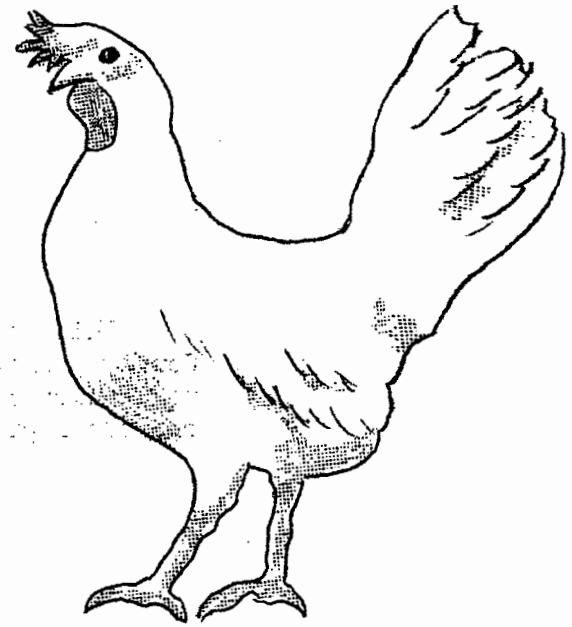


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1955



BUTTE COUNTY  
POULTRY

MANAGEMENT STUDY

A Summary of Eight Poultry Flocks

by

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TABLE I. SUMMARY OF BUTTE COUNTY POULTRY MANAGEMENT STUDY, 1950 - 1955

Record Year	No. Records	Hens per Flock	Eggs per Hen	Laying Flock		Hrs. Labor per Hen	Value per Doz.		Cost Feed per Cwt.	Value per Hen	
				% Mortality	% Culled		Average Price	Per cent Mash		Farm Income	Management Income
1950	10	700	210	21	83	2.0	39.0	62	3.67	1.41	-.57
1951	10	775	214	17	70	2.2	52.1	71	4.26	3.28	1.21
1952	5	1087	213	16	48	1.8	46.6	68	4.61	2.59	.87
1953	8	1002	235	13	109	2.1	51.3	78	4.50	3.67	1.70
1954	12	1017	235	17	106	1.7	37.6	83	4.13	1.29	-.43
1955	8	930	245	16	91	1.8	44.0	83	4.02	2.99	1.05
Average	9	919	225	17	85	1.9	45.1	74	4.20	2.54	.64

TABLE II. Income and Expense Per Hen

Butte County - 1955

Record No.	Type of Housing	Income per Hen					Cash and Depreciation Cost per Hen						Farm Income (4)	Non-Cash Costs		Management Inc. (6)
		Egg Sales	Poultry Sales (1)	Misc.	Change Stock Inv. (2)	Total Income	Feed	Chick (3)	Misc.	De-precia-tion	Hired Labor	Total		Family Labor	Int. (5)	
20	Floor	9.25	.70	--	1.50	11.45	5.65	.80	.85	.11	.34	7.75	3.70	.70	.15	2.85
5	Floor	11.80	1.10	--	--	12.90	7.90	.58	.66	.16	--	9.30	3.60	1.40	.15	2.05
6	Floor	8.10	.43	--	.33	8.86	4.40	1.16	.18	.13	.08	5.95	2.91	1.06	.17	1.68
8	Floor	8.70	.46	--	.09	9.25	4.15	.46	.93	.27	.05	5.86	3.39	1.72	.21	1.46
13	Cage	7.85	.67	--	.38	8.90	5.35	.62	.20	.20	.05	6.43	2.48	1.39	.19	.90
3	Cage	8.50	.70	--	2.00	11.20	5.55	.92	.30	.38	--	7.15	4.06	2.92	.33	.80
27	Cage	10.80	.60	.05	2.45	13.90	8.25	1.15	1.04	.31	.05	10.80	3.10	2.10	.30	.70
23	Floor	7.95	1.01	--	1.46	10.40	6.20	1.63	.93	.46	.40	9.65	.75	2.52	.28	2.05
Average		9.12	.70	.01	1.02	10.85	5.93	.92	.64	.25	.12	7.86	2.99	1.72	.22	1.05

- (1) "Poultry Sales" shows the total value of the culls sold, divided by the average number of hens kept daily over the 12 month period.
- (2) "Change of Stock Inventory" shows a gain when the flock size is increased, and a loss when the number of birds is decreased.
- (3) The variation in chick cost is much larger than the difference in the price paid for the birds. This figure is increased when mortality is high as it increases the expense of each bird that matures. When the flock is being increased this cost is also higher because each hen must bear the cost of more than one replacement.

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TABLE III. Flock Statistics

Record No.	Avg. No. Hens	% Laying Flock			% Chix Died	Hours Labor Per Hen	% Mash Fed	Feed Cost Per Cwt.			Feed Per Hen		
		Died	Culled	Added				Mash	Grain	Avg. (7)	Lbs. Used	Lbs. Wasted (8)	Value Wasted Feed
20	775	9	109	222	4	1.0	58	3.94	2.70	3.42	108	10	.34
5	832	20	116	145	11	1.4	98	4.86	4.62	4.85	126	18	.87
6	805	16	70	87	--	1.1	99	4.24	--	4.24	105	9	.38
8	1239	12	66	90	7	1.7	61	4.03	2.01	3.24	104	7	.23
13	1393	16	102	180	5	1.4	68	4.07	2.90	3.70	100	3	.11
3	613	19	71	160	11	2.2	100	3.81	--	3.81	105	7	.27
27	852	18	74	168	17	3.0	100	5.11	--	5.11	120	22	1.24
23	909	21	123	130	8	3.0	95	4.02	2.65	3.75	133	27	1.01
Average	930	16	91	148	9	1.8	83	4.25	2.98	4.02	113	13	.56

- (7) The average price per hundred pounds of feed is determined by the price paid for the grain and mash, and the proportion of each that is fed.
- (8) The pounds of wasted feed was determined by subtracting the amount of feed a hen would eat (according to her size and rate of lay) from the total feed used by each hen.

The amount of feed a bird would eat was based on the following:- 25 pounds plus 8 pounds for each pound of body weight, plus 15 pounds for each 100 eggs.

TABLE IV. Egg Production and Sales

Record No.	Eggs Per Hen	% Eggs			Value Per Dozen				% Fall Eggs	Average Price Cull Hens
		Large	Medium	Small	Avg. Price	Net Cost	Farm Income	Mgt. Income		
20	263	55	31	14	41.0 ¢	27.5 ¢	16.4 ¢	12.5 ¢	27	\$ .68
5	259	67	25	8	53.0	44.0	16.1	9.0	36	1.00
6	237	60	27	13	41.3	32.7	15.1	8.6	38	.72
8	240	66	21	13	41.5	34.5	16.3	7.0	46	.69
13	238	62	26	12	39.8	35.4	12.7	4.4	37	.65
3	244	53	30	17	41.6	40.8	19.8	.8	42	.97
27	246	70	21	9	50.6	47.3	14.6	3.3	41	.76
23	235	64	18	18	43.0	54.0	4.1	-11.0	33	.81
Average	245	63	25	13	44.0 ¢	39.6 ¢	14.4 ¢	4.4 ¢	38	\$ .79