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Report 36

UNIVERSITY OF MINNESOTA
Department of Agriculture
and
UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Cooperating

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SECOND ANNUAL REPORT
of the
Better Farming Club
of
Dodge and Goodhue Counties

200 1929

By

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- H.L. Armour, County Agent
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Minnesota and Report No. 36
Division of Farm Management and Agricultural Economics
University Farm
St. Paul, Minn.
March 1930.

Second Annual Report of the Better Farming Clubs of
Dodge and Goodhue Counties for the Year 1929

Prepared by W. P. Ranney and G. A. Pond

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INTRODUCTION

The Division of Farm Management and Agricultural Economics and the Division of Agricultural Extension of the University of Minnesota, the Bureau of Agricultural Economics of the United States Department of Agriculture and forty-four farmers in Dodge and Goodhue counties, Minnesota, have been cooperating during the year 1929 in a farm account project, known as the Better Farming Club of these two counties. Twenty-three more farmers completed the project in 1929 than in 1928. The work was started January 1, 1928 along with similar clubs in nearby counties, viz., Freeborn, Rice, Steele and Waseca counties.

The project has been under the direction of G. A. Pond of the Division of Farm Management and Agricultural Economics, University of Minnesota, with the assistance of other members of the same department; W. P. Ranney, one of the authors of this report; and Wa. H. Dankers who aided in closing the books at the end of the year 1929. Hearty support and assistance has been rendered by M. L. Armour and M. A. Thorfinnson, County Agricultural Agents of Dodge and Goodhue counties, respectively.

Type of Farming in Dodge and Goodhue Counties

The farms selected for the study are livestock farms on which dairy cattle are the principal source of income. Although some milk is sold for manufacture into cheese, cream for manufacture into butter is the principal dairy product sold. This is marketed through farmer owned cooperative creameries specializing in the manufacture of high quality butter. The skim milk is retained on the farm and fed to hogs and poultry. These two classes of livestock are also an important source of income.

The principal crops grown are corn, oats, barley and hay. These crops are raised primarily as livestock feed altho a seasonal surplus may be sold. Wheat, sweet corn, and canning peas are grown to a limited extent as cash crops. These farms are fairly typical of the system of dairy farming prevailing in southeastern Minnesota. This report shows that the receipts from the sales of dairy products constitute approximately one-third, and receipts from hog sales about one-fifth of the average cash income for the 44 cooperators in these two counties. These are approximately the same results as shown by the 1928 report.

Records Kept

The records kept by the cooperators included inventories at the beginning and end of the year, cash receipts and expenses, a report of feed fed to the various classes of livestock, and a record of farm produce used by the farm family. Supplementary information was also secured during the year regarding crop and livestock production and practices.

The cooperators were assisted and supervised in keeping their records by the field agent, Mr. R. C. Bevan, who visited each farm in the six counties several times during the year. In addition to securing the supplementary information, the field agent's duties included numerous services, viz., securing a monthly list of prices of farm products prevailing in the area, helping the farmer to place uniform values on real estate and equipment, checking the cash and feed records, and answering any questions that might arise as to how the entries should be made in the account book. The supervision resulted in uniformity in the type of records secured, in the inventory valuations and in the prices at which feed and farm produce were charged.

At the end of the year each farm was visited by a representative of the University who checked the records for completeness and accuracy. The books were then taken to the central office at University Farm, where every entry was again checked and omissions were noted. Any discrepancies found were referred back to the farmers for correction. This double checking insured a high degree of accuracy and completeness in each individual record.

Purpose of Project

The Better Farming Club renders assistance to the cooperators in keeping such records as will enable each operator to know the returns for his labor and management, the returns to capital and family labor, and the actual earnings from the farm that the family had to spend for living and personal use. The main purpose of the Club is to secure such data and information, which when compared with that secured on other farms will enable the cooperator to increase his efficiency in various enterprises and to organize his farm on a more profitable basis. For the latter purpose it was necessary for all the cooperators, tenants as well as owner operators, to include the whole farm business in order that the results would be on a comparative basis. The earnings as shown in this report are computed on an owner basis for the purposes of comparison, but each tenant was supplied a statement of his earnings on the basis of the rental system under which he was operating. Altho there is some variation in prices paid for feeds bought, uniform prices were used in making up the feed summaries and in placing values on the inventories of feed and farm products.

Capital Investment in Farm Business

The average size of the farms in this report was 211 acres. The average farm inventory was \$27,614. This does not include the value of the house in which the operator lived. As changes were made in size of farm in a few cases, and more than twice as many cooperators included, the average size is considerably above that in 1928, in which year the average size was 181 acres, and average farm inventory was \$23,721. But the distribution of the inventory was practically the same in both years. In 1929, fifty-six per cent of the average farm inventory consisted of land; 16 per cent of permanent improvements; 7 per cent of feeds and supplies; 8 per cent of machinery and equipment; and 14 per cent of livestock, of which almost one-half or an average of \$1,602 consists of the average cow inventory.

Analysis of the Farm Business

On page 5 and 6 are presented financial summaries of the year's business, showing the average results for the 44 farms on which the work was completed for the twelve months period, January 1, 1929 to December 31, 1929 and the high and low figure for each item. In the "your farm column" the results of each individual farm business is inserted in the copy sent to the farmer in order that he may compare his figures with the average.

The data on page 5 and the remaining pages, which set up the ranking in the various measures of efficiency, should suggest to each cooperator some possibilities for improvement in his organization of the various enterprises and of his business as a whole. Altho each farm is an individual problem, and has its particular advantages and limitations, the type of farming is fairly uniform in these two counties and undoubtedly is adapted to the present general conditions. This study should bring out trends that may be taking place toward more profitable combinations of enterprises, and to the more efficient methods of management within the enterprises.

Returns to Operators for Their Labor and Management

The average cash receipts per farm were \$5055. In addition farm produce to the value of \$532 was consumed by the farm family and there was an average inventory increase of \$916 per farm. The total average receipts per farm is the sum of these three items, \$6302. The average total expense per farm, \$3055, includes \$2928 cash expense and an estimated allowance of \$127 for board of hired labor. The difference between the total income and total expense figure is \$3248. This is the return which the farmer received for his own labor and management, the services of members of his family and the use of his capital. After deducting a charge of 5 per cent on the average inventory valuation, \$1381, for the services of capital, there remains \$1867 for the services of the farmer and his family. The average value of family labor used, if computed at hired man's wages was \$378. The average operator's labor earning is the family earnings less their allowance of \$378, or \$1489. This is the return to the farmer for his labor and management over and above a 5 per cent return for his capital and going wages for other members of the family.

Comparison with Previous Year

In making a comparison of the 1929 results with those of 1928 it should be remembered that there were more than twice as many farms included in the 1929 report. The average operator's labor earnings per farm for the farms in 1929 were \$355 higher than for those in 1928. Cash receipts were \$462 higher in 1929, and the increase in inventory was \$727 higher. Expenses were \$657 greater in 1929, and due to a larger inventory, interest on investment was \$197 higher. Changes in other items were small. The higher cash receipts and inventory increase were due primarily to higher crop yields, larger production of pork, higher prices for hogs sold, and larger farms on the average. The average price received for the sale of hogs was \$1.40 per hundred pounds higher in 1929 than in 1928. Butterfat prices were lower near the close of 1929, while eggs averaged one cent higher for the year. The average production of butterfat per cow for the 1929 group of cooperators was 239, while that for 1928 was 255. The group in 1929 produced on the average 500 pounds more pork than the cooperators who were in the project in 1928. After adjusting cash items for changes in inventory, there were only slight changes in gross returns for the various classes of live stock.

