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#38
Report 38

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
Waseca County

By

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M.C. Hansen, County Agent

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Division of Farm Management and Agricultural Economics
University Farm
St. Paul, Minn.
April 1930.

Second Annual Report of the Better Farming Clubs of
Waseca County 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 thirty-eight farmers in Waseca County, Minnesota, have been cooperating during the year 1929 in a farm account project, known as the Better Farming Club of Waseca County. Eleven 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., Dodge, Freeborn, Goodhue, Rice and Steele 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 W. L. Cavert of the Agricultural Extension Division, who aided in closing the books at the end of the year 1929. Hearty support and assistance has been rendered by M. C. Hansen, County Agricultural Agent of Waseca County.

Type of Farming in Waseca County

The farms selected for the study are livestock farms on which dairy cattle are the principal source of income. 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 skimmilk 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, flax, sweet corn, canning peas and sugar beets 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 three-tenths, and receipts from hog sales about one-fourth of the average cash income for the 38 cooperators in Waseca County. In 1928 cash receipts from dairy products were relatively higher and those from hogs lower than in 1928, amounting to approximately one-third and one-fifth, respectively.

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 163 acres. The average farm inventory was \$23,082. 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 a few additional cooperators included, the average size is five acres above that in 1928, in which year the average size was 158 acres, and average farm inventory was \$23,707. 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; 14 per cent of permanent improvements; 8 per cent of feeds and supplies; 7 per cent of machinery and equipment; and 15 per cent of livestock, of which almost one-half or an average of \$1,360 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 38 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 \$4925. In addition farm produce to the value of \$332 was consumed by the farm family and there was an average inventory increase of \$787 per farm. The total average receipts per farm is the sum of these three items, \$6044. The average total expense per farm, \$2540, includes \$2432 cash expense and an estimated allowance of \$108 for board of hired labor. The difference between the total income and total expense figure is \$3504. 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, \$1154, for the services of capital, there remains \$2350 for the services of the farmer and his family. The average value of family labor used, if computed at hired man's wages was \$315. The average operator's labor earning is the family earnings less their allowance of \$315, or \$2035. 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 several changes made and eleven additional farms included in the 1929 report. The average operator's labor earnings per farm for the farms in 1929 were \$660 higher than for those in 1928. Cash receipts were \$625 higher in 1929 and the increase in inventory was \$396 higher. Expenses were \$277 greater in 1929, and due to a smaller inventory, interest on investment was \$31 lower. Changes in other items were small. The higher cash receipts and inventory increase were due primarily to higher crop yields, and higher prices for hogs sold. The average price received for the sale of hogs was \$1.55 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 232, while that for 1928 was 223. The group in 1929 produced on the average 150 pounds more pork than the cooperators who were in the project in 1928. After adjusting cash items for changes in inventory, there were small increases in the average gross returns for each class of productive livestock with the exception of sheep.

There were 23 farmers who were in the project in both years. The average earnings for these twenty-three farmers was \$1469 in 1928 and \$2156 in 1929, which shows an average gain of \$687. Only five farmers had lower earnings in 1929 than in 1928.

Summary of Farm Inventories

Items	Your Farm	Average	High Farm	Low Farm
Size of Farm (acres)		162.7	329.	78.5
Size of business (prod. man work units) (1)		544.	1051.	204.0
Average farm inventory (without house)	\$	\$23082.	\$41523.	\$10951.
Land		12912.	28505.	4500.
Farm Improvements		3266.	8463.	662.
Machinery & equipment (total)		1710.	4224.	453.
General machinery & equipment		1205.	3208.	366.
Tractor		238.	843.	-
Truck		56.	500.	-
Auto (farm share) (2)		153.	630.	-
Gas engine (farm share)		26.	129.	-
Electrical equipment (farm share)		32.	293.	-
Feeds and seeds		1765.	3722.	791.
Misc. Supplies		28.	156.	-
Horses (total)		474.	1223.	185.
Horses		441.	1110.	185.
Colts		33.	243.	-
Productive Live Stock (total)		2927.	7851.	1106.
Cows		1360.	3870.	373.
Other Cattle		673.	2835.	44.
Hogs		519.	2019.	151.
Sheep		119.	1022.	-
Poultry		226.	1379.	52.

