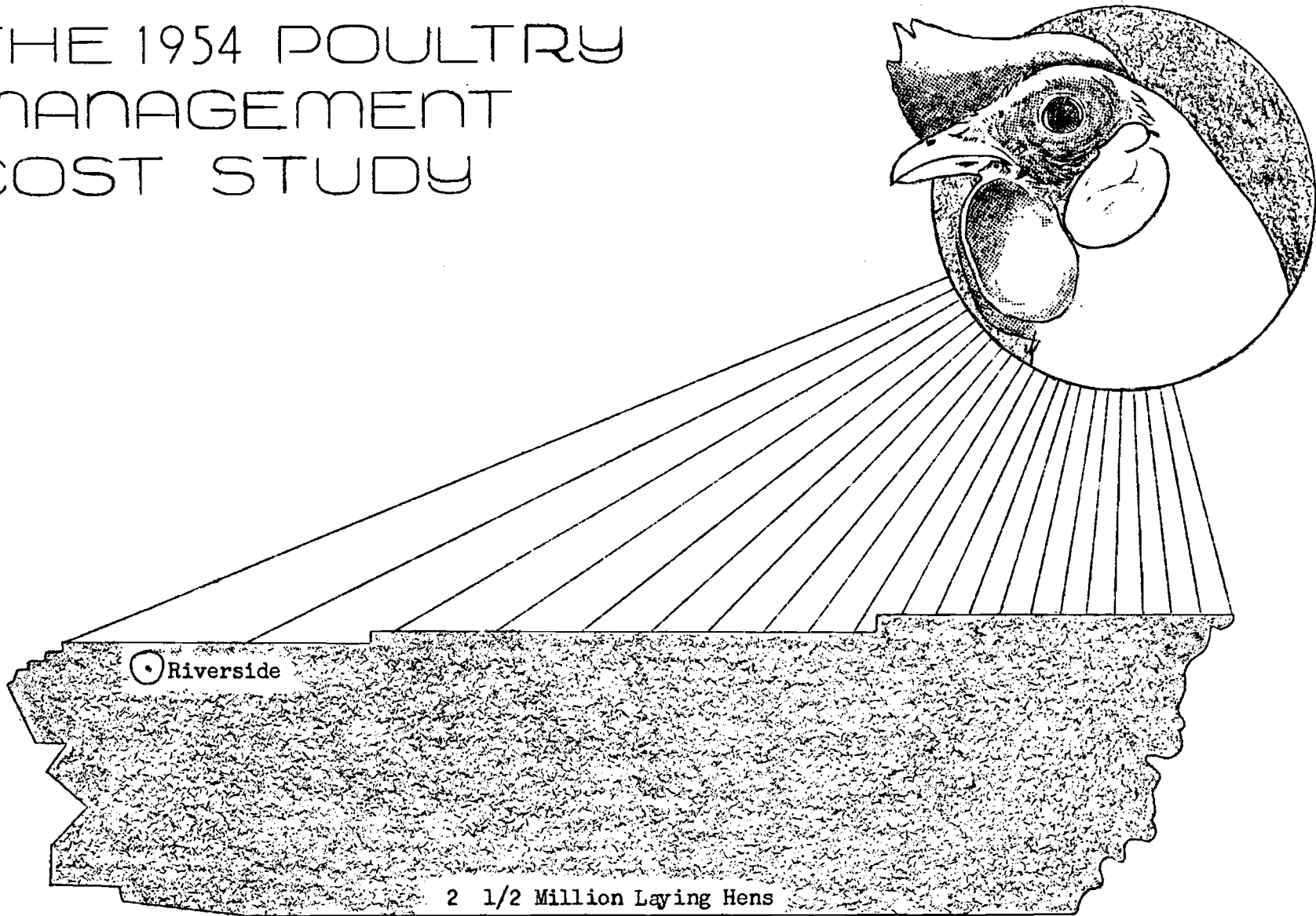


THE 1954 POULTRY MANAGEMENT COST STUDY



University of California
Agricultural Extension Service
Riverside County

Riverside Poultry Management Study

1954

The Riverside County Poultry Management Cost Study conducted by the Agricultural Extension Service of the University of California shows that poultrymen made less money in 1954 than anytime during the past 16 years that the study has been conducted. This study started March 1, 1954 and ended February 28, 1955. The 23 cooperators who completed the study showed an average net loss of $-.01$ per bird after the operator had allowed himself and family \$1.00 an hour for labor and 5 percent interest on investment. However, the 11 high cooperators, profit-wise, showed a management income of $.79$ per bird.

