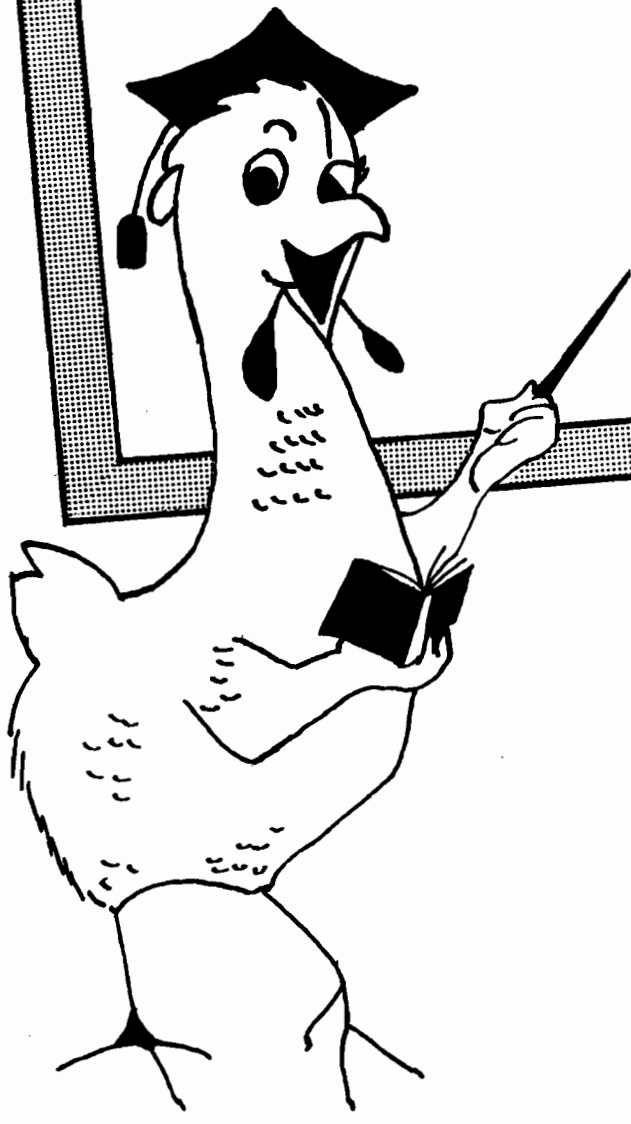


POULTRY SITUATION and COST STUDIES



sonoma county
13 year summary

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Co-operative Extension work in Agriculture and Home Economics, College of Agriculture,
University of California, and United States Department of Agriculture co-operating.
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George B. Alcorn, Director, California Agricultural Extension Service.

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UC Cooperative Extension

1961 POULTRY EGG COST STUDY

Sonoma County Summary

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, but the records can be used to make a comparison.

COMPARE YOUR RESULTS TO STUDY AVERAGES

Costs per Average Hen

	Sonoma Co. Averages	Your Results
OPERATION COSTS:		
Feed	\$ 3.80	_____
Chick purchases	.57	_____
Supplies, taxes, services, miscellaneous	.38	_____
Hired labor	.23	_____

LESS COST CREDITS:		
Culls and Manure	.19	_____
Stock Inventory Change	.18	_____

NET OPERATION COSTS PER HEN	4.61	_____
OVERHEAD COSTS:		
Depreciation	.23	_____
Interest on Investment, 5%	.21	_____

TOTAL NET OPERATION AND OVERHEAD COSTS	5.05	_____
VALUE OPERATOR'S LABOR	.60	_____

NET COST OF EGG PRODUCTION PER HEN	5.65	_____
NET COST OF EGG PRODUCTION PER DOZEN SOLD	29.5¢	_____

Sales and Returns per Average Hen

Dozen eggs sold per hen	19.2	_____
Average price per dozen sold	33.0	_____

Egg returns per hen	6.33	_____
Egg returns over net operations cost	1.72	_____
Egg returns over net operations and overhead costs	1.28	_____

