

# 25th Annual Poultry Management Study

UNIVERSITY OF CALIFORNIA AGRICULTURAL EXTENSION SERVICE, SAN BERNARDINO COUNTY

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1955	5.7% MISCELLANEOUS
TOTAL	6.4% INTEREST, TAXES, DEPRECIATION, AND UTILITIES
COSTS	12.7% HIRED AND FAMILY LABOR (COMBINED)
	21.2% REPLACEMENT (CHICK PLUS PULLET FEED)
	54% FEED (TOTAL FEED MINUS PULLET FEED)

THE 1955 POULTRY COST STUDY

A year ago we stressed the need of greater attention to brooding and rearing pullets. Also, a daily clean-up on feed to build better appetites for the birds.

In spite of the hottest summer in history and of the twenty-five per cent larger flocks by this year's cooperators, egg production per hen exceeded 1954, chick mortality was less, culling was less, and the hen mortality below that of 1954. This is progress in good management. Greater attention to brooding should result in less pullet mortality, in healthier hens which lay more eggs, need less culling, and have a lower per cent of mortality. Cooperators made these improvements and spent ten per cent less time per hen on their flocks than in 1954.

In spite of the very unfavorable egg feed ratio at the beginning of 1955, by mid-year conditions changed so rapidly that the year must be considered a good one for the commercial egg producer.

Here is a comparison of actual farm records in the same county for nearly thirty years. Note the changes in management and the difference in practices in this time.

<u>Item</u>	<u>1928</u>	<u>1938</u>	<u>1948</u>	<u>1955</u>
Number of Cooperators	26	7	19	17
Hens per farm	889	1482	2128	3154
Eggs per hen	142	179	192	231
Per cent mortality	19	19.5	16	9
Per cent culling	25	61	75	80
Egg price per dozen	28.4	24.9	57.4	46.7
Price per cull hen	48.4	45.0	1.22	63.2
Per cent of feed mash	51%	57%	78%	87%
Mash per 100 pounds	2.50	2.03	4.86	3.84
Grain per 100 pounds	2.38	1.38	3.86	2.99
Hours of labor per hen	3.0	2.7	1.7	1.1
Farm income per hen	1.27	1.74	2.97	<del>2.80</del> 2.77
Management income per hen	.23	.96	1.68	1.75

BREAKDOWN OF INCOME AND EXPENSE PER HEN

SAN BERNARDINO COUNTY

Ranch Number	Income Per Hen			Cash and Depreciation Costs Per Hen					Non-Cash Cost			Management Income			
	Egg Sales	Poultry Sales	Misc. Income	Change Stock Inv.	Total	Feed	Per Hen		Farm Inc.	Family Labor	Interest				
							Chix	Depreciation					Hired Labor	Total	
12	8.69	.52	.25	-.07	9.39	4.30	.35	.24	.28	-	5.17	4.22	.71	2.1	3.30
10	9.53	.79	.06	1.99	11.37	5.78	.92	.51	.20	.36	7.77	3.60	.67	.29	2.64
17	8.74	.29	.13	1.54	9.70	4.71	.46	.45	.16	.16	5.94	3.76	.89	.27	2.60
2	8.70	.82	.12	-.02	9.62	5.05	.50	.28	.19	.03	6.05	3.57	.89	.24	2.44
4	9.37	.44	.16	.70	10.67	5.77	.63	.45	.32	.17	7.34	3.33	.71	.25	2.37
26	8.46	.54	.18	.07	9.25	4.81	.33	.40	.14	.08	5.76	3.49	.96	.23	2.30
20	8.15	4.18	.05	1.24	13.62	7.59	1.29	.40	.29	.62	10.19	3.43	1.03	.23	2.17
21	6.88	.47	.44	.18	7.97	4.31	.43	.52	.14	.39	5.79	2.18	.24	.14	1.80
5	7.84	.71	.12	.11	8.78	4.95	.27	.41	.15	.54	6.32	2.46	.62	.25	1.59
15	8.30	.83	.07	.28	9.48	5.60	.62	.47	.14	.01	6.84	2.64	.87	.18	1.59
29	7.94	.04	-	2.70	10.68	5.91	.94	.61	.46	.07	7.99	2.69	.71	.44	1.54
6	8.03	.61	.13	.60	9.37	5.48	.90	.35	.37	.04	7.14	2.23	.67	.34	1.22
11	8.12	.75	-	.68	9.55	5.08	.82	.57	.51	-	6.98	2.57	.97	.40	1.20
22	8.79	.26	.12	1.26	10.43	5.39	.57	.56	.43	-	6.95	3.48	1.73	.67	1.08
27	8.10	.62	.01	-.04	8.69	5.57	.34	.29	.20	.07	6.47	2.22	1.05	.19	.98
9	7.66	.30	.09	.09	8.14	4.95	.29	.39	.22	.46	6.31	1.83	.76	.18	.89
28	8.30	.43	.07	.10	8.90	5.91	.60	.37	.26	.06	7.20	1.70	.88	.25	.57
AVG.	8.17	.72	.15	.51	9.55	5.26	.60	.45	.24	.23	6.78	2.77	.76	.26	1.75