There were 18 farmers who were in the project in both years. The average earnings for these eighteen farmers was \$1156 in 1928 and \$1651 in 1929, which shows an average gain of \$495. Thirteen farmers had higher earnings and 5 had lower earnings in 1929 than in 1928.

Summary of Farm Inventories

Items	Your Farm	Average	High Farm	Low Farm
Size of Farm (acres)		211	665	40
Size of business (prod. man work units) (1)		597	1440	212
Average farm inventory (without house)		\$27614	\$76613	\$6266
Land		15348	40275	2793
Farm Improvements		4308	11686	726
Machinery & equipment (total)		2175	9393	523
General machinery & equipment		1496	7214	471
Tractor		356	1875	-
Truck		86	688	-
Auto (farm share) (2)		161	475	-
Gas engine (farm share)		42	244	-
Electrical equipment (farm share)		34	300	-
Feeds and seeds		1931	6133	538
Misc. supplies		43	401	-
Horses (total)		567	1658	170
Horses		489	1278	170
Colts		78	550	-
Productive Live Stock (total)		3242	8334	751
Cows		1602	4598	450
Other cattle		952	3400	-
Hogs		399	1758	-
Sheep		148	1050	-
Poultry		141	325	-

Statement of Average Amounts of Live Stock

Items	Your Farm	Average	High Farm	Low Farm
Total horse animal units (3)		6.4	12.1	3.0
Horses		5.7	10.0	3.0
Colts		.7	3.0	-
Total Productive Animal Units		31.7	82.0	11.0
Cows		15.4	33.3	5.9
Other cattle		8.6	20.7	.3
Hogs		4.9	18.1	.5
Sheep		1.8	13.3	-
Poultry (hens)		1.0	2.2	-
Number of cows per worker		7.6	14.2	4.3
Number of cows per 100 acres		8.0	15.5	3.6

- (1) Productive man work units are a measure of size of business based on the average amount of man labor required per head of productive livestock and per acre of crops. They may also be used as a measure of labor efficiency. The units used were computed from data presented in Minn. Tech. Bul. 44, "A Study of Dairy Farm Organization in Southeastern Minnesota".
- (2) Farm share based on farmer's estimate of amount used for farm purposes only.
- (3) An animal unit represents an average mature horse, cow or the equivalent in other livestock, based upon the amount of feed eaten and manure produced. The above units are computed as an average of the monthly units.

Summary of Farm Earnings - 1929

<u>CASH EXPENSES</u>	Your Farm	Average	High Farm	Low Farm
Tractor (new & exp.)		\$344	\$3002	\$ -
Truck (new & exp.)		68	897	-
Auto (new & exp.) (farm share)		182	786	-
Gas engine (new & exp.) (farm share)		15	117	-
Elec.plant or current (new & exp.) (farm share)		9	98	-
Machinery & equipment (new)		235	892	-
Machinery & equipment (exp.)		80	511	-
Bldgs., fences, tiling (new)		248	5342	-
Bldgs., fences, tiling (exp.)		38	474	-
Hired labor		317	1205	-
Feed for livestock		329	1316	15
Other expense for livestock		84	266	9
Horses bought		26	280	-
Cows bought		28	459	-
Other cattle bought		171	1952	-
Hogs bought		120	1329	-
Sheep bought		5	56	-
Poultry bought		36	119	-
Crop (seed, twine, spray)		230	545	62
Taxes and insurance		333	802	80
General farm		30	125	-
(1) Total cash expense		2928	8446	772
(2) Decrease in farm inventory		-	2262	-
(3) Board for hired labor		127	570	-
(4) Total expense (sum of 1,2,& 3)		3055	11108	772
 <u>CASH RECEIPTS</u>				
Horses		33	300	-
Cows		363	1979	-
Dairy products		1650	3897	331
Other cattle		483	3132	27
Sheep		89	488	-
Hogs		1016	3151	85
Poultry		142	555	-
Eggs		206	707	-
Small grain		468	2060	-
Corn		44	862	-
Hay		26	612	-
Other crops		140	1420	-
Miscellaneous		277	2071	-
Outside		118	950	-
(5) Total cash receipts		5055	13662	1695
(6) Increase in farm inventory		916	4392	-
(7) Farm produce used in house		332	681	172
(8) Total receipts sum of 5,6,& 7)		6303	14481	2334
Total expense (4)		3055	8383	772
(9) Returns to capitol & family labor (8-4)		3248	7156	1298
(10) Interest on farm inventory		1381	3841	313
(11) Family labor earnings (9-10)		1867	4757	-283
(12) Unpaid family labor		378	1440	60
(13) Operator's labor earnings (11-12)		1489	3649	-551

Summary of Farm Earnings, 1929 (A)

<u>EXPENSES AND NET DECREASES</u>	Your	Average	High	Low
Items	Farm		Farm	Farm
Total power machinery & equipment		\$ 303	\$1918	\$ -99
Tractor		135	1393	-82
Truck		42	173	-125
Auto (farm share)		97	294	-
Gas engine (farm share)		18	75	- 13
Elec. plant or current (farm share)		11	119	-
General machinery & equipment		192	569	6
Bldgs. fencing, tiling		165	1070	-554
Hired labor		317	1205	-
Prod. live stock misc. expense		79	266	4
Crop		228	543	62
Taxes and insurance		333	802	80
General farm		30	125	-
Board for hired labor		127	570	-
Decrease in crops and feed		56	880	-
Unpaid family labor		378	1440	60
Decrease in horses		-	130	-
Misc. expense for horses		5	30	-
Interest on farm inventory		1381	3841	313
(1) Total expenses		3594	9184	921

RETURNS AND NET INCREASES

Increase in crops and feeds		791	3853	-
Gross returns from all prod. live stock		4403	8699	1734
Cows	2088		5144	622
Other cattle	789		3370	158
Hogs	1034		3387	96
Sheep	99		680	-
Poultry	393		1219	-
Outside and misc. receipts		128	968	-
Increase in horses		18	251	-
(2) Total returns and net increases		5340	11362	1884
(3) Products used on the farm		313	761	29
(4) Gross returns (2-3)		5027	10717	1786
Total expenses (1)		3538	9184	1268
(5) Operator's labor earnings (4-1)		1489	3649	- 551
Gross returns per \$100 expense		149	244	94

(A) Cash receipts and expenses are adjusted for changes in inventory for each enterprise and each item of expense in order to show gross returns and net increases, and total expenses and net decreases. The operator's labor earnings are the same as those on page 5.

