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 Riverside County

CHICK - Econ  
 600 c  
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University of California  
 Agricultural Extension Service  
 Bldg. 1, 4005 Rosecrans Street  
 San Diego 10, California

WHAT ARE THE COSTS OF EGG PRODUCTION

Prepared by Robert H. Adolph, Farm Advisor

Data taken from 1960 Poultry Egg Cost Study, San Diego County

A. Page COMPARE YOUR RESULTS WITH THAT OF THE 1960 EGG COST STUDY RESULTS

<u>Column</u>	<u>1960 COST STUDY PER AVE. LAYER</u>	<u>YOUR OWN RESULTS</u>
1. Average Flock Size (32 Records - 366 Hen Days)	9,478	
2. Average % Production for the Year	66%	
3. Egg Production per Hen	241 Eggs	
4. Eggs sold Large and Extra Large	70%	
5. Dozens Eggs sold per Hen	19.8	
6. Income per Dozen Eggs for all Eggs sold from the Ranch	33.3¢	
7. Price received per Cull Hen Sold	27¢	
<u>Per Cent of Average Flock during Year</u>		
8. Died	13%	
9. Culled	71%	
10. Added	96%	
11. Net Replacement	90%	
12. Ave. % Hens over 18 mos. of age	17%	
13. All Labor per Hen	.58 of an hour	
14. Total Cost all Labor per Hen	\$ .73	

B. Page FEED IS THE HIGHEST COST ITEM IN EGG PRODUCTION

<u>Column</u>		
1. Feed for Layers only	90 lbs.	
2. Feed for Pullet Replacements	24 lbs.	
3. Total Feed including Replacements	114 lbs.	
4. Average Cost per 100 lbs of Feed	\$ 2.90	
5. Cost of Feed per Average Hen per Year (114 lbs. times \$2.90 per cwt.)	\$ 3.30	
6. Feed Layers only Feed per doz. eggs sold	4.46 lbs.	
7. Feed including Replacements per dozen	5.68 lbs.	

CHICKS, SUPPLIES, TAXES, SERVICES AND HIRED LABOR  
 ARE ALSO CASH COSTS

8. Chick Cost per Each Purchased	\$ .39	
9. Chick Loss from Day Old to Laying Age	8%	
10. Chick Cost per Average Layer in Flock	\$ .42	
11. Less Income from Culls and Inventory Value Difference	- \$ .39	
12. Hired Labor Cost	\$ .42	
13. Supplies, Taxes and Services	\$ .43	
14. Net Cash Costs per Average Layer	\$ 4.18	

C. Page THERE ARE OTHER ITEMS WHICH ARE USUALLY OF A NON-CASH COST NATURE BUT SHOULD BE CONSIDERED TO OBTAIN A COMPLETE COST OF PRODUCTION ANALYSIS

<u>Column</u>	<u>1960 COST STUDY RESULTS PER BIRD</u>	<u>YOUR OWN RESULTS</u>
* 1. Depreciation (From Income Tax Reports)	\$ .30	_____
* 2. Interest (Depreciated Value of Bldgs. and Equipment plus Stock and Land rated @ 6%)	\$ .27	_____
* 3. Family Labor @ \$1.25 per Hour	\$ .31	_____
* 4. Estimated Management Labor Cost rated @ 10% Egg Income	\$ .66	_____
* 5. Total Non-Cash Costs	\$ 1.54	_____

\* Where these items are not considered as a cost they should be added to income.