During the past two years, poultrymen have experienced one exceptionally good year and one very poor year, profit-wise. If there is any good to be derived from a year like 1954, probably it is the fact that the average poultryman becomes more conscious of the importance of devoting more attention to the details of good record keeping and following better management practices. In checking the vaccination practices of cooperators this year, we find a much larger percent are using the brush instead of the needle in vaccinating which is a much safer method. More interest has also been noticeable among poultrymen trying to improve brooding practices and in the prevention of feed wastage by the birds.

The average mortality of 10 percent for the laying flock remained the same as for 1953, which is very good. The average production increased last year to 234 eggs, a gain of four eggs per bird. This is all the result of good management practices and good stock.

Cost studies such as this are made possible through the cooperation of poultrymen who are interested in participating in an educational program of this kind, designed to help producers improve their management practices. Much can be gained by using this analyzed study as a yardstick to check your managerial ability as a poultryman with other cooperators.

TABLE I - INCOME AND EXPENSE PER HEN

Serial No. ^x	Egg Sales	Other Income	Total Income	Cash and Depreciation Cost						Non-cash Cost		Total Cost	Farm Income	Management Income
				Feed	Chix	Misc.	Depreciation	Hired Labor	Total	Family Labor	Interest			
29 W	8.64	1.23	9.87	5.54	.66	.28	.29	.87	7.64	.25	.25	8.14	2.23	1.73
3 L	7.01	.79	7.80	4.70	.43	.33	.09	-	5.55	.95	.17	6.67	2.25	1.13
14 L,W	6.81	.85	7.66	4.53	.44	.33	.10	.27	5.67	.78	.13	6.58	1.99	1.08
2 L	7.68	.44	8.12	4.89	.48	.72	.10	.20	6.39	.67	.24	7.30	1.73	.82
13 W	6.83	.37	7.20	4.91	.24	.29	.21	.05	5.70	.64	.18	6.52	1.50	.68
8 L	6.88	.58	7.46	4.71	.57	.42	.12	.12	5.94	1.29	.22	7.45	1.52	.01
7 W	6.98	1.04	8.02	5.57	.47	.37	.32	-	6.73	1.16	.21	8.10	1.29	-.08
12 W	7.18	.75	7.93	5.00	.47	.62	.43	.87	7.39	.45	.19	8.03	.54	-.10
4 W	6.91	.38	7.29	4.83	.47	.27	.27	.22	6.06	1.09	.25	7.40	1.23	-.11
10 W	6.61	1.96	8.57	5.78	1.22	.24	.16	.03	7.43	1.10	.21	8.74	1.14	-.17
26 W	7.47	.76	8.23	5.70	.58	.18	.28	-	6.74	1.43	.24	8.41	1.49	-.18
16 W	6.99	-.23	6.76	4.22	.36	.55	.29	.04	5.46	1.23	.30	6.99	1.30	-.23
25 W	7.27	.13	7.40	6.00	.46	.27	.13	.09	6.95	.56	.16	7.67	.45	-.27
1 L	5.85	.23	6.08	4.57	.36	.32	.09	.01	5.35	.87	.17	6.39	.73	-.31
15 W	6.71	1.17	7.88	5.48	.90	.26	.33	.21	7.18	1.08	.23	8.49	.70	-.61
18 W	6.68	.66	7.34	5.44	.49	.29	.13	-	6.35	1.39	.21	7.95	.99	-.61
32 W	7.01	1.37	8.38	6.56	.41	.12	.35	.10	7.54	1.07	.41	9.02	.84	-.64
11 W	5.68	1.48	7.16	5.56	.54	.20	.26	-	6.56	1.10	.19	7.85	.60	-.69
6 W	6.73	.89	7.62	5.66	.58	.58	.25	-	7.07	1.44	.21	8.72	.55	-1.10
17 W,L	6.56	.48	7.04	5.09	.57	1.37	.17	.15	7.35	.82	.30	8.47	-.31	-1.43
22 W	6.43	.33	6.76	5.45	.33	.81	.17	.84	7.60	.43	.20	8.23	-.84	-1.47
23 W	5.97	.81	6.78	5.17	.38	1.58	.33	.01	7.47	1.70	.21	9.38	-.69	-2.60
28 W,L	5.84	.96	6.80	5.26	.56	1.20	.34	.37	7.73	1.68	.29	9.70	-.93	-2.90
Hi. 11	7.45	.87	8.32	5.11	.54	.36	.22	.38	6.61	.71	.21	7.53	1.71	.79
Lo. 12	6.58	.54	7.12	5.43	.47	.60	.20	.24	6.94	.91	.23	8.08	.18	-.96
Avg.	7.05	.72	7.77	5.26	.50	.47	.21	.32	6.76	.80	.22	7.78	1.01	-.01

1.73
2.90
4.63

Farm Income is Total Income minus Cash and Depreciation Costs. ^xW=Wire floor (cage, or community wire floor house)
Management Income is Farm Income minus Family Labor & Interest. L=Litter floor house.