Statement of Average Amounts of Live Stock

Items	Your Farm	Average	High Farm	Low Farm
Total horse animal units (3)		5.6	9.5	3.1
Horses		5.3	9.0	3.1
Colts		.3	2.0	-
Total productive animal units		29.8	49.3	8.6
Cows		13.0	28.9	3.0
Other cattle		6.9	17.1	.7
Hogs		7.0	14.9	.7
Sheep		1.4	10.6	-
Poultry (hens)		1.5	9.8	.2
Number of cows per worker		6.8	12.1	2.5
Number of cows per 100 acres		8.3	20.9	2.5

- (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 - 1929CASH EXPENSES

	Your Farm	Average	High Farm	Low Farm
Tractor (new & exp.)		\$282.	\$1387.	\$ -
Truck (new & exp.)		55.	645.	-
Auto (new & exp.) (farm share)		128.	492.	-
Gas engine (new & exp.) (farm share)		24.	155.	-
Elec. plant or current (new & exp.) (farm share)		42.	284.	-
Machinery & equipment (new)		193.	1867.	-
Machinery & equipment (exp.)		67.	352.	-
Bldgs., fences, tiling (new)		218.	1611.	-
Bldgs., fences, tiling (exp.)		38.	322.	-
Hired labor		271.	1169.	-
Feed for livestock		372.	1801.	8.
Other expense for livestock		48.	277.	-
Horses bought		26.	211.	-
Cows bought		29.	375.	-
Other cattle bought		96.	1255.	-
Hogs bought		39.	253.	-
Sheep bought		7.	65.	-
Poultry bought		40.	149.	-
Crop (seed, twine, spray)		177.	482.	35.
Taxes and insurance		250.	525.	96.
General farm		30.	90.0	5.
(1) Total cash expense		2432.	7226.	457.
(2) Decrease in farm inventory		-	923.	-
(3) Board for hired labor		108.	300.	-
(4) Total expense (sum of 1,2,& 3)		2540.	7521.	620.

CASH RECEIPTS

Horses		35.	760.	-
Cows		290.	1501.	-
Dairy products		1382.	3139.	112.
Other cattle		360.	1533.	-
Sheep		109.	961.	-
Hogs		1275.	3136.	73.
Poultry		184.	1601.	-
Eggs		374.	4224.	2.
Small grain		226.	2112.	-
Corn		52.	883.	-
Hay		23.	114.	-
Root crops		74.	1960.	-
Other crops		293.	2323.	-
Miscellaneous		184.	844.	-
Outside		64.	744.	-
(5) Total cash receipts		4925.	11192.	1349.
(6) Increase in farm inventory		787.	3558	-
(7) Farm produce used in house		332.	732.	136.
(8) Total receipts (sum of 5,6,& 7)		6044.	15341.	1968.
Total expense (4)		2540.	7521.	620.
(9) Returns to capitol & family labor (8-4)		3504.	7820.	1299.
(10) Interest on farm inventory		1154.	2076.	620.
(11) Family labor earnings (9-10)		2350.	6143.	373.
(12) Unpaid family labor		315.	1080.	30.
(13) Operator's labor earnings (11-12)		2035.	5933.	103.