Utilization of Land and Yield of Crops - 1929

Crop	No. farms growing this crop	Acres per farm		Yield per acre		
		Your Farm	Average	Your Farm	Average	Highest Lower
Wheat	9		3.9	22.6	34.1	10.0
Oats	35		21.9	43.0	66.6	12.5
Barley	35		20.9	29.1	52.0	12.7
Rye	5		1.9	17.8	24.0	10.0
Flax	13		4.0	8.5	12.0	1.5
Wheat & Oats	13		3.5	35.5	60.0	17.5
Oats & Barley	26		12.2	38.1	60.1	15.0
Canning peas	5		1.4	1763.0	2753.0	999.0
Flax & Wheat	12		6.8	13.6	17.3	5.6
Total grain			76.5			
Corn, grain	43		20.9	44.6	72.0	23.3
Corn, silage	37		12.2	7.4	12.6	3.6
Corn, fodder	17		3.3	2.8	4.2	1.4
Sweet corn	8		1.6	2.5	3.1	1.9
Potatoes	20		0.4	98.0	166.7	30.0
Total cultivated crops			38.4			
Alfalfa	31		5.2	2.9	6.0	1.1
Clover & clover mixtures	39		17.2	2.0	4.0	1.2
Other legumes	2		1.0	1.1	1.7	0.6
Timothy	10		3.9	1.0	1.8	0.5
Annual hay crops	5		0.5	1.1	2.0	0.8
Wild hay (on tillable land)	1		0.4	0.5	-	-
Wild hay (on non-tillable land)	10		1.6	1.0	1.7	0.5
Total hay			29.8			
Total crop acreage			144.7			
Sweet clover pasture	8		3.0			
Miscellaneous legume pasture	13		5.4			
Other tillable pasture	29		14.7			
Non-tillable pasture	33		27.1			
Total pasture			50.2			
Summer fallow			1.1			
Timber - not pastured			2.0			
Roads & waste			6.4			
Farmstead			6.2			
Total acres in farm			210.6			
% of land tillable			79.5			

Measures of Farm Organization and Management Efficiency

Farm No.	Opera. Labor Earn	Index of Crop Yield	Lbs. of B.F. per Cow	Returns above feed per				Expenses per work unit.			Prod. Units per Worker	Prod. Live Stock per 100 A	Total No. Prod. Man Work Units
				Cow	Head of Other Cat-tle	100 lbs. of Pork	100 Hens	Farm Power	Gen. Mach. and Eq.	Bldgs. and Til-ling			
1411	33649.	124	236	\$94.07	\$-3.40	\$-.60	\$-1.25	1.11	\$.29	.03	276	17.9	969
1321	3297.	124	306	106.38	-2.78	2.23	3.27	1.27	.65	.71	204	13.9	875
1011	3035.	102	171	57.11	24.66	4.17	3.54	.81	.20	.20	505	19.3	606
1133	2977.	101	245	105.40	26.78	5.52	2.26	.96	.35	.47	238	14.9	523
1191	2881.	129	409	138.12	14.87	2.51	4.82	.26	.24	.26	186	17.3	389
1912	2698.	126	242	71.05	27.30	1.96	4.49	.92	.45	.19	350	28.2	732
1193	2537.	102	170	36.23	- 3.80	2.22	.25	.75	.11	.74	480	18.3	1440
1052	2521.	89	200	56.41	11.84	2.50	4.10	.80	.51	.21	564	13.0	620
1412	2412.	105	197	59.82	22.16	-3.21	.85	1.12	.17	.36	375	14.7	862
1911	2335.	110	247	89.43	6.26	4.24	2.62	1.53	.68	.28	366	14.6	696
1051	2210.	100	227	96.00	17.07	1.18	2.57	1.33	.17	.34	350	9.3	629
1803	2057.	124	257	90.40	12.99	2.33	1.98	.70	.26	.25	193	18.8	674
1194	2001.	120	201	64.20	16.17	3.87	.99	1.38	.02	.31	274	20.8	301
1024	2000.	85	284	84.88	25.89	7.45	.76	.79	.22	.24	292	15.1	613
1025	1938.	93	268	96.13	6.31	3.16	.47	1.36	.35	.26	349	13.8	558
1131	1784.	115	363	116.23	46.53	2.39	2.04	1.00	.30	.34	321	25.4	385
1192	1685.	95	217	80.22	2.77	.31	1.70	1.50	.34	.14	260	13.2	628
1801	1605.	92	214	82.75	13.32	3.70	1.45	1.34	.27	.12	495	11.1	743
1401	1601.	119	310	80.37	64.25	6.01	1.27	.94	.36	.31	230	22.0	368
1032	1511.	92	221	51.27	48.07	2.93	4.54	1.02	.66	-1.08	258	16.3	515
1111	1491.	98	249	103.14	169.74	2.64	.61	1.43	.15	-.12	237	12.7	497
1421	1345.	98	228	47.61	39.00	4.12	-	.70	.23	.12	289	20.3	491
1233	1239	100	173	70.25	-17.94	3.29	1.76	1.21	.58	.17	249	15.3	547
1402	1238	117	256	59.66	32.41	5.37	1.77	1.44	.21	.27	208	18.4	624
1134	1235	90	185	39.46	72.31	2.01	.70	.87	.18	.57	243	19.1	657
1381	1215.	138	170	44.08	- 8.75	-1.66	2.09	1.17	.49	.34	310	20.4	402
1281	1173.	89	201	81.24	14.93	-1.33	-	.48	.21	.23	427	12.6	683
1023	1139.	81	188	77.63	15.27	-.49	2.05	1.02	.17	.31	206	12.4	515
1151	1060.	94	319	102.15	34.63	1.74	4.69	.88	.22	.20	163	31.7	212
1221	1054.	128	298	74.67	10.89	1.86	.92	1.10	.59	.21	234	22.3	514
1031	954.	86	338	124.35	15.39	3.81	2.06	1.15	.58	.31	295	12.6	561
1081	865.	75	217	60.43	45.24	3.28	3.93	1.00	.22	.12	194	13.7	233
1231	846.	119	286	109.76	-13.92	1.82	2.23	1.29	.25	.41	157	17.3	392
1132	820.	85	246	71.30	6.67	1.47	-.86	.96	.24	.61	342	13.4	582
1201	798.	110	271	91.60	7.74	1.74	1.65	1.29	.55	.42	275	17.4	412
1022	698.	82	167	54.16	11.97	.95	.19	1.20	.37	.22	290	13.8	377
1802	632.	122	262	53.27	16.51	-4.07	5.15	.91	.16	.28	260	19.1	546
1136	559.	92	212	74.14	8.48	2.41	.44	.54	.25	.00	175	10.9	367
1121	423.	80	206	65.17	8.95	-5.09	1.69	1.11	.58	.18	217	10.6	414
1021	327.	65	184	49.17	- 4.46	-3.01	.59	1.15	.32	.18	354	14.0	815
1135	302.	64	204	26.03	37.38	-3.50	3.16	.59	.25	.18	288	14.3	576
1291	243	74	245	70.72	8.42	5.80	1.96	.91	.41	.28	337	10.8	505
1601	-343	92	201	35.45	37.08	-.07	.05	.71	.30	.44	270	14.1	836
1112	-551.	67	245	35.81	4.46	3.45	1.56	1.64	.27	.36	362	7.7	1376
Aver-													
age	\$1489	100	239	\$74.50	\$21.13	\$1.85	\$1.93	\$1.04	\$.33	\$.25	294	16.2	597
High	3649	138	409	138.12	169.74	7.45	5.15	.26	.02	-1.08	564	31.7	1440
Low	- 551	64	167	26.03	-17.94	-5.09	-1.25	1.64	.68	.74	157	7.7	212

Find Your Weak Links

Using your figures from page 9, locate your standing with respect to the various measures of farm organization and management efficiency. The average for the 14 farms included in this summary are located between the two lines across the center of the page:

