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POULTRY COST STUDY

County of San Bernardino

UNIVERSITY OF CALIFORNIA AGRICULTURAL EXTENSION SERVICE

UC Cooperative Extension

RECORDS ARE USEFUL EDUCATION TOOLS

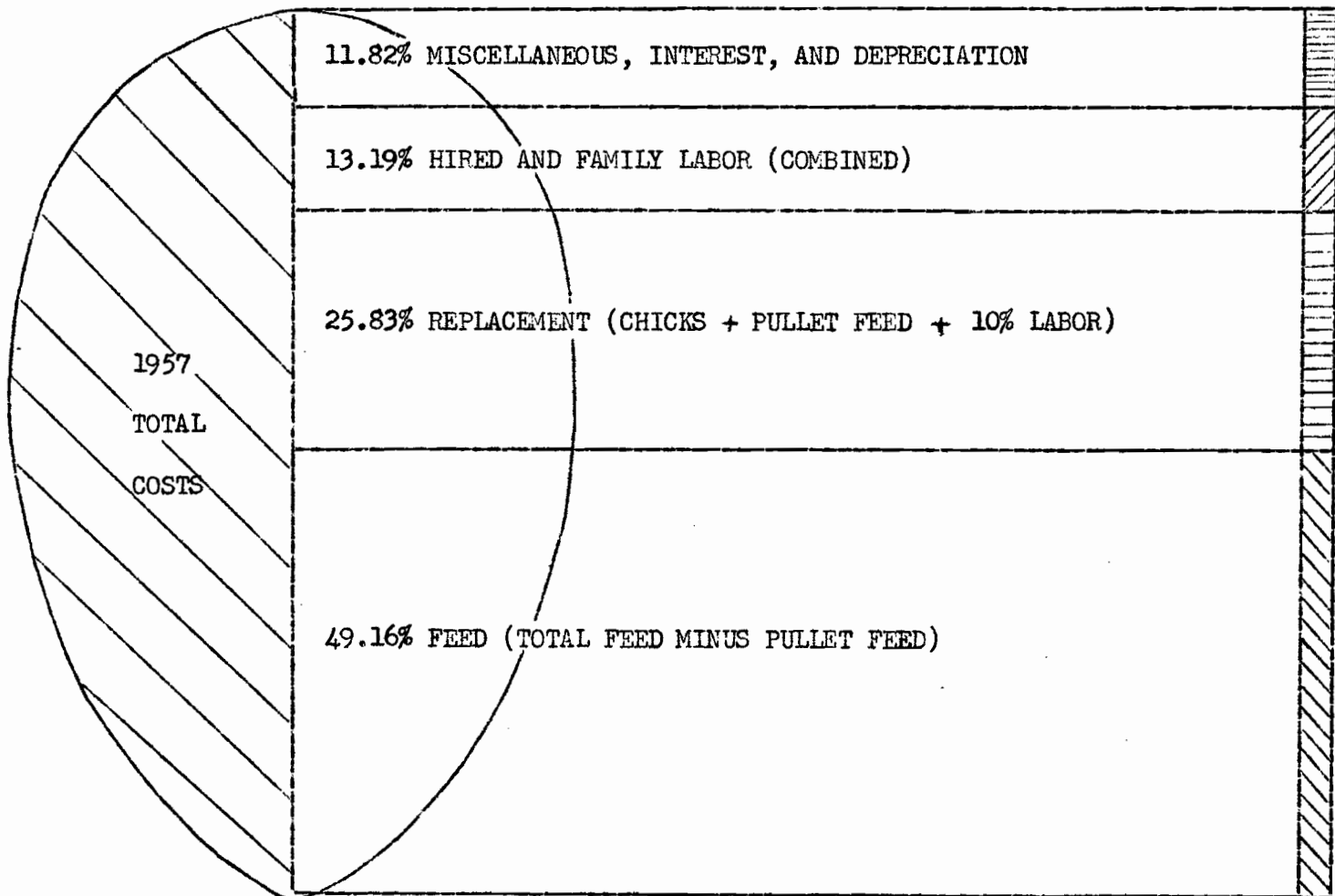
It has been fun, a privilege, and a fine education for me to have studied and analyzed these poultry cost records in the past. The association with a group of progressive poultrymen from year to year, who are always seeking methods for better flock management or egg quality, is in itself very stimulating. It is my belief that because of these records, we here in Southern California have developed the most efficient poultry production practices in America. I hope you feel as I do and will continue the study. Progress through education is a safe course.

Joseph P. Hertel
Farm Advisor

I would like to express my appreciation to Joe Hertel, who will be leaving our organization this year. The Annual Cost Study has been one of Joe's sources of information in his work in the county for the past twenty-seven years. It is our hope, in the future years, to continue with these Cost Studies and rotate the cooperators in such a way that we can get a general overall picture of egg production and management in this county.

These Studies cannot necessarily be considered an average of all the egg producers in the county. They should be considered, however, an indication of what can be done on ranches of various hen populations under current economic conditions.

