

PY-CA-54-1

POULTRY MANAGEMENT STUDIES IN CALIFORNIA
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Poultry Management Studies have been conducted in California by the Agricultural Extension Service since 1925. These studies are conducted on a county basis under the supervision of a County Farm Advisor. Cooperating poultrymen submit monthly reports covering the operation of their poultry flocks. These records are summarized and an annual report is issued by the county conducting the study.

The purpose of these studies is to assist the cooperating poultrymen in the improvement of their management practices and to disclose basic management information of value to the poultry industry.

These studies have been conducted in most of the

important poultry areas of the state. The table on the reverse side of this sheet presents a condensed summary of several major factors in poultry management as shown by these studies. Since these records vary by locality and in number from year to year, the results are not presented as averages for the state. However, the results are representative of the poultry industry of the state and reflect trends over the period shown by the table.

Copies of the studies can be obtained from the Office of the Agricultural Extension Service in the county conducting the study as long as they are available.

Explanation of Terms

Number of Records is the number of egg production enterprise records obtained for the year shown. Records cover the poultry enterprise only, including the raising of replacement pullets and occasionally some meat birds.

Number of Hens per Flock is the average number of hens over 6 months of age figured on a hen-day basis.

Eggs Laid per Hen is the total eggs laid divided by the average number of hens.

Per cent Fall Eggs is the number of eggs laid during September to December inclusive divided by the total eggs laid.

Per cent Mortality is the number of hens died divided by the average number of hens.

Per cent Culled is the number of hens sold and eaten in the home divided by the average number.

Feed Cost per Cwt. is the total cost of mash and grain divided by the amount used.

Average Price per Dozen Eggs is the average price received for all eggs sold including hatching and home use.

Cost per Dozen Eggs Sold is the total cost of production less income not egg.

Management Income per Dozen Eggs Sold is the Average Price less Cost.

Total Income includes egg sales, stock sales, sack and manure sales, and changes in stock inventory.

Total Cost includes cash costs, value of family labor, depreciation, and interest on investment.

Management Income is Total Income Minus Total Cost.

Farm Income is Management Income plus value of family labor and interest on investment. It is the return to the operator for his labor, investment, and management.

Egg-Feed Ratio is the pounds of feed which can be purchased with a dozen eggs.

SUMMARY OF POULTRY MANAGEMENT STUDIES IN CALIFORNIA SINCE 1925

Year	No. of Rec-ords	No. Hens per Flock	Eggs Laid per Hen	%	%	Laying Flock		Feed Cost per Cwt.	Cents per Dozen Eggs Sold			Dollars per Hen				Egg-Feed Ratio
						%	%		Av. Price	Cost	Mgt. Income	Total Income	Total Cost	Mgt. Income	Farm Income	
1925	38	1,651	138	-	-	20	29	2.60	36.5	33.4	3.1	4.21	3.85	.36	1.23	14.1
1926	57	618	151	-	-	15	30	2.45	29.2	24.2	5.0	4.13	3.50	.63	1.50	11.9
1927	249	1,085	139	23	52	22	34	2.53	27.7	26.9	.8	3.59	3.50	.09	.99	11.0
1928	235	1,266	145	23	48	21	36	2.60	29.6	26.0	3.6	3.94	3.51	.43	1.25	11.4
1929	254	1,360	148	24	52	23	38	2.52	32.8	25.8	7.0	4.55	3.69	.86	1.69	13.0
1930	228	1,627	148	26	51	30	40	2.25	27.6	25.2	2.4	3.62	3.32	.30	1.08	12.2
1931	161	1,118	153	28	60	27	47	1.75	20.4	20.9	-.5	2.88	2.95	-.07	.82	11.6
1932	155	1,159	144	29	46	30	51	1.48	18.4	20.3	-1.9	2.41	2.64	-.23	.55	12.5
1933	113	1,109	146	28	54	33	45	1.49	17.3	19.6	-2.3	2.32	2.61	-.29	.44	11.6
1934	75	1,080	149	29	41	31	50	1.75	21.1	20.8	.3	3.15	3.10	.05	.89	12.0
1935	81	1,255	150	31	56	30	49	1.80	24.1	20.1	4.0	3.55	3.04	.51	1.18	13.3
1936	78	1,178	161	31	60	25	56	1.85	23.6	20.0	3.6	3.58	3.10	.48	1.16	12.8
1937	78	1,237	166	33	59	24	61	2.01	23.0	21.7	1.3	3.61	3.42	.19	.88	11.5
1938	110	1,311	171	32	58	21	61	1.73	24.5	19.6	4.9	3.86	3.15	.71	1.38	14.1
1939	119	1,409	174	34	63	21	69	1.66	21.1	18.1	3.0	3.49	3.05	.44	1.05	12.7
1940	112	1,720	177	33	62	21	61	1.68	21.5	18.3	3.2	3.48	3.00	.48	1.03	12.8
1941	125	1,750	175	33	64	19	63	1.90	28.8	20.6	8.2	4.76	3.54	1.22	1.81	15.1
1942	114	1,938	174	31	67	19	66	2.24	35.7	25.0	10.7	5.75	4.17	1.58	2.35	15.9
1943	85	2,159	176	30	65	18	77	2.52	43.1	27.9	15.2	6.94	4.71	2.23	3.02	17.2
1944	72	2,198	183	31	66	19	84	2.90	39.6	31.0	8.6	6.86	5.52	1.34	2.23	13.7
1945	63	2,326	179	34	76	16	84	2.95	44.5	32.1	12.4	7.54	5.66	1.88	2.77	15.1
1946	61	2,209	177	35	84	15	95	3.64	46.7	41.9	4.8	7.65	6.93	.72	1.65	12.8
1947	93	2,175	188	34	72	15	77	4.23	54.4	43.1	11.3	9.34	7.55	1.79	2.85	12.5
1948	114	2,024	186	35	71	16	76	4.36	56.4	46.2	10.2	9.90	8.30	1.60	2.86	12.7
1949	196	1,880	196	36	60	18	78	3.85	49.0	41.8	7.2	8.85	7.67	1.18	2.47	12.5
1950	248	1,881	202	36	77	16	77	3.63	42.8	37.7	5.1	7.93	7.06	.87	2.13	11.5
1951	245	2,114	201	38	77	15	83	4.05	54.5	42.3	12.2	10.04	7.98	2.06	3.33	13.5
1952	213	2,592	207	37	80	15	84	4.42	47.7	43.8	3.9	8.88	8.20	.68	1.83	11.8
1953	244	2,754	213	37	79	14	83	4.09	52.5	41.2	11.3	10.38	8.37	2.01	3.21	12.6
1954	222	3,002	223			14	94	3.81	37.6	37.7	-.1	7.77	7.79	-.02	1.03	9.9