Oper. Job. Earn.	Ind. of Crop Yield	Lbs. B.F. per Cow	Returns above feed per				Expenses per work unit			Prod. Work Units per Work-er	Prod. Live Stock Units per 100-A	Total No. Prod. Man Work Units
			Cow	Head of other cat.	100 lbs of Pork	Hen	Farm Power	Gen. Mach. and Eq.	Bl'dgs. Fen. and Til.			
3649	138	409	\$138.12	\$169.74	\$7.45	\$5.15	\$.26	\$.02	\$ -1.08	564	31.7	1440
3289	130	379	124.50	121.13	6.35	4.43	.39	.08	- .05	519	28.7	1297
3929	124	351	114.50	101.13	5.45	3.93	.52	.13	.01	474	26.2	1137
2569	118	323	104.50	81.13	4.55	3.43	.65	.18	.07	489	23.7	977
2209	112	295	94.50	61.13	3.65	2.93	.78	.23	.13	384	21.2	817
849	106	267	84.50	41.13	2.75	2.43	.91	.28	.19	339	18.7	657
489	100	239	74.50	21.13	1.85	1.93	1.04	.33	.25	294	16.2	597
1149	94	227	68.50	15.13	.70	1.43	1.14	.38	.33	272	14.8	533
809	88	215	60.50	9.13	-.45	.93	1.24	.43	.41	250	13.4	469
469	82	203	52.50	3.13	-.60	.43	1.34	.48	.49	228	12.0	405
129	76	191	44.50	2.87	-2.75	-.07	1.44	.53	.57	206	10.6	341
211	70	179	36.50	8.87	-3.90	-.57	1.54	.58	.65	184	9.2	277
551	64	167	26.03	-17.94	-5.09	-1.25	1.64	.68	.74	157	7.7	212

Prices Received for Products Sold - 1929

Farm No.	Butterfat per lb. sold as milk or cheese	Butterfat per lb. sold as cream	Eggs per dozen	Hogs per 100 pounds
1411	-	.55	-	9.70
1321	-	.48	.28	8.93
1011	.55	-	.26	10.09
1153	-	.52	.30	9.65
1191	-	.50	.30	10.09
1912	-	.51	.28	9.41
1193	.54	.51	.27	10.40
1052	-	.51	.27	10.42
1412	1.08	.53	.25	11.12
1911	.86	.48	.28	10.35
1051	-	.51	.39	8.75
1803	-	.51	.29	10.13
1194	-	.39	.26	9.62
1024	-	.50	.26	12.12
1025	-	.49	.26	9.38
1131	-	.48	.27	9.99
1192	-	.51	.26	8.55
1801	.53	.52	.22	9.19
1401	-	.50	.26	9.34
1032	-	.50	.28	9.23
1111	-	.51	.27	9.87
1421	-	.51	-	9.21
1233	-	.50	.28	9.22
1402	-	.49	.27	11.21
1134	-	.49	.26	10.61
1381	.58	.51	.29	9.10
1281	-	.54	-	8.67
1023	-	.50	.27	9.21
1151	-	.50	.23	9.56
1221	-	.51	.27	9.37
1031	-	.51	.29	9.69
1081	-	.49	.23	10.31
1231	-	.51	.29	8.95
1132	-	.51	.29	9.33
1201	.49	.52	.27	10.08
1022	1.06	.48	.25	9.06
1802	-	.52	.33	9.00
1136	-	.49	.28	11.32
1121	-	.53	.28	10.54
1021	-	.51	.29	8.68
1135	.81	.49	.28	10.42
1291	-	.50	.26	9.97
1601	-	.51	.28	7.58
1112	-	.51	.45	9.36

Average (cheese) .54
(milk) .95

Average .50 .28 9.75
High .54 .45 12.12
Low .39 .22 8.55

Factors of Cost in Dairy Production - 1929 (per cow basis)

Farm No.	B.F. per cow	Feed per Cow - Lbs.										Total digest nutri. per lb. B.F.	Nutri-tive ratio	% Cows fresh Sept. to Dec. incl.	Per cent calves born	
		Corn grain	Small feeds	Mill feeds	Oil Meal	Tame hay	Wild hay	Alfalfa	Corn fodder	Silage	Total concern.					
1191	409	-	3101	391	500	-	-	2910	-	8910	3992	2910	14.5	1:6.3	0	82
1131	363	-	2512	838	224	2419	-	-	1535	6464	3574	3954	14.5	1:8.2	70	93
1031	338	124	2061	1013	82	2289	-	164	164	12592	3280	2617	16.7	1:8.2	40	82
1151	319	99	1776	-	201	644	-	2255	967	8857	2076	3866	15.6	1:6.3	83	98
1401	310	-	1751	542	71	-	-	2187	267	7761	2364	2454	9.5	1:4.6	67	107
1321	306	282	1692	-	78	872	-	1878	-	5810	2052	2750	12.9	1:4.6	55	98
1221	298	-	2672	-	-	1505	-	1300	1526	11904	2672	4331	19.6	1:8.1	53	113
1231	286	36	1063	1707	117	2032	-	-	554	7203	2923	2586	13.4	1:7.6	77	120
1024	284	-	2336	-	145	934	133	1200	400	12867	2482	2667	17.9	1:8.0	71	113
1201	271	49	982	138	44	784	-	-	2057	8032	1213	2841	12.8	1:9.0	8	127
1025	268	-	3118	8	156	1014	-	545	312	13251	3282	1871	21.	1:9.1	42	101
1802	262	153	1735	11	54	437	-	1642	929	8311	1953	3008	16.6	1:7.2	12	93
1803	257	-	741	176	38	1394	-	1758	-	12970	955	3152	17.4	1:7.5	68	103
1402	256	-	1862	287	80	251	-	2540	-	7813	2229	2791	17.1	1:6.2	94	95
1111	249	446	68	-	-	569	-	-	3977	-	514	4546	8.9	1:11.9	-	85
1911	247	-	1050	51	51	1133	-	1339	-	6750	1152	2472	13.1	1:7.1	88	88
1152	246	141	764	212	163	1928	-	-	1181	11015	1280	3109	16.9	1:9.4	43	56
1133	245	242	1667	-	-	386	-	867	-	6939	1909	1253	8.4	1:6.5	90	96
1112	245	1189	2701	438	232	2235	-	2482	828	7199	4560	5545	2.5	1:6.5	56	104
1291	245	-	1403	-	105	2658	-	3572	2370	-	1508	8600	21.9	1:6.0	33	50
1912	242	-	960	218	144	-	-	2004	218	6708	1322	2222	13.1	1:5.9	68	109
1411	236	-	3042	216	-	1373	-	62	249	4986	3258	1684	17.5	1:7.5	12	103

Average 239 206 1472 181 78 1428 12 1006 863 7237 1939 3330 17.1 1:7.7 48 100

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Factors of Cost in Dairy Production - 1929 (per cow basis) - continued.