Management income per hen	.68	_____
Management income per dozen sold	3.5¢	_____
Net or farm income per hen	1.49	_____
Net or farm income per dozen eggs	7.7¢	_____

SONOMA COUNTY AGRICULTURAL COMMISSION FIGURES, PRODUCTION AND VALUE OF POULTRY -- 1940 - 1961 comparison

Date	Number of Hens	Eggs per Hen	Eggs (Dozens)	Average Price	Egg Value	*Meat Birds (pounds)	Avc. Price	Meat Value	***Other Poultry Value	Total Value
1940	4,525,000	126	47,500,000	.19	\$ 9,075,000	11,400,000	.18	\$ 2,106,500	\$ 504,942	\$11,686,442
1941	4,275,000	109	38,990,000	.28	10,757,400	12,430,000	.20	2,540,175	564,212	13,861,787
1942	4,250,000	122	43,301,000	.33	14,458,830	9,000,500	.27	2,461,625	817,237	17,737,692
1943	4,692,000	125	48,875,000	.40	19,537,500	22,300,000	.29	6,550,000	1,508,235	27,595,735
1944	4,500,000	137	51,390,000	.39	19,843,608	27,560,469	.32	8,812,977	1,676,368	30,332,953
1945	4,500,000	149	55,915,000	.42	23,415,150	26,694,674	.40	10,576,961	1,625,800	35,617,911
1946	3,925,500	148	48,447,000	.45	21,664,655	25,901,050	.37	9,630,422	1,707,026	33,002,103
1947	3,552,242	148	43,811,000	.58	25,313,285	18,000,000	.30	5,445,000	1,232,370	31,990,655
1948	3,936,240	150	49,203,000	.55	27,203,070	28,666,193	.34	9,671,012	1,571,888	38,445,970
1949	4,026,993	151	50,673,000	.47	23,864,667	38,798,025	.25	9,542,311	1,638,500	35,045,478
1950	3,728,289	152	47,225,000	.41	19,455,640	40,820,950	.26	10,624,235	1,761,565	31,841,440
1951	3,300,314	153	42,079,000	.54	22,831,598	30,471,456	.28	8,528,233	2,234,466	33,594,297
1952	3,231,039	154	41,465,000	.50	20,752,421	24,996,754	.27	6,853,630	2,175,812	29,781,863
1953	3,261,600	155	42,129,000	.54	22,861,240	23,284,639	** .28	6,095,255	2,419,693	31,376,188
1954	3,344,000	160	43,357,000	.40	17,250,923	21,763,518	** .26	4,365,933	1,746,000	23,369,287
1955	3,120,498	165	42,906,846	.42	18,180,325	29,917,646	** .27	7,219,794	2,057,932	27,458,051
1956	2,994,889	175	43,675,458	.39	16,833,276	26,460,614	** .24	5,220,044	2,245,573	24,298,893
1957	2,753,275	185	42,446,323	.36	15,420,184	30,541,982	** .19	5,651,418	2,327,259	23,398,861
1958	2,386,162	195	38,775,131	.37	14,014,496	30,199,976	** .19	5,008,637	2,542,255	21,565,388
1959	2,598,844	200	43,314,150	.30	13,383,969	24,476,291	** .18	3,947,765	4,079,693	21,411,427
1960	2,326,000	205	39,767,725	.34	13,782,337	26,430,117	** .19	3,499,962	4,276,588	21,558,887
1961	2,411,000	206	41,484,000	.31	13,229,200	31,853,000	** .15	3,499,000	5,637,400	22,365,600