SUMMARY PER AVERAGE HEN AND PER DOZEN EGGS SOLD

6. Total Egg Income per Hen	\$ 6.61	_____
7. Net Cost of Egg Production per Hen (All Costs less Credit for Culls and Inventory Difference)	\$ 5.72	_____
8. Profit (Egg Income less Costs) per Hen	\$ .89	_____
9. Total Income per Dozen Eggs Sold	33.3¢	_____
10. Total Cost per Dozen Eggs Sold	28.7¢	_____
11. Profit over All Costs per Dozen Eggs Sold	4.6¢	_____

D. Page RESULTS REPORTED ON BASIS OF PER DOZEN EGGS SOLD IN CENTS      PER DOZEN EGGS SOLD  
1960 AVE. PER DOZEN EGGS SOLD      YOUR RESULTS

<u>Column</u>	<u>1960 AVE. PER DOZEN EGGS SOLD</u>	<u>YOUR RESULTS</u>
1. Feed	16.6¢	_____
2. Chick Costs	2.1	_____
3. Less Culls and Inventory Credit	- 2.0	_____
4. Net Feed and Chick Cost	16.7¢	_____
5. Supplies, Taxes, etc.	2.2	_____
6. Hired Labor	2.1	_____
7. <u>Total Net Cash Costs</u>	<u>21.0¢</u>	_____
<u>Non-Cash Costs</u>		
8. Depreciation	1.5¢	_____
9. Interest @ 6%	1.4	_____
10. Family Labor	1.5	_____
11. Estimated Management Labor Cost @ 10% of Egg Income	3.3¢	_____
12. <u>Total Non-Cash Costs</u>	<u>7.7¢</u>	_____

## COMPARE YOUR RESULTS

(Refer to Page 1 for more complete titles of Columns.)  
 (For Column "6" - refer to Page C Column "9".)

1	2	3	4	5	7	8	9	10	11	12	13	14	
Rank No. & Flock Size	Ave. % Production	Eggs per Hen	% Large % Extra Large Eggs	Dz. Eggs Sold per Hen	Price Rec'd per Cull	% Died	% Culled	% Added	% Net Replc-ment	% Old Hens	Hours Lab.	Cost Labor	
1	C	68	250	72	20.5	.25	6	78	93	89	4	.40	.51
2	C	68	248	67	20.4	.33	14	80	109	101	10	.45	.54
3	C	70	258	70	21.1	.21	12	78	86	88	13	.46	.51