9.87
6.08
3.79

7.73
5.35
2.38

9.70
6.39
3.31

TABLE 2 - FLOCK STATISTICS AND PRODUCTION FACTORS

Serial No.	Avg. No. Hens	Breed	Laying Flock			Price per cull hen	Hours labor per hen	Pounds Feed per Hen			Feed Cost per Cwt.	% Mortality chicks
			% Died	% Culled	% Added			Total	Estimate for pullets	Estimate for hens		
29 W	9123	Austra W.	8	118	132	.81	1.1	145	33	112	3.71	3
3 L	3850	Leghorn	7	67	93	.60	.9	134	23	111	3.45	10
14 W,L	4137	W.Leghorn	6	75	106	.43	1.1	123	27	96	3.68	-
2 L	2918		8	107	102	.43	1.0	128	26	102	3.80	22
13 W	3140	Leghorn	10	66	86	.47	.7	129	21	108	3.81	4
8 L	1095	Austra W.	12	118	121	.40	1.4	124	30	94	3.74	6
7 W	1800	Leghorn	13	77	133	.69	1.2	135	33	102	4.07	4
12 W	3193	Leghorn	5	115	110	.44	1.4	130	28	102	3.86	13
4 W	2700	Leghorn	9	97	116	.52	1.3	124	29	95	3.87	5
10 W	1578	Austra W.	8	66	172	.67	1.1	144	43	101	4.00	12
26 W	1573	Austra W.	7	108	119	.66	1.4	132	30	102	4.33	6
16 W	1630	W.Leghorn	14	104	37	.36	1.3	129	9	120	3.26	4
25 W	5216	W.Leghorn	7	95	98	.38	.7	146	24	122	4.12	8
1 L	2500		11	104	108	.41	.7	116	27	89	3.90	5
15 W	2090	Austra W.	9	106	122	.62	1.3	135	31	104	4.05	12
18 W	2620	W.Leghorn	9	120	120	.40	1.4	137	30	107	3.97	11
32 W	1615		9	95	149	.63	1.2	135	37	98	4.86	11
11 W	1450	Leghorn	20	59	133	.37	1.1	144	33	111	3.84	5
6 W	1012	Leghorn	15	93	115	.93	1.4	135	29	106	4.17	2
17 W,L	2920	W.Leghorn	8	101	109	.28	.9	136	27	109	3.73	10
22 W	5863	W.Leghorn	18	93	107	.33	1.4	121	27	94	4.48	14
23 W	945	W.Leghorn	13	59	105	.37	1.7	125	26	99	4.12	7
28 W,L	1545		23	113	165	.46	2.2	133	41	92	3.82	2
Hi. 11	3192		8	95	116	.61	1.1	134	29	105	3.78	7
Lo. 12	2451		12	97	111	.42	1.2	133	28	105	4.08	9
Avg.	2805		10	96	113	.52	1.1	133	28	105	3.92	8

Pounds Feed per Hen:

Total - all feed used by the flock including growing replacement pullets.

Estimated for pullets - 25 lbs. per pullet raised divided by average number hens.

Estimated for hen - - - Total pounds less estimated for pullets.

