	+ 4.6	

* Indicates Started Pullets purchased for Replacements