Farm No.	B.F. per cow	Feed per Cow - Lbs.								Total concern.	Total dry rough- age	Total digest nutri. per lb. B.F.	Nutri- tive ratio	% Cows fresh Sent. to Dec. incl.	Per cent calves born	
		Corn grain	Small grain	Mill feeds	Oil meal	Tame hay	Wild hay	Alfalfa	Corn fodder							Silage
1421	228	-	2065	460	101	2806	-	1014	-	7171	2626	3820	22.1	1:6.6	33	94
1051	227	-	1228	-	-	1553	-	706	-	6176	1228	2259	13.4	1:7.7	54	92
1032	221	1084	1577	64	110	1752	-	-	1680	10120	2855	3432	24.3	1:9.6	59	136
1081	217	2065	1005	-	-	1630	-	-	3210	-	3070	4840	17.5	1:7.2	29	95
1192	217	234	972	-	-	2505	-	683	304	11466	1206	3492	20.5	1:9.6	85	99
1801	214	170	564	-	22	187	-	1220	46	4314	756	1453	9.5	1:6.9	15	94
1136	212	255	808	86	38	1708	-	1803	207	-	1187	3718	14.7	1:6.5	38	76
1121	206	-	960	33	177	1177	-	706	-	10942	1471	1883	23.7	1:7.4	55	129
1135	204	1015	3677	6	18	3436	-	-	2773	-	4716	6209	29.5	1:9.4	39	136
1601	201	-	1431	193	135	2164	-	2745	1997	5574	1789	6906	34.4	1:6.5	74	79
1281	201	-	1236	-	22	1645	-	438	-	4712	1258	2083	13.7	1:7.9	47	93
1194	201	447	653	-	-	1021	-	-	-	8504	1100	1021	12.2	1:6.6	17	102
1052	200	242	1430	15	23	2838	-	-	997	8512	1740	3835	21.9	1:9.4	50	127
1412	197	-	1260	41	32	2819	-	-	-	9909	1333	2819	20.5	1:9.2	38	118
1023	188	47	1103	25	24	2131	-	168	-	8412	1199	2299	18.3	1:8.2	58	100
1134	185	-	1055	128	20	1769	-	-	2202	4822	1203	3971	15.9	1:6.7	33	126
1021	184	-	1589	75	160	2627	-	51	2224	6468	1824	4902	24.7	1:8.9	14	106
1233	173	-	1150	123	5	1027	-	-	1669	5392	1278	2696	17.7	1:9.6	63	103
1011	171	-	579	59	29	443	-	-	2012	8043	667	2455	16.	1:11.1	19	95
1193	170	612	866	78	9	1028	-	2074	1984	7031	1565	5086	21.8	1:5.6	24	75
1381	170	162	139	44	16	352	-	3163	-	10369	363	3515	22.4	1:6.3	50	105
1022	167	-	330	-	-	1388	397	793	-	8532	330	2578	17.7	1:7.9	67	89
Aver- age	239	206	1472	181	78	1428	12	1006	863	7337	1929	3330	17.1	1:7.7	46	100

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Feed Costs and Returns for Dairy Cows - 1929 (per cow basis)

Farm No.	B.F. per cow lbs.	Feed per cow				Feed cost per lb. B.F. (cents)	Value of produce per cow					Returns above feed cost per cow	% voluntary sales	% fresh heifers are of total cows		
		Concen.	Rough.	Pasture	Total cost		B.F. sales	Dairy prod used in house	Milk to other live-stock	Apprec.	Total				Depr. Net value of prod.	
1191	409	\$57.98	\$39.45	\$ 5.45	\$102.88	25.2	\$189.25	\$8.08	\$40.03	\$ 3.64	\$211.00	-	\$241.00	\$138.12	0	0
1131	363	51.72	31.79	5.80	89.31	24.6	165.17	5.64	31.01	3.72	205.54	-	205.54	116.23	28	28
1031	338	46.47	39.66	4.15	90.28	26.7	157.06	9.40	19.48	28.69	214.63	-	214.63	124.35	4	25
1151	319	29.60	40.66	5.30	75.56	23.7	151.18	13.61	13.24	-	178.03	-	177.71	102.15	0	16
1401	310	32.15	31.99	5.43	69.57	22.5	147.73	86.30	6.78	-	160.81	10.87	149.94	80.37	18	9
1321	306	25.54	28.84	7.32	61.70	20.2	134.19	9.03	25.46	-	168.68	-	168.08	106.38	13	18
1221	298	34.43	44.48	4.58	83.59	28.1	141.59	8.85	17.27	-	167.71	9.25	158.26	74.67	40	40
1231	286	29.45	26.30	6.77	64.52	22.6	127.11	18.53	22.64	6.00	174.28	-	174.28	109.73	9	19
1024	284	32.65	40.70	4.95	78.30	27.6	132.35	4.45	23.75	2.63	163.18	-	163.18	84.88	60	47
1201	271	18.73	26.78	5.86	52.37	19.3	119.81	6.34	27.49	-	153.64	9.67	143.97	91.60	20	20
1025	268	41.51	37.53	5.78	84.82	31.6	117.65	11.43	22.69	29.15	180.95	-	180.95	96.13	31	31
1802	262	25.12	34.31	6.56	65.99	25.2	129.05	5.40	19.52	-	153.97	34.71	119.26	53.27	0	10
1803	257	12.66	45.81	7.20	65.67	25.6	125.31	3.73	19.74	6.99	156.07	-	156.07	90.40	24	37
1402	256	29.29	35.69	7.01	71.99	28.1	117.38	6.41	13.05	-	136.84	5.19	131.65	59.66	11	34
1111	249	6.46	11.08	8.17	25.71	10.3	126.89	3.38	4.19	-	134.46	5.61	128.85	103.14	14	0
1911	247	15.61	29.92	7.43	52.96	21.4	113.03	3.14	22.20	4.02	142.39	-	142.39	89.43	0	46
1132	246	21.03	34.24	6.75	62.02	25.2	117.25	7.78	17.74	-	142.77	9.45	133.32	71.30	16	16
1133	245	24.21	21.33	6.38	52.22	21.3	109.32	9.86	25.44	13.00	157.62	-	157.62	105.40	67	39
1112	245	64.43	39.72	4.95	109.10	24.5	111.57	5.16	31.49	-	148.22	3.31	144.91	35.61	62	37
1291	245	20.96	47.82	5.07	73.85	30.1	109.55	7.60	22.82	4.40	144.57	-	144.57	70.72	17	8
1912	242	19.57	28.90	6.71	55.18	22.8	116.05	4.56	19.12	-	139.73	13.50	126.23	71.05	9	26
1411	236	41.29	18.84	6.13	66.26	28.1	121.49	4.58	13.62	20.64	160.33	-	160.33	94.07	22	25
Average	239	24.81	32.66	6.37	63.84	27.1	108.43	8.14	20.55	4.41	141.53	3.19	138.34	74.50	21	24

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Feed Costs and Returns for Dairy Cows - 1929 (per cow basis)

Farm No.	B.F. per cow lbs.	Feed per cow				Feed cost per lb. B.F. (cents)	Value of produce per cow					Returns above feed cost per cow	% voluntary sales	% fresh heifers are of total cows		
		Concen.	Rough.	Pasture	Total cost		R.F. sales	Dairy prod used in house	Milk to other live-stock	Apprec. Total	Depr. Net value of prod.					
1421	228	\$37.20	\$37.25	\$7.60	\$82.05	36.0	\$105.01	\$7.84	\$19.66	-	\$132.51	\$2.85	\$129.66	\$47.61	39	23
1051	227	16.56	26.36	6.91	49.83	22.0	105.61	5.42	23.51	\$11.29	145.83	-	145.83	96.00	28	14
1032	221	29.43	36.03	5.14	72.60	32.9	98.50	6.52	18.68	.17	123.87	-	123.87	51.27	16	40
1061	217	16.39	34.86	6.54	57.79	26.6	94.15	9.57	13.28	1.22	118.22	-	118.22	60.43	27	14
1192	217	14.99	39.66	6.64	61.29	28.2	98.34	9.36	18.10	15.71	141.51	-	141.51	80.22	38	23
1801	214	9.80	18.75	6.64	35.19	16.5	92.38	6.05	19.49	.02	117.94	-	117.94	82.75	28	42
1136	212	16.14	24.30	7.83	48.27	22.8	88.45	6.69	16.83	10.44	122.41	-	122.41	74.14	0	28
1121	206	23.73	33.54	7.14	64.01	31.1	80.63	24.29	25.44	-	130.36	1.18	129.18	65.17	12	0
1135	204	44.47	34.42	6.59	85.48	41.9	68.62	8.19	38.22	-	115.03	3.52	111.51	26.03	24	36
1601	201	24.71	49.54	5.91	80.16	39.9	89.61	8.06	21.47	-	119.14	3.53	115.61	35.45	33	29
1281	201	15.20	20.99	7.29	43.48	21.6	101.52	2.62	19.76	.82	124.72	-	124.72	81.24	0	22
1194	201	12.91	21.01	7.65	41.57	20.7	56.30	23.36	19.35	6.76	105.77	-	105.77	64.20	17	31
1052	200	17.94	33.93	6.35	58.22	29.1	92.63	7.35	12.73	1.92	114.63	-	114.63	56.41	15	8
1412	197	16.72	35.77	6.77	59.26	30.1	88.56	9.39	21.39	-	119.34	.26	119.08	59.82	27	27
1022	188	14.83	29.78	7.07	51.66	27.5	77.31	13.44	48.02	-	138.77	9.46	129.31	77.63	17	8
1134	185	15.81	26.80	6.59	49.20	26.6	80.84	5.97	15.09	-	101.90	13.24	88.66	39.46	10	32
1021	184	26.71	32.77	6.06	65.56	35.6	83.66	6.82	10.81	15.42	114.73	-	114.73	49.17	45	15
1233	173	16.59	21.31	7.26	45.16	26.1	71.60	6.72	33.40	3.49	115.41	-	115.41	70.25	32	32
1011	171	10.39	23.30	6.92	40.61	23.7	87.50	5.68	1.70	2.84	97.72	-	97.72	57.11	6	12
1193	170	21.14	39.66	2.85	63.65	37.4	79.57	4.42	19.39	-	103.39	3.51	99.88	36.23	15	21
1361	170	5.65	44.76	5.97	56.38	33.2	76.65	11.57	9.38	2.86	100.46	-	100.46	44.08	18	26
1022	167	3.97	32.00	7.85	43.82	26.2	72.76	5.32	19.90	-	97.98	-	97.98	54.16	10	30