4	C	67	244	64	20.4	.23	13	67	99	90	20	.63	.79
5	C	70	255	68	21.3	.24	18	72	93	92	13	.72	.84
6	A	71	261	77	21.0	.22	11	73	89	87	20	.67	.77
7	C	69	253	60	21.1	.26	11	91	113	108	17	.55	.74
8	C	60	221	--	18.0	.26	13	43	94	75	18	.34	.62
9	C	67	245	60	20.5	.24	13	78	124	108	13	.55	.62
10	B	65	238	63	19.8	.25	14	53	94	81	18	.74	.73
11	B	65	239	82	19.6	.24	20	71	99	95	9	.38	.46
12	A	67	244	77	20.3	.27	14	75	98	94	15	.82	.96
13	B	65	237	72	19.6	.26	26	66	93	93	26	.57	.69
14	B	68	248	75	20.1	.28	11	64	95	85	20	.49	.55
15	B	61	222	66	18.5	.24	9	68	117	97	17	.30	.41
16	B	64	236	72	19.5	.26	21	49	71	71	14	.53	.54
17	C	59	216	70	18.0	.33	8	73	99	90	20	.67	.74
18	A	68	250	79	20.6	.27	9	81	93	92	9	.63	.72
19	C	69	254	75	20.8	.24	14	70	102	93	19	.66	.75
20	A	63	231	74	19.2	.36	25	60	88	87	22	.50	.62
21	B	69	253	56	20.4	.22	8	81	115	102	9	.62	.73
22	A	69	252	--	20.8	.29	8	72	94	87	15	.69	.78
23	A	61	224	--	18.6	.25	17	65	96	89	18	.60	.72
24	B	64	234	76	19.4	.34	15	49	95	80	21	.49	.61
25	B	64	235	56	18.8	.32	5	101	118	112	3	.68	.82
26	A	67	247	68	20.2	.24	10	78	83	86	25	.77	.97
27	B	66	240	66	19.9	.25	12	62	99	87	18	.70	.85
28	B	64	236	66	19.3	.23	25	69	84	89	15	.62	.76
29	C	63	229	64	19.3	.26	18	46	81	78	14	1.11	1.32
30	C	68	249	73	20.8	.38	6	128	73	104	31	1.03	1.38
31	B	62	227	74	18.0	.30	16	53	78	74	23	.58	.73
32	B	64	233	70	19.2	.27	12	85	88	93	19	1.13	1.34
Av. 1960-9478	66	241	70	19.8	\$.27	13	71	96	90	17	.58	.73	
Av. 1959-7177	67	243	68	20.1	.30	14	82	107	102	14	.66	.82	
Av. 1958-6426	65	239	68	19.8	.46	14	79	105	99	16	.78	.86	