Summary of Farm Earnings, 1929 (A)

<u>EXPENSES AND NET DECREASES</u> Items	Your Farm	Average	High Farm	Low Farm
Total power machinery & equipment		\$ 252.	\$ 708.	\$-85.
Tractor		78.	353.	-120.
Truck		28.	214.	- 7.
Auto (farm share)		108.	269.	-
Gas engine (farm share)		14.	126.	- 23.
Elec. plant or current (farm share)		24.	177.	-
General machinery & equipment		190.	555.	- 73.
Bldgs. fencing, tiling		118.	708.	- 19.
Hired labor		271.	1169.	-
Prod. livestock misc. expense		47.	279.	-
Crop		176.	752.	24.
Taxes and insurance		250.	525.	96.
General farm		30.	90.	5.
Board for hired labor		108.	300.	-
Decrease in crops and feeds		-	838.	-
Unpaid family labor		315.	1080.	50.
Decrease in horses		23.	143.	-
Misc. expense for horses		1.	8.	-
Interest on Farm Inventory		1154.	2076.	620.
(1) Total expenses		2935.	5634.	1093.
<u>RETURNS AND NET INCREASES</u>				
Increase in crops and feeds		671.	3483.	-
Gross returns from all prod. livestock		4499.	10880.	1307.
Cows		1763.	3875.	487.
Other cattle		674.	2588.	19.
Hogs		1337.	2874.	49.
Sheep		81.	694.	-
Poultry		644.	6449.	58.
Outside and misc. receipts		76.	744.	-
Increase in horses		-	65.	-
(2) Total returns and net increases		5246.	11274.	1207.
(3) Products used on the farm		276.	824.	41.
(4) Gross returns (2-3)		4970.	10955.	1749.
Total expenses (1)		2935.	5634.	1093.
(5) Operator's labor earnings (4-1)		2035.	5933.	103.
Gross returns per \$100 expense		169.	226.	104.

(A) Cash receipts and expenses are adjusted for changes in inventory for each enterprise and for 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 to
Wheat	9		4.6	24.0	33.0	13
Oats	23		10.2	48.0	65.0	25
Barley	26		9.0	36.2	55.3	20
Rye	1		0.2	18.6	-	-
Flax	2		0.9	15.0	17.5	12
Wheat & Oats	13		3.7	42.0	63.2	28
Oats & Barley	20		10.5	49.6	86.4	35
Canning peas	4		1.7	1857.0	3389.0	111
Other grains & mixtures	6		1.1	35.2	69.6	35
Total grain			41.9			
Corn, grain	38		28.0	49.6	68.3	35
Corn, silage	19		3.9	8.9	14.2	7
Corn, fodder	11		1.7	2.8	4.0	3
Sweet corn	16		5.1	2.8	4.0	3
Potatoes	24		0.4	125.2	333.0	13
Sugar beets	4		2.1	9.1	10.7	5
Total cultivated crops			41.2			
Alfalfa	34		9.8	3.3	5.0	1
Clover & clover mixtures	16		4.6	1.7	3.0	0
Other legumes	1		0.4	2.5	-	-
Timothy	3		1.1	1.3	1.7	1
Annual hay crops	3		0.4	2.0	3.0	1
Wild hay (on tillable land)	11		2.5	1.5	2.2	0
Wild hay (on non-tillable land)	21		8.9	1.1	2.0	0
Total hay			27.7			
Total Crop Acreage			110.8			
Sweet clover pasture	14		3.7			
Miscellaneous legume pasture	14		1.6			
Other tillable pasture	21		11.1			
Non-tillable pasture	13		21.8			
Total pasture			38.2			
Summer fallow			0.2			
Timber - not pastured			1.3			
Roads & waste			6.4			
Farmstead			5.8			
Total acres in farm			162.7			
% of land tillable			72.8			

EFFECT OF WELL BALANCED EFFICIENCY ON FARM PROFITS

It is quite evident from this report that few farmers have a monopoly on efficiency. Quite often farm operators show efficient management in one part of the farm business, which is offset by poor results in other phases of the business. These farmers get medium returns while those who fall down all along the line get the lowest returns, and those few who can manage a large volume of business with high all around efficiency are well paid for their labor and management.