EGG PRODUCTION DATA

SAN BERNARDINO COUNTY

Ranch Number	Eggs Per Hen	Per Cent of Market Eggs Sold			Eggs To Sept. 1st	Eggs Last Four Months	% Prod. Last Four Months	Total Pullets Added	% of Flock Pullets	Value Per Dozen			Price Rec'd Per CullHen
		Large	Medium	Small						Av. Price	Net Cost	Mgt. Income	
12	251	58	32	10	170	81	66	1650	89	43.5	28.2	15.2	54.6
10	255	60	33	7	165	90	74	8526	96	50.0	38.3	11.7	84.8
17	241	67	27	6	161	80	66	2813	76	46.7	34.2	12.5	53.0
2	234	63	26	11	158	76	62	2163	95	46.2	34.6	11.6	80.8
4	256	71	24	5	171	85	70	2356	80	48.3	37.7	10.6	50.8
26	244	57	31	12	168	76	62	1914	93	44.3	33.3	11.0	61.8
20	161*	26	53	21	96	65	53	3887	100	44.2	37.2	7.0	100.0 1.00
21	199	50	38	12	136	63	52	10362	88	45.9	35.6	10.3	47.6
5	224	61	28	11	152	72	59	5668	70	45.9	37.6	8.3	77.9
15	246	66	23	11	163	83	68	5402	96	47.4	39.5	7.9	76.5
29	220*	47	38	15	135	85	70	3799	100	53.0	45.5	7.5	48.6
6	228	73	22	5	157	71	58	4634	90	48.3	42.1	6.2	82.6
11	244	72	21	7	164	80	66	3136	84	48.7	42.6	6.1	86.0
22	249	60	31	9	176	73	60	2401	100	50.3	45.1	5.2	79.6
27	248	74	20	6	170	78	64	2904	69	44.4	39.3	5.1	75.5
9	221	60	31	9	155	66	54	2277	73	44.2	39.4	4.9	61.3
28	235	61	30	9	157	78	64	2539	84	43.3	40.6	2.7	43.2
AVG.	231	64	27	9	158	73	63	3908	87	46.7	38.3	8.4	63.2