* = Meat Bird pounds include hens sold plus fryers and broilers

** = Price of broilers and fryers only

*** = Other poultry value includes: ducks, chicks, turkeys, turkey poult

TOTAL PRODUCTION IN CALIFORNIA AND SONOMA COUNTY -- 1940 - 1961

Date	Total Eggs Produced in California	Total Eggs Produced in Sonoma County	% of Cal. Eggs Prod. in Sonoma County	Population in California	Eggs Per Person Produced in California	Approx. Ave. Consumption Per Person in U.S.	Ave. Number Eggs Per Person Not Produced in California	% U. S. Layers Prod. in Calif.
1940	1,761,000,000	570,000,000	32.0	6,950,000	253	319	66	2.4
1941	1,743,000,000	467,880,000	27.0	7,237,000	241	311	70	3.6
1942	2,001,000,000	519,612,000	26.0	7,735,000	259	318	59	3.7
1943	2,225,000,000	586,500,000	26.0	8,506,000	262	347	85	3.5
1944	2,538,000,000	616,680,000	24.0	8,945,000	284	354	70	3.9
1945	2,337,000,000	670,980,000	29.0	9,344,000	250	402	152	3.5
1946	2,516,000,000	581,364,000	23.0	9,559,000	263	379	116	3.9
1947	2,481,000,000	525,732,000	21.0	9,832,000	252	383	131	4.0
1948	2,673,000,000	590,436,000	22.0	10,064,000	266	389	123	4.3
1949	3,117,000,000	608,076,000	20.0	10,337,000	302	383	81	4.8
1950	3,314,000,000	566,700,000	17.0	10,609,000	312	389	77	5.1
1951	3,242,000,000	504,948,000	16.0	11,062,000	293	392	99	5.2
1952	3,550,000,000	497,580,000	14.0	11,542,000	308	390	82	5.5
1953	4,183,000,000	505,548,000	12.1	12,400,000	337	379	42	6.6
1954	4,350,000,000	520,285,008	12.0	12,812,000	340	376	36	6.6
1955	4,404,000,000	514,882,152	11.7	13,250,000	332	371	39	6.7
1956	4,500,000,000	524,105,496	11.6	13,808,100	326	369	43	6.6
1957	4,603,000,000	509,355,876	11.1	14,160,000	325	365	40	6.8
1958	4,871,000,000	465,301,572	9.6	14,364,000	339	355	16	7.2
1959	5,236,000,000	519,769,800	10.0	15,700,000	334	347	13	7.5
1960	5,678,000,000	477,224,736	8.4	15,830,000	359	330	+29	8.6
1961	6,248,000,000	499,056,000	8.0	16,445,000	380	323	+57	9.6

COMPARE YOUR RESULTS
WITH STUDY AVERAGES

	Sonoma Co. Averages	Your Results
FEED INCLUDES REPLACEMENT:		
Pounds per hen	116	_____
Cost per hundred pounds	\$ 3.26	_____
Pounds per dozen eggs sold	6.0	_____
Cost per dozen eggs sold	19.8¢	_____

LABOR: Hired and Operator's		
Hours per hen	0.5	_____
Cost per hen	\$.83	_____
Cost per dozen eggs sold	4.3¢	_____

PER CENT OF AVERAGE FLOCK:		
Died	18	_____
Culled	71	_____
Total added	94	_____
Increase in flock	6	_____

EGGS PER HEN SOLD	230	_____
PER CENT LARGE EGGS SOLD	72	_____
COST PER CHICK	33.0¢	_____
CULL INCOME PER EACH	28.5¢	_____
PER CENT CHICK LOSS OF PURCHASED	9.0	_____
AVERAGE NUMBER OF BIRDS PER FLOCK	6,739	_____

Factors Contributing to Efficient Egg Production

- I. Maintain eighty to one hundred per cent replacement
 - A. Provides high egg production
 - B. Provides better egg quality
 - C. Provides high total egg income
 - D. Low feed conversion ratio with high egg production
- II. Use labor saving equipment
 - A. Cuts costs of labor per hen
 - B. Allows for maximum number of birds per operator
- III. Make replacements three or four times a year; or better still, all at once
 - A. Evens out production during the year
 - B. Evens out work-load over the year
 - C. Allows for age group handling of birds
 - D. Culling, moving, and production records more easily handled
 - E. Better pullets produced with more individualized attention to each brood
 - F. Disease hazard of several different age groups of pullets minimized