\* = Arranged according to lowest total cost per dozen eggs sold.

\*\* = Flock size to 5,000 = A; 5,000 - 10,000 = B; Over 10,000 = C.

Page B Feed, Chicks, Supplies, Taxes, Services, and Hired Labor are Cash Costs  
 (Refer to Page 1 for more Complete Titles of Columns.)

	1	3	4	5	6	7	8	9	10	11	12	13	14
Rank & Size	#Feed Layers only	#All Feed incl. replac.	Feed per cwt.	Feed per Hen	Feed Layer only Ratio	All Feed Ratio per dz. Eggs	Chick Cost Each	% Chick Loss	Chick Cost per Layer	Less Culls & Inv. Cred.	Hired Labor Cost	Misc. Cash Costs.	Net Cash per Hen
1 C	87	107	\$2.78	\$2.97	4.1	5.1	\$.40	3	\$.37	\$-.23	\$.19	\$.41	\$3.71
2 C	100	130	2.73	3.55	4.9	6.3	.41	10	.51	-.80	.29	.30	3.85
3 C	89	112	2.90	3.24	4.2	5.2	.37	2	.31	-.19	.35	.39	4.11
4 C	85	108	2.87	3.10	4.2	5.3	.35	5	.35	-.35	.41	.40	3.92
5 C	93	115	2.80	3.22	4.4	5.4	.43	3	.40	-.23	.58	.32	4.29
6 A	96	117	2.92	3.41	4.4	5.4	.39	4	.32	-.20	.54	.28	4.35
7 C	91	117	2.97	3.47	4.3	5.5	.30	5	.35	-.39	.52	.44	4.39
8 C	83	104	2.99	3.09	4.7	5.8	.35	9	.35	-.51	.53	.48	3.94
9 C	90	114	2.87	3.28	4.4	5.6	.34	15	.45	-.38	.31	.48	4.14
10 B	83	104	2.91	3.02	4.2	5.2	.38	3	.35	-.28	.65	.46	4.20
11 B	92	115	3.06	3.50	4.6	5.7	.39	6	.39	-.33	.46	.32	4.34
12 A	98	121	3.05	3.71	4.8	6.0	.33	2	.30	-.50	.29	.22	4.00
13 B	89	115	2.91	3.36	4.5	5.9	.31	16	.33	-.11	.05	.29	3.92
14 B	97	117	3.12	3.66	4.4	5.7	.38	4	.38	-.32	.29	.40	4.41
15 B	91	117	3.08	3.58	4.9	6.3	.32	6	.32	-.39	.04	.47	4.01
16 B	96	114	2.93	3.33	4.9	5.8	.30	6	.22	-.22	.41	.40	4.15
17 C	80	107	2.68	2.74	4.4	5.7	.34	17	.26	-.11	.42	.44	3.74
18 A	104	123	2.94	3.60	5.0	5.9	.40	5	.26	+.07	.31	.19	4.43
19 C	94	117	2.91	3.41	4.4	5.5	.33	9	.28	-.55	.52	.79	4.45
20 A	92	111	3.07	3.34	4.8	5.8	.28	26	.22	-.02	---	.50	4.04
21 B	91	115	2.88	3.30	4.3	5.4	.40	7	.47	-.11	.58	.33	4.57
22 A	92	115	2.99	3.44	4.4	5.5	.41	8	.42	-.52	.35	.65	4.34
23 A	97	120	2.71	3.25	5.2	6.4	.36	8	.39	-.41	.12	.55	3.90
24 B	105	130	2.95	3.82	5.4	6.7	.33	5	.35	-.77	.20	.42	4.02
25 B	92	116	2.91	3.38	4.7	5.9	.37	10	.40	-.22	.14	.50	4.20
26 A	86	113	3.10	3.49	4.2	5.5	.44	3	.40	-.19	---	.45	4.16
27 B	93	115	3.19	3.67	4.7	5.8	.37	13	.15	+.05	.12	.54	4.52
28 B	94	121	2.84	3.43	4.8	6.1	.43	6	.49	-.46	.25	.69	4.39
29 C	89	110	2.90	3.20	4.7	5.8	.33	4	.34	-.27	1.22	.49	4.99
30 C	95	111	2.89	3.22	4.6	5.4	.59	7	1.86	-1.50	.84	.76	5.18
31 B	96	118	3.08	3.64	5.1	6.3	.32	5	.43	-.55	.10	.42	4.03
32 B	88	109	2.86	3.13	4.6	5.6	.59	5	.74	-.12	1.00	.47	5.22
Ave.1960	89	114	2.90	3.30	4.5	5.7	.39	8	.42	-.39	.42	.43	4.18
Ave.1959	90	115	3.23	3.72	4.5	5.7	.43	9	.48	-.35	.38	.42	4.65
Ave.1958	91	115	3.31	3.80	4.6	5.8	.40	10	.48	-.61	.48	.52	4.67