Average 239 24.81 32.66 6.37 63.84 27.1 106.43 8.14 20.55 4.41 141.57 3.19 136.34 74.50 21 24

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Feed Costs and Returns for Young Cattle - 1929

Farm No.	Feeds Used per Head, Lbs.				Feed Costs per Head					Net value of product per head	Net value of prod. above feed cost per head	% death loss	
	Concen.	Hay & Fodder	Silage	Whole Milk	Skim-Milk	Concen.	Rough	Milk	Pasture				Total
1111	-	-	-	-	-	\$ -	\$ -	101.30	-	\$101.90	\$271.64	\$169.74	0
1132	911	1252	2941	150	1890	11.66	12.02	8.16	1.28	33.14	105.45	72.31	3
1401	1064	1492	1679	65	1691	12.76	13.45	5.98	-	32.21	96.46	64.25	0
1032	300	441	3236	762	1646	4.57	8.66	11.26	2.07	26.56	74.63	46.07	52
1131	819	997	2125	295	2927	9.76	9.34	17.03	1.92	34.07	80.60	46.53	17
1081	205	1774	-	376	1325	3.66	8.19	10.95	2.61	25.63	70.87	45.24	0
1421	1274	920	1780	189	2950	9.54	8.26	11.13	.70	29.65	68.65	79.00	13
1135	421	2331	-	653	2760	4.95	11.99	26.59	2.00	45.62	83.00	37.36	34
1601	437	1939	943	228	323	5.46	11.69	12.67	1.37	31.61	68.69	37.08	3
1151	256	533	686	17	2328	3.61	4.97	6.25	1.65	16.68	51.51	34.63	0
1402	131	295	1120	190	959	1.81	3.92	7.50	2.55	15.78	48.19	32.41	16
1912	250	466	2654	116	3481	3.12	7.82	11.10	1.35	23.39	50.69	27.50	12
1133	477	799	3815	1007	224	5.55	6.83	7.07	2.66	22.11	50.89	26.78	4
1024	219	620	3620	187	2616	2.50	10.09	10.35	2.60	25.52	51.41	25.00	34
1011	59	729	3110	146	-	.81	6.25	2.80	2.71	12.77	39.43	24.66	20
1412	324	488	2318	242	1192	3.83	6.37	7.60	2.70	20.50	42.74	22.16	0
1051	335	909	2045	368	1620	3.93	9.23	11.52	2.08	26.76	43.83	17.07	0
1602	367	1360	2860	3296	220	4.75	11.48	12.70	1.20	30.13	46.64	16.51	72
1194	190	238	3729	722	1667	2.40	7.91	11.58	4.09	25.96	42.15	16.17	12
1031	690	632	5329	299	1536	9.02	14.09	9.59	2.93	35.63	51.02	15.79	0
1023	570	691	2424	396	4137	7.27	9.65	16.36	1.12	36.42	51.69	15.27	12
1261	89	558	2047	148	1568	1.23	7.07	6.92	2.77	17.99	32.92	14.93	18
Average	392	1157	2780	495	1739	4.85	11.43	13.09	2.07	31.44	52.57	21.13	17

Feed Costs and Returns for Young Cattle - 1929 - continued

Farm No.	Feeds Used per Head, Lbs.					Feed Costs per Head					Net value of product per head	Net value of prod. above feed cost per head	% death loss
	Concen.	Hay & Podder	Silage	Whole Milk	Skim-Milk	Concen.	Rough	Milk	Pasture	Total			
1191	1058	1617	2488	653	2304	\$12.00	\$16.29	\$18.50	.84	\$47.63	\$62.50	\$14.87	50.
1801	90	134	3075	1089	-	1.13	8.64	20.92	2.48	33.17	46.49	13.32	17
1803	-	797	3543	104	1674	3.75	12.31	6.30	2.43	24.79	37.78	12.99	9
1022	112	1160	3978	225	1754	1.39	13.59	8.71	3.39	27.08	39.05	11.97	33
1052	277	513	1155	95	2626	2.74	4.24	8.98	1.86	17.82	29.66	11.84	90
1221	379	1205	5713	83	1249	4.60	16.38	5.14	2.36	28.48	39.37	10.89	116
1121	306	1616	3526	292	3528	3.74	16.58	14.89	.73	35.94	44.89	8.95	0
1136	487	1793	-	691	661	6.21	6.38	18.03	2.37	32.99	41.47	8.48	0
1291	215	2411	-	301	594	2.67	10.55	8.07	1.44	22.73	31.15	8.42	23
1201	423	912	4745	572	24	5.47	13.13	14.59	1.60	34.79	42.53	7.74	9
1132	359	1037	3801	54	2199	4.99	11.72	6.59	2.67	25.97	32.64	6.67	7
1025	281	731	6667	158	1282	3.46	17.12	6.41	2.75	29.74	36.05	6.31	6
1911	372	1507	4747	192	861	4.86	17.86	5.72	3.10	31.54	37.80	6.26	0
1112	1150	2145	1087	294	3096	15.39	14.85	13.54	2.60	46.38	50.84	4.46	2
1192	624	1173	3819	200	1869	7.31	13.96	8.74	1.89	31.92	34.69	2.77	0
1321	233	1498	2440	163	2946	2.69	14.07	10.67	2.70	30.13	27.35	- 2.78	0
1411	423	403	2980	264	1559	5.69	8.26	9.67	2.81	26.43	27.03	- 3.40	20
1193	334	1646	6583	489	1146	4.04	21.59	12.25	1.73	39.61	35.81	- 3.80	3
1021	136	1556	2316	161	822	1.69	11.49	2.42	2.38	17.98	13.52	- 4.46	11
1381	2	2264	6310	226	112	.09	27.09	5.18	1.96	34.32	25.57	- 8.75	14
1231	188	2493	1847	359	2012	2.90	17.59	14.17	2.43	37.09	23.17	-13.92	0
1233	309	2638	3619	700	6790	3.97	15.46	31.35	1.64	52.42	34.48	-17.94	38
Average	392	1157	2780	495	1739	4.85	11.43	13.09	2.07	31.44	52.57	21.13	17