4.48

3.76

TABLE 3 - EGG PRODUCTION AND SALES

METHOD OF HANDLING EGGS AT RANCH

Serial No.	Eggs per Hen	Percent Market Eggs Sold			Value Per Dozen		
		Large	Medium	Small	Av. Price	Net Cost	Mgt. Income
29 W	257	64	26	10	39.8	31.8	8.0
3 L	212	72	22	6	38.7	32.5	6.2
14 WL	236	64	27	9	35.1	29.5	5.6
2 L	253	59	30	11	36.6	32.7	3.9
13 W	218	71	21	8	36.0	32.4	3.6
8 L	231	67	27	6	35.2	35.1	.1
7 W	230	73	22	5	36.6	37.0	-.4
12 W	237	75	19	6	37.0	37.5	-.5
4 W	230	62	27	11	37.3	37.9	-.6
10 W	230	69	23	8	35.6	36.5	-.9
26 W	245	70	23	7	35.8	36.7	-.9
16 W	230	69	27	4	36.2	37.3	-1.1
25 W	233	69	25	6	36.5	37.8	-1.3
1 L	220	49	35	16	32.5	34.2	-1.7
15 W	225	64	27	9	37.5	40.9	-3.4
18 W	245	55	34	11	33.7	36.8	-3.1
32 W	244	59	30	11	35.0	38.2	-3.2
11 W	203	58	33	9	34.4	38.6	-4.2
6 W	224	71	23	6	37.4	43.5	-6.1
17 WL	231	77	16	7	35.8	43.6	-7.8
22 W	232	58	30	12	34.4	42.3	-7.9
23 W	210	56	32	12	34.7	49.8	-15.1
28 WL	226	39	45	16	31.3	46.9	-15.6
Hi. 11	238	67	25	8	37.5	33.5	4.0
Lo. 12	230	61	29	10	35.0	40.1	-5.1
Avg.	234	64	27	9	36.4	36.4	—

Kind of Egg Room	Type Cooler Used	How are Eggs Cleaned	Eggs Gathered Per Day	Eggs Delivered Per Wk.
Insul.	Refr.	H. buffed	2	2
Insul.	Ev. Cooler	Washed	2	3
Basement		W & buf.	2	1
Insul.	Ev. Cooler	Washed	2	3
Insul.	Refr.	W & buf.	2-3	2
Basement		Buffed	3	2
Insul.	Ev. Cooler	Buffed	2	1
	Ev. Cooler	Washed	2-3	2
Insul.	Ev. Cooler	Buffed	2	3
Insul.	Refr.		1	2
Insul.	Ev. Cooler	Buffed	2	2
Insul.	Ev. Cooler	Washed	1-2	1
Insul.	Ev. Cooler	Buffed	2	2
		Washed		
Insul.	Refr.	Washed	1	1
Insul.	Ev. Cooler	Washed	2	2
Insul.	Refr.	Washed	3	3
Insul.	Ev. Cooler	Washed	2	2
Insul.	Ev. Cooler	Buffed	2	1
	Ev. Cooler	Buffed	2	1
Insul.	Refr.	Buffed	2	3
Feed Room		Buffed	1	1
Insul.	Ev. Cooler	Buffed	2	2

257

203

39.8 49.8
 31.3 29.5
 8.5 20.3
 2 1/2

6) 218.3 (36.4
 18
 38
 36.3

Ref Cooler
 39.8 38.7
 36.0 36.6
 35.6 36.6
 37.5 37.0
 35.0 37.3
 34.4 35.8
 34.2 36.5
 33.7 33.7
 34.4 34.4

12) 436.0 (36.3
 36
 26
 240

TABLE 4 - SUMMARY OF RIVERSIDE POULTRY STUDY SINCE 1947

	1947	1948	1949	1950	1951	1952	1953	1954
Number Records	5	11	11	25	19	22	20	23
Average Number Hens	1580	1580	1374	1237	1624	2158	2181	2805
Eggs per Hen	190	193	209	217	218	227	230	234
Percent Mortality	18	15	15	15	12	12	10	10
Percent Culled	86	83	77	97	87	94	92	96
Hours Labor per Hen	1.7	1.9	1.7	1.7	1.6	1.3	1.4	1.1
Pounds Feed per Hen	120	141	135	142	147	142	144	133
Percent Mash	72	71	74	82	82	87	87	—
Cost Feed per Cwt.	4.89	4.76	4.22	4.04	4.29	4.53	4.10	3.92
Average Price Eggs	56.4	56.7	47.0	44.4	53.4	47.9	52.7	36.4
Net Cost per Dozen	48.3	48.6	42.1	41.5	44.0	43.9	41.2	36.4
Mgt. Income per Dozen	8.1	8.1	4.9	2.9	9.4	4.0	11.5	—
Income per Hen								
Egg Sales	8.70	9.10	8.16	8.01	9.82	9.05	10.08	7.05
Poultry Sales	.87	1.71	.90	1.05	.95	.84	.82	.72
Misc. Income	.56	.27	.20	.23	.21	.12	.13	—
Change Stock Inv.	.16	.64	.49	.39	.81	.28	.45	—
Total	10.29	11.72	9.75	9.68	11.79	10.29	11.48	7.77
Cash & Depr. Cost per Hen								
Feed	5.93	6.76	5.81	5.78	6.40	6.53	5.98	5.26
Hired Labor	.42	.17	.13	.10	.19	.23	.37	.32
Chick	.48	.73	.65	.63	.79	.54	.61	.50
Misc.	.57	.44	.46	.47	.52	.44	.59	.47
Depreciation	.12	.26	.25	.28	.21	.25	.25	.21
Total	7.52	8.36	7.40	7.26	8.11	7.99	7.80	6.76
Farm Income per Hen	2.77	3.36	2.45	2.42	3.68	2.30	3.68	1.01
Family Labor	1.30	1.73	1.36	1.60	1.67	1.32	1.25	.80
Interest	.23	.33	.25	.29	.27	.22	.23	.22
Management Income	1.24	1.30	.84	.53	1.74	.76	2.20	-.01