W. O. Watson
Farm Advisor



THE 1957 POULTRY COST STUDY

SAN BERNARDINO COUNTY

This is the trend of egg production in San Bernardino County over the past years that Mr. Joe Hertel has continued the Cost Study. He has been extremely interested in the phase of the industry because he feels progress is accomplished through the keeping and using of adequate records.

Production has continually increased. The average number of hens per ranch has also gone up. Better breeding in the genetic make-up of the chick has lowered mortality. Efficiency on the ranch has made it possible to lessen the labor requirement per bird.

As competition grows more keen and a surplus of eggs becomes more evident, records will mean more and more to the poultryman.

	<u>Average</u> <u>1928-1934</u>	<u>1940</u>	<u>1950</u>	<u>1956</u>	<u>1957</u>
Number of cooperators	28	9	35	17	13
Number of hens	955	1455	1897	3707	4273
Number of eggs	141	183	201	241	244
Per cent mortality	31	21	16	8	7
Per cent hens culled	31	22	79	95	86
Egg price per dozen	24.4	21.5	43.4	39.9	36.7
Price per cull hen	45	38	81	60	41
Per cent of feed mash	54	62	77	91	95
Mash per 100 pounds	2.07	2.04	3.98	3.73	3.49
Grain per 100 pounds	1.73	1.34	2.82	3.05	2.80
Hours labor per hen	1.9	1.8	1.6	0.9	0.85
Farm income per hen	.84	1.15	2.22	2.65	1.94
Management income per hen	-.03	.47	1.07	1.73	1.10

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	Chix	Misc.	Depreciation	Hired Labor	Total	Farm Inc.	Family Labor	Interest	
13	8.10	.40	.09	.05	8.64	4.62	.39	.26	.30	-	5.57	3.07	.66	.24	2.18
9	7.53	.24	.05	.89	8.72	4.88	.15	.30	.17	.30	5.80	2.92	.68	.21	2.03
11	7.96	.53	.02	.14	8.65	4.70	.56	.39	.17	.68	6.49	2.16	.21	.22	1.73
4	8.36	.28	.09	.97	9.70	5.23	.80	.60	.35	.26	7.24	2.46	.50	.29	1.76
14	7.75	.57	.09	.35	8.77	5.16	.60	.50	.07	.13	6.46	2.31	.67	.15	1.48
3	7.49	.65	.25	.02	8.41	4.98	.53	.23	.18	.05	5.97	2.45	.84	.24	1.37
7	7.47	.32	.03	.06	7.88	4.51	.48	.49	.20	.42	6.10	1.78	.32	.19	1.27
1	7.83	.38	.03	.62	8.68	5.40	.52	.30	.29	.02	6.53	2.33	.84	.24	1.25
12	7.70	.40	.06	-.09	8.07	4.46	.48	.24	.42	.01	5.60	2.46	.99	.29	1.18
16	7.06	.28	.09	-.01	7.42	4.41	.42	.48	.23	.26	5.80	1.63	.77	.24	.61
2	6.67	.32	.01	-.02	6.71	4.59	.39	.43	.29	.28	5.98	.73	.30	.26	.18
15	7.23	.49	-	-.07	7.65	4.51	1.87	.32	.23	.29	7.22	.42	.32	.17	-.09
19	6.74	.30	.22	-1.27	5.99	3.71	.15	.37	.27	1.01	5.50	.49	.76	.24	-.51
Av.Hi.6	7.87	.45	.10	.40	8.82	4.92	.52	.38	.21	.24	6.25	2.56	.59	.23	1.74
Av.Lo.7	7.27	.37	.06	-.11	7.50	4.50	.62	.38	.27	.33	6.10	1.41	.61	.23	.56
Av.All	7.53	.41	.08	.13	8.11	4.69	.57	.38	.24	.29	6.17	1.94	.60	.23	1.10

EGG PRODUCTION DATA PER HEN

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 Cull Hen
		Large	Medium	Small						Av. Price	Net Cost	Mgt. Income	
13	260	70.5	21.9	7.6	172.0	88.0	72.0	1310	85.0	36.2	28.9	7.3	46.2
9	242	65.9	24.5	9.6	163.3	78.7	64.7	2434	84.2	37.1	33.0	4.1	35.3
11	251	-	-	-	161.2	81.8	67.0	10154	97.1	36.2	31.5	4.7	54.9
4	262	77.1	18.8	4.0	177.0	85.0	69.7	3794	92.4	37.8	36.3	1.5	38.1
14	265	68.8	22.9	8.3	172.4	93.6	69.7	5444	65.2	36.6	34.4	2.2	60.0
3	235	60.6	26.6	12.7	155.0	80.0	65.2	2247	91.0	35.5	33.4	2.1	56.2
7	239	78.3	17.4	4.3	151.1	77.9	62.6	8187	85.6	37.5	33.2	4.3	46.2
1	249	64.4	25.4	10.2	166.0	83.0	65.2	1995	79.0	37.6	36.6	1.0	43.0
12	252	67.7	25.6	6.7	170.1	81.9	67.1	5607	83.1	35.8	31.9	3.9	57.5
16	234	57.0	35.1	7.8	159.0	75.0	61.6	2667	74.1	35.0	33.7	1.3	35.1
2	236	63.9	22.2	13.9	156.1	79.9	65.5	5285	82.5	33.9	34.1	0.2	40.8
15	219	-	-	-	146.0	73.0	59.7	8455	98.1	42.8	45.8	-3.0	41.3
19	229	53.5	33.2	13.3	159.0	70.0	56.0	1857	169.8	35.3	35.6	-0.3	37.7
Av. Hi. 6	253	68.6	22.9	8.5	166.8	84.4	68.2	4230	85.8	36.6	32.9	3.7	48.5
Av. Lo. 7	237	64.1	26.5	9.4	157.5	77.2	62.5	4865	96.0	36.8	41.8	1.1	43.1
Av. all	244	66.1	25.0	8.9	162.9	80.5	65.1	4572	91.3	36.7	34.5	2.3	45.6