HOW WE COMPARE WITH OTHER YEARS

	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
Number of Records	21	24	23	17	24	27	24	24	20	18	18	13	13
Ave. Number Hens per Flock	1619	1734	1716	1784	1920	2293	2759	2856	3140	2989	3986	4588	6739
Eggs Laid per Hen	197	210	209	228	218	228	231	232	236	243	243	232	227
<u>HENS: % Mortality</u>	22	16	14	11	15	13	11	12	11	11	12	15	18
% Culled	92	82	104	118	97	96	87	101	84	81	65	60	71
% Added	130	99	121	138	131	129	125	115	108	100	103	95	94
% Increase/Decrease	16	1	3	9	19	20	27	2	13	8	26	18	6
Ave Price Mash, Grain (CWT)	3.93	3.67	4.04	4.42	4.14	3.79	3.60	3.58	3.50	3.47	3.44	3.21	3.26
Lbs mash, grain per Hen	141	128	138	146	144	135	135	127	126	123	122	124	116
Per Cent Mash	64	62	55	57	53	56	49	55	59	61	70	71	81
Hours Labor per Hen	1.8	1.4	1.5	1.2	1.2	1.2	1.0	1.0	1.1	.9	.8	.7	.5
Ave Price per Dozen Eggs	49.5	41.9	54.9	48.6	55.0	40.7	42.8	40.1	36.7	38.4	30.7	35.2	33.0
Net Cost per Dozen	45.1	37.8	42.3	42.3	42.3	38.3	33.3	33.8	32.5	31.4	28.6	30.7	29.5
Mgt Income per Dozen	4.4	4.1	12.6	6.3	12.7	2.4	9.5	6.3	4.2	7.0	2.1	5.4	3.5
<u>INCOME PER HEN: Egg Sales</u>	8.19	7.36	9.74	9.47	10.37	8.05	8.59	8.11	7.58	8.01	6.49	6.95	6.33
Poultry Sales	.67	.73	1.32	1.01	.95	.57	.56	.56	.40	.42	.26	.21	.19
Miscellaneous Income	.22	.22	.30	.05	.03	.04	.02	.02	.02	.01	--	--	--
Inventory Change	.26	--	-.12	.28	.57	.43	.60	.07	.10	.07	.54	.26	.18
TOTAL INCOME	9.34	8.31	11.24	10.81	11.92	9.09	9.77	8.76	8.10	8.51	7.29	7.42	6.70
<u>CASH & DEPR. COSTS: Feed</u>	5.68	4.78	5.66	6.51	6.03	5.15	4.91	4.60	4.46	4.32	4.25	3.89	3.80
Stock Bought	--	.53	.74	.78	.66	.60	.53	.48	.45	.51	.81	.60	.57
Miscellaneous Costs	.68	.45	.53	.48	.57	.62	.47	.49	.46	.42	.32	.34	.38
Depreciation	.23	.21	.30	.32	.26	.27	.25	.26	.27	.27	.30	.28	.23
Hired Labor	.25	.26	.38	.15	.17	.24	.22	.24	.27	.30	.19	.24	.23
<u>TOTAL CASH & DEPR. COSTS</u>	6.84	6.23	7.61	8.24	7.69	6.88	6.38	6.07	5.91	5.82	5.87	5.35	5.21
<u>FARM INCOME</u>	2.50	2.08	3.63	2.57	4.23	2.21	3.38	2.69	2.19	2.69	1.42	2.07	1.49
Family Labor	1.51	1.12	1.11	1.06	1.55	1.45	1.20	1.16	1.10	1.02	.96	.78	.60
Interest on Investment	.26	.24	.29	.28	.28	.29	.28	.27	.23	.22	.19	.21	.21
<u>MANAGEMENT INCOME</u>	.73	.72	2.23	1.23	2.40	.47	1.90	1.26	.86	1.45	.27	1.08	.63