Factors of Cost in Pork Production - 1929

Farm No.	Lbs. of Feed per 100 Lbs. of Pork					Value of Feed per Lbs.				Returns above feed cost per 100 lbs. pork	Total No. of litters	Average No. of pigs per litter	
	Corn	Small grain	Mill feeds	Total grain	Tank.	Skim-milk	Grain & mill feeds	Tank. & Skim-milk	Pasture				Total
1024	127	198	-	325	2	392	\$3.66	\$1.04	\$.24	\$4.94	\$7.45	10	8.2
1401	88	172	12	267	-	139	3.09	.35	-	3.44	6.01	2	5.5
1291	211	112	1	324	-	577	3.76	1.44	.09	5.29	5.80	9	6.3
1133	46	154	-	200	-	496	2.30	1.24	.11	3.55	5.52	-	-
1402	47	460	1	508	-	296	5.71	.74	.26	6.71	5.37	11	7.6
1911	189	131	12	332	2	690	4.12	1.79	.24	6.15	4.24	9	8.9
1011	257	69	21	347	-	516	4.28	1.29	.25	5.82	4.17	11	7.6
1421	292	143	9	444	6	381	5.30	1.18	.27	6.75	4.12	10	6.3
1194	335	264	-	599	-	58	6.83	.14	.25	7.22	3.87	-	-
1031	108	321	7	436	5	181	5.09	.57	.24	5.90	7.81	10	5.6
1801	216	150	2	368	3	784	4.25	1.14	.22	5.71	3.70	59	5.8
1112	149	337	-	486	-	292	5.68	.73	-	6.41	3.45	26	5.3
1233	254	164	2	420	1	455	5.29	1.19	.21	6.69	3.29	5	7.6
1061	193	126	-	319	-	692	3.77	2.48	.32	6.57	3.28	-	-
1025	249	176	3	428	-	422	5.19	1.05	.27	6.47	3.16	12	6.8
1032	142	342	6	490	-	275	5.71	.80	.18	6.69	2.93	6	4.8
1111	250	224	16	490	-	791	5.66	.81	.27	6.94	2.64	13	5.6
1191	221	178	1	400	-	1089	4.71	2.72	.17	7.60	2.51	4	9.3
1052	508	50	-	553	1	193	6.56	.53	.24	7.33	2.50	15	6.5
1136	409	235	-	644	-	331	7.37	.82	.35	8.54	2.41	2	8.0
1131	221	256	21	508	-	667	6.19	1.67	.14	8.00	2.39	7	7.9
1803	375	89	79	543	3	383	6.84	1.07	.23	8.14	2.33	15	5.5
Average	301	232	9	541	1	580	6.43	1.44	.20	6.07	1.85	8	6.2

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Factors of Cost in Pork Production - 1929 - continued

Farm No.	Lbs. of Feed per 100 Lbs. of Pork					Value of Feed per Lbs.				Returns above feed cost per 100 lbs. pork	Total No. of litters	Average No. of pigs per litter	
	Corn	Small grain	Mill feeds	Total grain	Tank.	Skim-milk	Grain & mill feeds	Tank. & skim-milk	Pasture				Total
1321	278	124	-	402	3	666	\$4.78	\$1.77	.36	\$6.91	\$2.23	11	3.7
1193	400	143	4	547	-	319	6.61	.79	.27	7.67	2.22	18	4.6
1134	449	158	4	611	2	194	7.36	.58	-	8.24	2.01	-	-
1912	562	4	-	566	-	340	7.02	.85	.23	8.10	1.96	14	4.0
1221	350	72	-	432	-	696	5.11	1.74	.31	7.16	1.86	5	7.6
1231	283	186	19	468	-	397	6.02	.99	.32	7.33	1.82	5	6.8
1151	448	133	-	564	-	362	6.95	.95	-	7.90	1.74	-	-
1201	194	324	11	529	5	566	6.66	1.60	.08	8.36	1.74	5	5.4
1132	303	269	2	574	2	348	6.88	.94	.12	7.94	1.47	10	5.5
1051	768	142	-	530	-	1074	6.32	2.69	-	9.01	1.18	8	5.0
1022	279	163	-	442	-	628	5.60	2.07	.29	7.96	.95	5	8.0
1192	350	227	23	600	-	200	8.02	.50	.40	8.92	.31	12	6.7
1601	118	420	45	583	-	200	6.68	.50	-	7.18	-.07	2	3.5
1023	400	125	-	525	-	1703	5.81	4.25	.26	10.32	-.49	7	6.2
1411	151	640	19	810	-	565	9.47	1.46	-	10.93	-.50	4	4.3
1261	247	412	-	659	-	762	7.59	1.90	.46	10.07	-1.33	13	6.6
1281	426	248	30	704	-	521	8.52	1.30	.13	9.95	-1.66	3	3.7
1021	505	240	-	605	-	1165	9.46	2.92	.39	12.77	-3.01	19	3.8
1412	723	291	-	1024	-	1595	11.89	3.99	.24	16.12	-3.21	9	5.0
1135	466	401	31	900	-	196	10.11	.49	.16	10.76	-3.50	-	-
1602	249	534	5	788	-	1783	8.84	4.46	-	13.30	-4.07	5	6.0
1121	605	574	-	1269	-	703	15.23	1.76	.14	17.33	-5.09	5	7.4
Average	301	232	9	541	1	560	6.43	1.44	.20	8.07	1.65	6	6.2

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Feed Costs and Returns for Poultry - 1929

Farm No.	Total feed (lbs.) per 100 Hens		Cost of feed per 100 Hens			Value per 100 Hens			Returns above feed cost per 100 Hens	Eggs laid per Hen
	Concen.	Skim- milk	Concen.	Skim- milk	Total	Eggs	Poultry	Total		
1802	23371	23188	336.33	60.47	396.80	259.66	652.59	912.27	515.47	96
1191	14306	10033	317.42	25.06	342.50	434.41	390.26	824.69	482.19	178
1151	14697	7599	166.14	19.00	207.14	222.04	454.15	676.19	469.05	106
1032	16298	6028	272.63	19.07	291.70	406.06	336.03	742.09	454.39	174
1912	10016	24571	122.79	61.43	184.22	425.10	210.20	635.30	449.08	162
1052	19061	6200	261.96	33.35	295.31	100.55	604.94	705.49	410.18	45
1061	9790	3677	156.20	9.19	165.39	296.65	261.44	558.09	392.70	130
1011	9576	2345	114.64	5.66	120.50	129.16	344.62	474.00	357.50	56
1321	11562	17060	171.14	46.03	219.17	374.72	171.72	546.44	327.27	156
1135	15595	4495	250.22	11.25	261.47	336.32	240.70	577.02	315.55	138
1911	9540	7192	145.05	17.98	163.03	509.71	115.07	624.78	261.75	132
1051	7349	12384	98.67	30.96	129.63	204.52	182.50	387.12	257.49	74
1133	10397	2363	137.59	5.91	143.50	201.37	166.32	369.69	226.19	79
1231	11271	5506	142.95	13.76	156.71	265.64	93.76	379.60	222.89	106
1361	10475	1793	164.74	4.97	169.71	278.37	100.04	378.41	208.70	116
1031	15227	4667	245.97	11.67	257.64	324.54	139.07	463.61	205.97	133
1023	10649	2027	140.71	5.07	145.78	202.56	146.42	350.98	205.20	90
1131	12062	2650	236.25	7.47	243.72	345.33	102.14	447.47	203.75	152
1803	10433	5960	136.25	14.95	151.20	309.05	39.97	349.02	197.82	132
1291	14421	7634	217.66	21.19	238.85	341.64	93.56	435.22	196.37	158
1402	7107	5365	106.60	16.42	123.22	264.60	15.59	300.39	177.17	124
Average	11896	7009	179.46	17.66	197.12	347.19	146.55	369.74	192.60	103