SUMMARY OF CALIFORNIA POULTRY MANAGEMENT STUDIES FOR 1954

University of California - Agricultural Extension Service - A. D. Reed, Extension Economist

File 6.516

	Alameda	Los Angeles	Napa	Orange	Placer	San Bernardino	San Diego	San Joaquin	Santa Cruz, Mont'ry S.Benito	Sonoma	Butte	River-side	Sacra-mento	State average
Record Year Ending														
No. records	22	12	7	6	7	19	38	6	12	27	12	23	31	222
Av. no. hens	2638	2077	1493	3324	2469	2571	3719	4157	1932	2293	1017	2805	5124	3002
Eggs per hen	208	235	212	250	221	229	235	228	218	228	235	234	203	223
% mortality	22	9	25	9	14	12	14	19	17	13	17	10	11	14
% culled	98	96	91	97	99	108	86	102	87	96	106	96	93	94
Cost mash	4.38	4.13	4.31	4.05	4.21	4.00	3.95	3.94	4.76	4.30	4.36	3.99	3.91	4.07
Cost grain	3.01	3.35	2.86	----	3.01	3.07	4.95	2.62	2.86	3.13	3.03	2.69	2.93	2.96
Average cost m & g.	3.94	4.08	3.82	4.05	3.91	3.91	3.95	3.40	3.99	3.79	4.13	3.92	3.49	3.81
Lbs. feed per hen	134	131	132	144	137	142	123	127	143	135	129	133	120	129
Percent mash	68	94	66	100	74	91	100	59	59	56	83	95	57	77
Hours labor per hen	1.0	1.5	1.6	1.4	.9	1.2	1.0	1.3	1.4	1.2	1.7	1.1	1.2	1.2
Average price eggs	42.0	39.9	39.1	38.6	37.7	38.4	36.8	39.0	42.8	40.7	37.6	36.4	34.1	37.6
Net cost per dozen	41.6	39.8	42.0	40.2	34.3	39.6	34.1	34.9	41.9	38.3	39.7	36.4	38.7	37.7
Management income	.4	.1	-2.9	-1.6	3.4	-1.2	2.7	4.1	.9	2.4	-2.1	--	-4.6	-.1
Income per hen														
Eggs sales	7.52	7.63	6.94	8.03	7.45	7.32	7.12	7.54	7.87	8.05	7.57	7.05	5.92	7.06
Poultry sales	.53	.65	.44	.48	.52	.62	.45	.56	.61	.57	.63	.52	.45	.51
Miscellaneous	.06	.06	--	.06	.09	.09	.04	.06	.12	.04	.04	.06	.04	.05
Inventory change	-.04	.07	.05	.37	.61	.16	.12	-.04	.32	.43	.09	.14	.07	.15
Total	8.07	8.41	7.43	8.94	8.67	8.19	7.73	8.12	8.92	9.09	8.33	7.77	6.48	7.77
Cash & Depreciation														
Feed	5.31	5.37	5.08	5.82	5.42	5.61	4.86	4.41	5.73	5.15	5.39	5.26	4.23	4.96
Chicks	.46	.47	.56	.60	.64	.62	.46	.50	.38	.60	.55	.50	.46	.50
Misc.	.45	.45	.42	.63	.51	.45	.40	.57	.69	.62	.55	.47	.78	.55
Depreciation	.32	.29	.22	.35	.24	.25	.34	.23	.27	.27	.31	.21	.33	.30
Hired Labor	.14	.26	.47	.45	.14	.37	.40	.74	.11	.24	.24	.32	.76	.43
Total	6.68	6.84	6.75	7.85	6.95	7.30	6.46	6.45	7.18	6.88	7.04	6.76	6.56	6.74
Farm income	1.39	1.57	.68	1.09	1.72	.89	1.27	1.67	1.74	2.21	1.29	1.01	-.08	1.03
Family labor	1.07	1.26	.99	1.16	.83	.87	.54	.61	1.30	1.45	1.49	.80	.44	.80
Interest	.25	.29	.21	.26	.22	.25	.20	.26	.28	.29	.23	.22	.29	.25
Management Income	.07	.02	-.52	-.33	.67	-.23	.53	.80	.16	.47	-.43	-.01	-.81	-.02
	1.21	2.03	.47	.68	1.90	X .97	2.02	1.91	1.67	X 2.84	2.62	1.73	.85	2.84
	-3.15	-2.96	-2.95	-2.11	.10	-4.87	-2.41	-.79	-2.91	-2.95	-2.79	-2.90	-3.38	-4.87