A careful observation of the data secured in this report indicate that the farm earnings in 1929 are affected noticeably by the same seven factors as in 1928. These factors are as follows:

1. Pounds of butterfat per cow.
2. Gross returns above feed cost per unit of productive livestock.
3. Number of productive livestock units per 100 acres.
4. Index of crop yield.
5. Productive man work units per worker.
6. Equipment and farm power expense (buildings, fencing, all machinery, horse feed and miscellaneous expense) per productive man work unit.
7. Size of business (total number of productive man work units).

In Chart 1 is shown the effect of the number of above factors in which the farmer excels on his labor earnings. The ten farmers who excelled in five or six factors had average earnings of \$2497 above the average of two farmers who did not excel in any of the factors.

Chart 1. Relation of Operator's Labor Earnings to the Number of Factors in which Farmer is Above the Average in Efficiency.

Number of factors in which farm excels	No. of farms	Your farm	The length of the shaded lines are in proportion to the average operator's labor earnings	Average operator's labor earnings
Five or six	10		XX	\$3097
Three or four	16		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	1960
One or two	10		XXXXXXXXXXXXXXXXXXXX	1379
None	2		XXXXXX	600

The array in Chart 1 suggests that it will be worth while for each co-operator to study carefully his ranking on page 9, and note how he stands in respect to each of the above factors and other related factors and measures of efficiency. A further study of pages 11 to 17 may show him the reasons for his ranking in these various measures.

Each cooperator should bear in mind that the amount by which he is above or below the average may be as important as the number of factors in which he is high or low. For example, the farm that ranks eighth from the bottom in respect to operator's labor earnings, is above the average in four factors, but is so far below the average in two factors that these offset the effect of the other four and reduce his earnings to the low point.