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	Average		
13	A	GxWL	C	3	86	80	.66	121	20	101	99	3.87	3.00	3.53	3.6	
9	B	WL	F	6	66	82	.99	105	20	85	76	4.03	2.45	3.77	2.0	
11	C	AW	C	5	96	105	.69	130	30	100	100	3.55	-	3.55	13.1	
4	B	WL	C	7	74	130	.81	142	28	114	93	3.79	3.07	3.74	6.0	
14	C	GxWL	C	8	96	102	.75	159	30	129	97	3.56	3.03	3.54	5.0	
3	A	AW	C	8	116	106	.84	146	30	116	100	3.31	-	3.31	0.5	
7	C	AW	C	11	68	87	.61	132	30	102	100	3.62	-	2.76	24.1	
1	A	WL	C	4	89	114	.84	151	28	123	98	3.56	2.95	3.54	0.3	
12	B	AW & L	C	5	70	124	.76	137	30	107	100	3.19	-	3.19	12.2	
16	B	WL	F	5	80	86	1.03	126	20	106	63	3.98	2.47	2.79	12.2	
2	C	WL	C	12	79	97	.51	133	28	105	100	3.33	-	3.33	9.4	
15	B	Cross.	C	13	116	182	.61	122	30	92	100	3.70	-	3.70	6.5	
19	A	WL	F & W	10	79	92	1.55	116	20	96	100	3.67	-	3.67	0	
				Av.Hi.6	6	89	101	.79	134	26	108	96	3.52	2.89	3.59	5.0
				Av.Lo.7	8	83	112	.84	131	27	104	94	3.57	2.71	3.28	9.4
				Av.All	7	86	107	.87	132	27	106	95	3.55	2.80	3.42	7.2

*A - Under 2500

B - 2500 - 5000

C - Over 5000

SUMMARY OF SAN BERNARDINO COUNTY POULTRY STUDY SINCE 1947

	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
Number of records	14	19	21	35	27	29	26	19	17	17	13
Average number of hens	2077	2128	1926	1897	2271	2449	2601	2571	3154	3707	4273
Eggs per hen	185	192	196	201	197	207	221	229	231	241	244
% Production during fall	44	46	50	53	52	56	59	62	63	64	65
Per cent mortality	16	16	17	16	15	15	12	12	9	8	7
Per cent culled	68	75	68	79	84	98	97	108	80	95	86
Percent mortality chicks	17	12	13	11	14	13	13	13	9	11	7
Hours labor per hen	1.6	1.7	1.7	1.6	1.4	1.3	1.3	1.2	1.1	0.9	.78
Pounds feed per hen	141	142	138	132	138	143	144	142	146	140	132
Per cent mash	76	78	73	77	80	88	90	91	87	91	95
Cost per cwt: Mash	4.72	4.86	4.33	3.98	4.23	4.62	4.28	4.00	3.84	3.73	3.49
Grain	3.43	3.86	2.88	2.82	3.20	3.77	3.44	3.07	2.99	3.05	2.80
Average	4.41	4.64	3.93	3.71	4.02	4.52	4.20	3.91	3.67	3.60	3.42
Egg-feed ratio	13.2	12.3	13.2	11.5	13.9	10.2	12.2	9.8	12.7	11.1	10.7
Price per cull hen	1.14	1.22	.99	.81	.90	.67	.76	.57	.63	.60	.41
Average price per doz.	57.8	57.4	51.7	43.4	55.8	46.5	52.2	38.4	46.7	39.9	36.7
Net cost per dozen	44.8	46.9	42.0	37.1	42.0	45.5	40.7	39.6	38.3	36.0	34.5
Management income/Dozen	13.0	10.5	9.7	6.3	13.8	1.0	11.5	-1.2	8.4	3.9	2.3
Income per hen	11.04	11.24	9.90	8.53	10.73	9.45	10.99	8.19	9.55	9.17	8.11
Cash cost per hen	7.71	8.27	6.95	6.31	7.10	8.02	7.63	7.30	6.78	7.44	6.20
Farm income per hen	3.33	2.97	2.95	2.22	3.63	1.43	3.36	.89	2.77	2.65	1.94
Mgt. income per hen	2.04	1.68	1.62	1.07	2.29	.19	2.17	-.23	1.75	1.73	1.10