The total of Columns 5, 10, 11, 12, and 13 equals the Total Figure of Net Cash Cost per Hen in Column 14.

Non-Cash Items Must Be Considered in a Complete Cost Analysis  
(See Page 2 for a more complete title to Columns listed.)

Rank & Size	Per Average Layer					Per Ave. Hen Summary			Sum. Per Dz. Eggs Sold		
	Deprec. per Hen	Inter-est	Family Labor	Mgmt Cost @ 10% Egg Income	Total Non-Cash Costs	Total Egg Income	Total Cost Eggs	Profit per Layer	Egg In-come per dz.	Total Cost per dz.	Profit per dz. Sold
1 C	\$.30	\$.28	\$.32	\$.67	\$1.57	\$6.74	\$5.28	\$1.46	32.9¢	25.8¢	7.1¢
2 C	.29	.21	.25	.70	1.45	7.02	5.30	1.72	34.4	25.9	8.5
3 C	.28	.25	.16	.69	1.39	6.97	5.50	1.47	33.1	26.1	7.1
4 C	.24	.23	.38	.67	1.52	6.70	5.44	1.26	32.9	26.8	6.1
5 C	.31	.20	.26	.69	1.46	6.90	5.75	1.15	32.4	26.9	5.5
6 A	.18	.22	.23	.71	1.34	7.09	5.69	1.40	33.8	27.1	6.7
7 C	.29	.32	.22	.69	1.51	6.88	5.90	.98	32.6	28.0	4.6
8 C	.22	.24	.09	.59	1.14	5.93	5.08	.85	32.9	28.2	4.7
9 C	.41	.25	.31	.69	1.66	6.94	5.80	1.14	33.9	28.3	5.6
10 B	.40	.29	.08	.65	1.42	6.53	5.62	.91	33.0	28.4	4.6
11 B	.28	.29	---	.67	1.24	6.71	5.58	1.13	34.3	28.5	5.8
12 A	.15	.28	.67	.69	1.79	6.91	5.79	1.12	34.1	28.5	5.6
13 B	.17	.23	.64	.65	1.69	6.46	5.61	.85	33.0	28.6	4.4
14 B	.20	.26	.26	.68	1.40	6.78	5.81	.97	33.8	29.0	4.8
15 B	.20	.24	.37	.58	1.39	5.83	5.40	.43	31.5	29.3	2.2
16 B	.50	.29	.13	.66	1.58	6.64	5.73	.91	34.0	29.4	4.6
17 C	.37	.28	.32	.59	1.56	5.86	5.30	.56	32.6	29.5	3.1
18 A	.39	.18	.41	.70	1.68	7.02	6.11	.91	34.1	29.7	4.4
19 C	.51	.29	.23	.71	1.73	7.09	6.18	.91	34.1	29.7	4.4
20 A	.23	.17	.62	.64	1.66	6.40	5.70	.70	33.4	29.7	3.7
21 B	.51	.19	.15	.66	1.51	6.60	6.08	.52	32.4	29.7	2.7
22 A	.35	.39	.43	.71	1.87	7.07	6.21	.86	34.0	29.9	4.1
23 A	.26	.18	.60	.62	1.66	6.17	5.56	.61	33.2	29.9	3.3
24 B	.23	.49	.41	.67	1.81	6.69	5.83	.86	34.5	30.0	4.5
25 B	.13	.29	.68	.66	1.76	6.60	5.96	.64	35.1	31.6	3.5
26 A	.25	.35	.97	.68	2.25	6.78	6.41	.37	33.6	31.8	1.8
27 B	.24	.22	.73	.66	1.85	6.59	6.37	.22	33.1	32.1	1.0
28 B	.43	.29	.51	.63	1.86	6.30	6.25	.05	32.6	32.3	.3
29 C	.31	.28	.10	.65	1.34	6.45	6.34	.11	33.5	32.9	.6
30 C	.20	.31	.54	.67	1.72	6.71	6.90	-.19	32.3	33.1	-.8
31 B	.33	.49	.63	.60	2.05	6.03	6.08	-.05	33.5	33.8	-.3
32 B	.22	.21	.34	.66	1.43	6.61	6.65	-.04	34.5	34.7	-.2
Ave. 1960	.30	.27	.31	.66	1.54	6.61	5.72	.89	33.3	28.8	4.5¢
Ave. 1959	.29	.26	.44	.60	1.59	5.97	6.24	-.27	29.8	31.1	-1.3¢
Ave. 1958	.29	.25	.38	.73	1.65	7.32	6.32	1.00	37.0	32.0	5.0¢

Column 5, Page C (Total Non-Cash Costs) and Column 14, Page B (Total Net Cash Costs) equal Column 7 (Total Cost Eggs per Average Layer).

All Results Reported Here are Per Dozen Eggs Sold in Cents  
(See Page C Columns 9, 10, and 11 for Summary of Costs and Income.)