\* Record 260 days

x Record 306 days

## FACTORS AFFECTING MANAGEMENT PRACTICES AND PROFIT

SAN BERNARDINO COUNTY

Ranch Number	Ranch Size*	Breed	Type of House	Percent of Laying Flock		Hours Labor Per Hen	Lbs. Feed Per Hen		% Mash	Cost Per Cwt.			Per-cent Chicks Lost	
				Died	Culled		Added	Total		Est. for Pullets	Est. for Hens	Mash		Grain
12	A	WL & Grays	Cage	3	95	107	.71	124	27	97	3.78	3.37	3.77	6
10	C	A.W.	Cage	8	94	168	.96	155	42	88	3.70	3.26	3.65	19
17	B	W.L.	Shed Roof	5	52	107	1.04	131	27	59	4.22	2.56	3.56	2
2	A	A.W.	Cage	6	100	106	.92	142	27	100	3.56	-	3.56	2
4	A	W.L.	Cage	6	86	125	1.00	150	32	96	3.89	3.43	3.87	4
26	A	W.L.	Fl.&Mun.	5	86	96	1.35	122	24	70	4.56	2.68	3.91	1
20	A	NH & GL	Fl.&Cage	14	34	167	1.70	194	74	74	3.97	3.23	3.86	5
21	C	W.L.	Floor	10	95	123	.62	123	31	75	3.69	2.87	3.47	10
5	C	WL & AW	Cage&Fl.	8	90	101	1.20	139	30	86	3.69	2.61	3.55	7
15	B	G. L.	Cage, Mun.	10	109	134	.88	161	34	93	3.55	2.67	3.47	21
29	A	W.L.	Cage	10	85	165	.80	163	41	100	3.63	-	3.63	7
6	B	A.W.	Cage	16	72	107	.70	149	27	93	3.83	2.93	3.64	25
11	B	A.W.	Cage	5	86	109	.97	149	28	100	3.41	-	3.41	24
22	A	A.W.	Cage	6	32	126	2.40	145	32	100	3.72	-	3.72	Extras
27	A	W.L.	Cage	31	84	130	1.04	138	33	100	3.92	-	3.92	9
9	B	W.L.	Floor	10	48	82	1.10	147	21	48	3.99	2.73	3.33	4
28	A	W.L.	Cage	6	109	125	.94	141	31	97	4.18	3.49	4.15	9
Avg.	3154	-	-	9.3	80	122	1.08	146	33	87	3.84	2.99	3.67	9

\*A - Under 2,500

B - 2,500 - 5,000

C - Over 5,000

SUMMARY OF SAN BERNARDINO COUNTY POULTRY STUDY SINCE 1945

	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Number of records	8	6	14	19	21	35	27	29	26	19	17
Average number of hens	1864	1960	2077	2128	1926	1897	2271	2449	2601	2571	3154
Eggs per hen	192	194	185	192	196	201	197	207	221	229	231
Per cent fall eggs	29	35	32	31	34	35	35	37	35	34	38
% Production during fall	45	51	44	46	50	53	52	56	59	62	63
Per cent mortality	19	18	16	16	17	16	15	15	12	12	9
Per cent culled	78	105	68	75	68	79	84	98	97	108	80
Percent mortality chicks	20	12	17	12	13	11	14	13	13	13	9
Hours labor per hen	1.6	1.6	1.6	1.7	1.7	1.6	1.4	1.3	1.3	1.2	1.1
Pounds feed per hen	128	147	141	142	138	152	138	143	144	142	146
Per cent mash	70	82	76	78	73	77	80	88	90	91	87
Cost per cwt: Mash	3.44	4.15	4.72	4.86	4.33	3.98	4.23	4.62	4.28	4.00	3.84
Grain	2.80	3.30	3.43	3.86	2.88	2.82	3.20	3.77	3.44	3.07	2.99
Average	3.25	4.00	4.41	4.64	3.93	3.71	4.02	4.52	4.20	3.91	3.67
Egg-feed ratio	13.7	12.0	13.2	12.3	13.2	11.5	13.9	10.2	12.2	9.8	12.7
Price per cull hen	1.05	1.02	1.14	1.22	.99	.81	.90	.67	.76	.57	.63
Average price per dozen	44.4	49.3	57.8	57.4	51.7	43.4	55.8	46.5	52.2	38.4	46.7
Net cost per dozen	32.1	41.4	44.8	46.9	42.0	37.1	42.0	45.5	40.7	39.6	38.3
Management income	12.3	7.9	13.0	10.5	9.7	6.3	13.8	1.0	11.5	-1.2	8.4
Income per hen	8.55	9.77	11.04	11.24	9.90	8.53	10.73	9.45	10.99	8.19	9.55
Cash cost per hen	5.48	7.41	7.71	8.27	6.95	6.31	7.10	8.02	7.63	7.30	6.78
Farm income per hen	3.07	2.36	3.33	2.97	2.95	2.22	3.63	1.43	3.36	.89	2.80
Mgt. income per hen	1.95	1.27	2.04	1.68	1.62	1.07	2.29	.19	2.17	-.23	1.78