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Feed Costs and Returns for Poultry - 1929 - continued

Farm No.	Total feed (lbs.) per 100 Hens		Cost of feed per 100 Hens			Value per 100 Hens			Returns above feed cost per 100 Hens	Eggs laid per Hen
	Concen.	Skim- milk	Concen.	Skim- milk	Total	Eggs	Poultry	Total		
1233	7770	9648	\$153.40	\$24.62	\$178.02	\$334.37	\$19.78	\$354.15	\$176.13	144
1192	15581	17179	202.50	42.95	245.45	258.78	156.57	415.35	169.90	115
1121	7360	3395	180.93	23.60	204.73	326.56	46.77	373.33	168.60	137
1201	10296	1216	138.16	3.04	136.22	237.02	64.34	301.36	165.14	107
1801	3543	-	43.90	-	43.90	134.05	55.23	189.28	145.38	61
1112	24630	15515	385.80	41.30	427.10	267.55	295.55	563.10	136.00	76
1401	11648	6667	163.16	16.67	179.83	232.25	74.13	306.38	126.55	107
1194	11919	1854	141.04	4.64	145.68	184.63	60.22	244.85	99.17	86
1221	22168	5370	238.81	13.32	252.13	214.90	129.09	343.99	91.66	103
1412	3470	5028	39.90	13.41	53.31	116.94	21.05	137.99	84.66	56
1024	5506	6119	74.61	15.30	89.91	211.84	- 46.37	165.47	75.56	97
1134	17286	4527	262.56	11.32	273.88	167.77	176.04	343.81	69.93	74
1111	7679	101	112.97	1.26	114.23	143.28	31.46	174.74	60.51	64
1021	8727	3740	103.74	8.35	112.09	145.60	25.14	170.74	58.65	54
1025	9229	-	131.32	-	131.33	105.65	72.28	177.93	46.60	48
1136	9357	4668	137.37	12.62	149.99	239.13	- 45.45	193.68	43.69	102
1193	6295	-	95.21	-	95.21	129.15	- 7.68	121.47	25.07	55
1022	10196	3098	121.08	7.76	128.84	153.00	- 5.33	147.67	18.80	70
1801	4519	5455	51.39	13.64	65.03	105.34	- 35.13	70.21	5.18	45
1132	32925	12183	513.31	30.46	543.77	293.83	162.86	457.69	-80.08	128
1411	6000	26047	286.07	15.00	301.07	139.88	36.26	176.14	-124.93	57
Average	11896	7009	179.46	17.68	197.14	243.19	146.55	389.74	192.60	103

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Feed Cost for Horses - 1929

Farm No.	% colts are of horses	Feed per Horse (lbs.)			Feed Costs per Horse				Crop acres per horse	
		Grain	Tame hay & alfalfa	Wild hay & fodder	Grain	Rough.	Pasture	Total	With tractor	Without tractor
1052	9.0	483	2616	29	4.37	14.68	4.80	23.85	52	-
1151	-	762	2667	2333	9.58	17.83	1.67	29.08	-	10
1803	-	1107	1399	1166	11.89	13.68	4.45	30.02	33	-
1133	24.0	1095	634	152	13.74	9.70	8.55	31.99	25	-
1135	-	1533	1014	1960	17.55	14.00	3.25	34.80	-	23
1121	16.2	1378	2621	-	17.74	14.00	5.41	37.15	36	-
1112	-	998	2084	861	12.54	18.82	5.89	37.25	51	-
1221	-	963	4375	250	12.24	22.56	5.42	40.22	20	-
1291	22.7	1403	3374	562	17.05	20.24	3.09	40.38	21	-
1136	24.7	1784	2637	1152	22.25	15.34	3.89	41.48	-	23
1233	-	1809	1613	3226	22.24	18.55	2.31	43.10	23	-
1192	24.4	1900	2496	430	23.05	14.72	5.35	43.12	22	-
1421	19.6	2060	2469	-	24.92	14.81	3.57	43.30	-	19
1023	11.8	1400	4000	89	16.42	21.75	5.22	43.39	-	14
1132	17.5	2218	1238	1700	27.94	11.30	4.52	43.76	24	-
1281	18.4	1675	2989	1794	21.23	18.98	3.57	43.78	37	-
1191	-	2451	1400	1000	29.61	12.30	3.58	45.49	-	14
1021	-	2880	967	1289	35.22	10.15	3.22	48.59	33	-
1031	18.1	2147	1874	234	34.80	10.08	5.37	50.25	19	-
1911	22.0	2210	3359	67	28.39	19.96	3.12	51.47	-	17
1024	20.0	2376	1600	4100	27.74	20.60	3.39	51.73	35	-
1401	-	3175	1000	750	41.59	5.58	4.67	51.84	-	18
Average	8.4	2359	3046	1309	28.87	20.37	3.56	52.80	30	18

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Feed Cost for Horses - 1929 - continued

Farm No.	% colts are of horses	Feed per Horse (lbs.)			Feed Costs per Horse				Crop acres per horse	
		Grain	Tame hay & alfalfa	Wild hay & fodder	Grain	Rough.	Pasture	Total	With tractor	Without tractor
1601	9.4	2373	207	5384	\$28.03	\$20.39	\$3.55	\$51.97	23	-
1131	-	2125	3500	1500	24.83	24.75	3.13	52.71	-	15
1134	-	2479	2326	1383	29.95	19.47	3.60	53.02	20	-
1081	8.3	2192	4587	306	28.38	23.09	2.87	54.34	-	18
1801	24.9	3281	994	894	40.82	8.20	5.55	54.57	25	-
1201	-	2322	3000	1500	30.60	23.90	1.90	55.50	23	-
1134	-	2096	5543	-	25.20	28.41	3.32	56.93	-	14
1912	-	3840	1200	400	47.17	9.20	1.00	57.37	24	-
1051	7.9	2710	4762	-	30.89	25.22	3.81	59.92	31	-
1011	4.4	3070	4098	-	37.04	20.98	2.87	59.99	-	19
1321	19.0	3224	4346	2153	38.53	19.33	2.22	60.08	-	26
1802	-	2945	3313	103	37.39	19.78	3.64	60.81	26	-
1022	8.1	3625	1644	1354	47.12	12.62	1.48	61.22	-	21
1032	2.6	2838	922	9600	33.47	29.76	3.08	66.31	-	20
1881	3.2	2133	8475	-	26.97	41.77	1.21	69.95	-	17
1411	-	4534	2667	-	56.67	15.20	-	71.87	36	-
1231	9.1	2037	6909	2000	25.52	43.92	3.18	72.62	-	14
1025	7.2	2207	5337	2441	27.00	43.16	3.51	73.67	37	-
1193	9.4	3741	3374	3562	45.85	36.62	5.08	77.55	35	-
1111	-	3214	6118	1883	38.68	38.83	1.50	79.01	26	-
1412	-	3194	8000	-	41.95	38.00	3.41	83.36	40	-
1402	9.2	4617	4289	-	56.00	25.96	2.62	84.60	22	-
Average	8.4	2359	3046	1309	28.67	20.37	3.56	52.60	30	18