The above study averages for Sonoma County for the last thirteen years represents a small sample from a large poultry industry and should indicate trends. However, they should not be considered applicable to the entire poultry business in this county. The 1961 records show a decided increase in number of birds per ranch and the trend toward increasing flock size is continuing. Egg prices and farm income per hen are the second lowest since this study started in 1949. In 1961 poultrymen received 2.2 cents less per dozen than in 1960. In addition, we had the lowest cull price in 1961 - 28.5, causing the low figure of 19 cents per average hen for poultry sales. The total costs were the lowest and by the same token the total income is the lowest this year. However, in 1959 the average egg price was only 30.7 cents per dozen. The question is, will the egg prices for 1962 be similar to 1961 or 1959. The answer will be in the 1962 Egg Production and Management Study or other market information.

THE CALIFORNIA POULTRY INDUSTRY

California Poultry Statistics

California plays an important role in the national production and consumption of turkeys, eggs and broilers. Currently, California ranks number one in the production of eggs and turkeys, and number ten in the production of broiler meat.

In 1960, California had 9 per cent of the total United States' population. One would therefore expect that we consumed somewhere near 9 per cent of the total United States' consumption of turkeys, eggs and broilers. In relation to the United States' total production, California produced, by weight, 19 per cent of the turkeys and 3.2 per cent of the broilers, as well as 9.3 per cent of the eggs.

This was quite a change from 1950, when California had 7.1 per cent of the United States' population and produced 6.9 per cent of the broilers, 5.9 per cent of the eggs, and 18 per cent of the turkeys.

Thus, ten years ago we imported fairly large quantities of eggs, some broiler meat, and probably exported more turkey meat than we do today.

SOURCES

Number of farms reporting taken from U. S. Bureau of the Census, Census of Agriculture 1959--California Counties.

Population estimates obtained from California State Department of Finance.

U. S. Economic Research Service, Poultry and Egg Situation, November, 1961, and earlier issues.

California Crop and Livestock Reporting Service, Poultry and Hatchery Production in California, annual issues.

California Poultry Industry, Today & Tomorrow, by Olan D. Forker

	Unit	1950	1955	1960	1961 ^{a/}
California population	thousands	10,668	13,003	15,860	16,445
<u>Eggs</u>					
Average number of laying hens:					
United States	millions	34.0	309	294	b/
California	"	13	21	25	28
Eggs per layer:					
United States	number	174	192	209	
California	"	192	211	225	226
Eggs produced:					
California	millions	3,469	4,404	5,678	6,248
Average farm price:					
United States	cents per dozen	36.3	39.5	36.0	35.3 ^{c/}
California	"	41.5	41.7	35.6	33.8
California cash farm receipts from the sale of eggs	million dollars	114	149	167	
Number of farms reporting eggs sold, California	number	28,393	17,473	8,850	
<u>Broilers</u>					
California production ^{d/}	million pounds	98	110	140	152
United States consumption per capita ^{d/}	pounds	8.7	13.8	23.5	25.0
California production per capita ^{d/}	"	9.2	8.5	8.8	9.2
Average farm price, live weight:					
United States	cents per pound	27.4	25.2	16.9	11.2 ^{e/}
California	"	30.8	27.9	19.0	15.6 ^{e/}
California cash farm receipts from sale of broilers	million dollars	41	42	36	
Number of farms reporting broilers sold, California	number		2,150	817	
<u>Turkeys</u>					
Turkeys raised:					
United States	millions	44	66	85	107
California	"	7.2	10.2	14.5	18.0
Pounds sold from farms and consumed on farms, live weight:					
United States	million pounds	820	1,090	1,488	1,872
California	"	150	190	279	345
United States consumption per capita ^{d/}	pounds	4.1	5.0	6.3	7.4
Average farm price, live weight:					
United States	cents per pound	32.9	30.2	25.4	20.7 ^{e/}
California	"	28.5	28.8	25.5	20.7
California cash receipts from the sale of turkeys	million dollars	42.3	54.7	71.1	
Number of farms reporting turkeys sold, California	number	7,792	6,125	2,452	

a/ Estimated

b/ Blanks indicate data not available

c/ Simple average

d/ Ready to cook