600

27

2.21

MANAGEMENT PRACTICES FOLLOWED BY COOPERATORS

Serial No.	Breed	Time of Brooding (Month in Year)	Vaccination Program					
			Methods used - Age at Vaccination					
			Newcastle - "Pneumo"	Roakin	717 Strain	Tracheitis	Bronchitis	Fowl Pox
29 W	AW	Every 3 weeks	Intra N, 1 da; 10 wks.			Ⓝ 10 wks.	} water 3 da. } sp. 4 wks.	W* 8 wks.
3 L	L	Ja, F, Ap, Ma.	Water 14 da; sp. 5 wks.			Ⓝ 16 wks.		W* 16 wks.
14 WL	L	N, D, Ja, Mar, Ap, Jn.	Intra Oc. 1 da.	W* 13-14 wks.		Ⓝ 16 wks.		W* 9-10 wks.
2 L	L	Mar, Ma, S.	Sp. 6-8 wks.	W* 16-20 wks.		Ⓝ 8-12 wks.		W* 8-12 wks.
13 W	L	Ja, Ap, S.	Sp. 3-4 wks.	W* 12 wks.		Ⓝ 6 wks.		W* 12 wks.
8 L	AW	Every 7 wks.	Intra Oc. 4 wks.			Ⓝ 6 wks.		W* 6 wks.
7 W	L, AW, R	Mar, Jn, Ju, O, D.	Intra Oc. 2 wks.			Ⓝ 6 wks.		W* 8 wks.
12 W	L	Every month	Intra Oc. or N, 1 da.	W* 12 wks.		Ⓝ 12-16 wks		W* 6 wks.
4 W	L	F, Ap, Ma, Au, O, D.	Intra Oc. 10 da.	W* 14 wks.				W* 6 wks.
10 W	AW	Every 2 months	Intra N. 1 da.			Ⓝ 10 wks.		W* 10 wks.
26 W	AW	F, Ap, Jn, Au, O, D.	Intra Oc. 7 da.	W* 14 wks.		Ⓝ 12 wks.		W* 8 wks.
16 W	L	Ma, D.		W* 9 wks.				W* 16 wks.
25 W	L	Ja, Ma, D.	Intra N. 1 da.			Ⓝ 7 wks.		W* 7 wks.
1 L	L	Ja, F, Mar, Ap, S, O.	Intra Oc. 1 da.	W* 16 wks.		Ⓝ 10-12 wks		W* 10-12 wks.
15 W	L, AW, H	Every 8 weeks	Intra N. 1 da.	W* 12-14 wks.		Ⓝ 8-10 wks.		W* 8-10 wks.
18 W	L	Every 8 weeks	Intra N. 12 wks.	W* 9-10 wks.				W* 12 wks.
32 W	L	Every 8 wks, Ja. to Au.						W* 10 wks.
11 W	L, AW	Every 3 months	Intra N. 3 wks; 16 wks.			Ⓝ 20 wks.		W* 20 wks.
6 W	L	Ap, Ju, Ja, F.	Intra Oc. 2 wks.			Ⓝ 6 wks.		W* 8 wks.
17 WL	L	Every month	Intra Oc. 1 da.	W* 12 wks.		Ⓝ 16 wks.		W* 16 wks.
22 W	L	F, Ap, Ma, O, N.		W* 14 wks.	} water } 1 wk.	Ⓝ 9 wks.	} water 1 wk.	W* 9 wks.
23 W	L	Mar, Ma, Ju, S, N.	Intra Oc. 1 da.	W* 16 wks.		Ⓝ 12 wks.		W* 12 wks.
28 WL	L	S, N, D.	Intra N. 1 da.	W* 16 wks.				W* 12 wks.

W* - Wing webb

Ⓝ - Needle

W* - Wing webb

Ⓝ - Brush

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Lloyd P. Sharp, Farm Advisor
A. D. Reed, Extension Economist
University of California
Agricultural Extension Service
Room 7, Post Office Building
Riverside, California