Rank & Size	1 Feed	2 Chicks	3 Cull & Inv. Credit	4 Net Cost Feed & Chix	5 Sup-plies Taxes	6 Hired Labor	7 Total Net Cash	8 Deprec.	9 Inter-est @ 6%	10 Fam-ily Labor	11 Mgmt. Cost	12 Total Non-Cash Costs
1 C	14.5	1.8	-1.0	15.2	2.0	.9	18.1	1.5	1.4	1.5	3.3	7.7
2 C	17.4	2.5	-3.9	16.0	1.5	1.4	18.9	1.4	1.0	1.2	3.4	7.0
3 C	15.4	1.5	-.9	16.0	1.8	1.7	19.5	1.3	1.2	.8	3.3	6.3
4 C	15.2	1.7	-1.6	15.3	2.0	2.0	19.3	1.2	1.1	1.9	3.3	7.5
5 C	15.1	1.9	-1.1	15.9	1.5	2.7	20.1	1.5	.9	1.2	3.2	6.8
6 A	16.3	1.5	-1.0	16.8	1.3	2.6	20.7	.9	1.0	1.1	3.4	6.4
7 C	16.5	1.7	-1.8	16.4	2.0	2.5	20.8	1.4	1.5	1.0	3.3	7.2
8 C	17.1	1.9	-2.8	16.3	2.7	2.9	21.9	1.2	1.3	.5	3.3	6.3
9 C	16.0	2.2	-1.9	16.3	2.3	1.5	20.2	2.0	1.2	1.5	3.4	8.1
10 B	15.2	1.7	-1.4	15.5	2.3	3.3	21.2	2.0	1.5	.4	3.3	7.2
11 B	17.9	2.0	-1.7	18.2	1.6	2.4	22.2	1.4	1.5	---	3.4	6.3
12 A	18.3	1.5	-2.4	17.4	1.1	1.4	19.7	.7	1.4	3.3	3.4	8.8
13 B	17.1	1.7	-.6	18.2	1.5	.3	20.0	.9	1.2	3.3	3.3	8.6
14 B	18.3	1.9	-1.6	18.6	2.0	1.4	22.0	1.0	1.3	1.3	3.4	7.0
15 B	19.3	1.7	-2.1	18.9	2.5	---	21.7	1.1	1.3	2.0	3.2	7.6
16 B	17.1	1.1	-1.1	17.1	2.0	2.1	21.3	2.6	1.5	.7	3.4	8.1
17 C	15.3	1.4	-.6	16.1	2.4	2.3	20.8	2.1	1.6	1.7	3.3	8.7
18 A	17.5	1.3	+.3	19.1	.9	1.5	21.5	1.9	.9	2.0	3.4	8.2
19 C	16.4	1.3	-2.5	15.2	3.8	2.5	21.4	2.5	1.4	1.1	3.4	8.3
20 A	17.4	1.2	-.1	18.5	2.6	---	21.1	1.2	.9	3.2	3.3	8.6
21 B	16.2	2.3	-.5	18.0	1.6	2.8	22.4	2.5	.9	.7	3.2	7.3
22 A	16.5	2.0	-2.5	16.0	3.1	1.7	20.9	1.7	1.9	2.0	3.4	9.0
23 A	17.5	2.1	-2.2	17.4	3.0	.6	21.0	1.4	1.0	3.2	3.3	8.9
24 B	19.7	1.8	-4.0	17.5	2.2	1.0	20.7	1.2	2.5	2.1	3.4	9.3
25 B	18.0	2.1	-1.2	18.9	2.7	.7	22.3	.7	1.5	3.6	3.5	9.3
26 A	17.3	2.0	-.9	18.4	2.2	---	20.6	1.2	1.7	4.8	3.4	11.2
27 B	18.4	.8	+.3	19.5	2.7	.6	22.8	1.2	1.1	3.7	3.3	9.3
28 B	17.7	2.5	-2.3	17.9	3.5	1.3	22.7	2.2	1.5	2.6	3.3	9.6
29 C	16.6	1.8	-1.4	17.0	2.5	6.3	25.9	1.6	1.5	.5	3.4	7.0
30 C	15.5	8.9	-7.2	17.2	3.7	4.0	24.9	.9	1.5	2.6	3.2	8.2
31 B	20.2	2.4	-3.0	19.6	2.2	.6	22.4	1.8	2.7	3.5	3.4	11.4
32 B	16.3	3.9	-.7	19.5	2.5	5.2	27.2	1.1	1.1	1.8	3.4	7.4
Ave.1960	16.6	2.1	-2.0	16.7	2.2	2.1	21.0¢	1.5	1.4	1.5	3.3	7.7¢
Ave.1959	18.5	2.4	-1.7	19.2	2.1	1.9	23.2¢	1.4	1.3	2.2	3.0	7.9¢
Ave.1958	19.3	2.4	-3.1	18.6	2.6	2.4	23.6¢	1.5	1.3	1.9	3.7	8.4¢