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 Head of			Expenses per work unit.			Prod. Work Units per Worker	Prod. Live Stock per 100 A Units	Total No. Prod. Work Units	
				100 lbs. of Cat-tle	100 lbs. of Pork	Hen.	Farm Power	Gen. Mach. and Eq.	Bldgs. Fenc. and Til-ling				
6192	\$5933.	135	210	\$68.35	\$16.19	\$5.79	\$4.73	\$1.00	\$.54	\$.05	342	35.9	890
6183	4700.	90	320	159.17	42.73	4.25	2.57	1.08	.39	.24	267	11.9	802
6191	4698.	128	305	75.04	41.96	2.89	4.43	1.19	.41	.36	362	26.7	906
6101	4182.	88	250	93.94	36.09	2.14	2.45	.83	.07	-.04	295	15.0	767
6262	4151.	112	228	60.00	15.71	1.55	.54	1.13	.53	.35	438	14.5	1051
6083	3302.	119	279	83.32	8.90	2.65	.95	.67	.35	.17	312	30.8	656
6131	2911.	117	230	64.08	48.47	-4.16	3.99	1.20	.20	.24	231	15.2	624
6194	2893.	110	333	80.24	32.50	3.15	2.44	.86	.33	.35	405	25.9	526
6184	2704.	112	265	78.93	25.51	2.58	1.85	1.26	.29	.27	367	24.7	734
6232	2499.	78	214	100.54	-5.72	4.23	.54	1.16	.52	-.76	276	17.0	525
6022	2141.	91	324	107.91	13.03	2.94	2.35	1.02	.41	.14	306	17.1	489
6231	2132.	114	287	94.49	3.03	-.55	3.79	.78	.41	.37	245	25.1	367
6061	2073.	115	219	70.12	16.73	2.93	2.01	.99	.43	.14	257	20.4	462
6261	2035.	86	248	94.04	22.27	1.97	3.02	.82	.56	-.07	307	17.6	460
6132	2018.	111	226	59.65	9.99	2.30	2.55	.97	.19	-.01	248	21.5	620
6124	1973.	76	248	89.76	7.43	5.08	.16	1.17	.40	.29	307	13.3	675
6181	1957.	92	242	81.44	17.50	3.96	3.22	1.01	.42	.00	222	16.8	377
6081	1818.	110	236	55.80	-10.12	1.97	1.81	.90	.20	.22	350	25.4	523
6023	1770.	84	245	56.19	29.70	1.95	2.37	1.26	.29	.28	304	13.1	638
6122	1757.	98	235	63.75	-1.86	.66	1.20	.97	.28	.15	267	21.9	640
6021	1733.	108	260	63.99	24.12	2.95	1.66	.86	.26	.35	282	19.9	338
6085	1639.	82	179	49.95	18.94	3.70	2.11	1.06	.38	.19	277	16.2	555
6111	1575.	117	285	65.79	30.60	3.33	2.53	.99	.50	.09	265	25.4	398
6031	1524.	99	178	42.51	10.73	2.83	3.37	1.38	.39	.37	312	14.0	686
6185	1518.	76	168	50.20	22.71	3.34	1.80	.88	.28	.33	320	18.5	543
6113	1497.	101	263	64.78	97.27	2.89	1.95	.21	-.30	.27	184	14.0	258
6123	1341.	111	209	51.99	41.03	.67	.40	.80	.15	.12	256	18.2	384
6032	1260.	85	210	63.98	8.63	2.28	.63	1.08	.46	.14	290	19.6	552
6082	1202.	100	237	68.23	20.88	2.99	2.06	1.11	.50	.21	286	32.3	514
6182	985.	102	232	68.93	20.82	.36	2.30	.75	.27	.43	293	18.4	523
6112	937.	101	120	29.29	12.58	2.43	.09	1.35	.30	.20	368	21.0	552
6071	911.	68	241	61.12	5.41	2.48	1.38	1.10	.23	.13	270	14.5	568
6133	801.	110	118	18.71	18.96	3.94	.41	1.18	.40	.23	198	17.3	396
6115	741.	100	175	43.74	-3.08	.90	1.13	1.81	.35	.17	205	13.6	225
6042	708	100	204	68.88	15.01	2.44	2.03	.83	.39	1.76	237	18.2	402
6041	635.	86	206	34.69	16.71	2.09	3.55	1.39	.56	.23	262	12.9	393
6052	564.	75	165	51.78	19.08	.62	2.53	1.52	.42	.30	186	7.2	204
6121	103.	99	204	53.07	-6.23	-.65	2.56	1.44	.17	.19	303	16.8	424
Aver- age	\$2035.	100	232	\$68.12	\$19.46	\$2.31	\$2.09	\$1.05	\$.34	\$.22	288	19.2	544
High	5933	135	333	159.17	97.27	5.79	4.73	.21	-.30	-.76	438	35.9	1051
Low	103	68	118	18.71	-10.12	-4.16	.09	1.81	.56	1.76	184	7.2	204

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 38 farms included in this summary are located between the two lines across the center of the page:

Oper. Lab. Earn.	Ind. of Crop Yield	Lbs. of B.F. per Cow	Returns above feed per				Expenses per work unit			Prod. Work Units per Work-er	Prod. Live Stock per 100-A Units	Total No. Man Work Units
			Cow	Head of other Cat.	100 Lbs. of Pork	Hen	Farm Power	Gen. Mach. and Eq.	Bldgs. Pen. and Til.			
\$5933.	135	333	\$159.17	\$97.27	\$5.79	\$4.73	\$.21	\$-.30	\$-.76	438	35.9	1051
5035	125	307	108.12	69.46	4.81	4.09	.45	.19	.02	388	31.7	944
4435	120	292	100.12	59.46	4.31	3.69	.57	.22	.06	368	29.2	864
3835	115	277	92.12	49.46	3.81	3.29	.69	.25	.10	348	26.7	784
3235	110	262	84.12	39.46	3.31	2.89	.81	.28	.14	328	24.2	704
2635	105	247	76.12	29.46	2.81	2.49	.93	.31	.18	308	21.7	624
2035	100	232	68.12	19.46	2.31	2.09	1.05	.34	.22	288	19.2	544
1735	95	217	60.12	15.46	1.81	1.79	1.17	.37	.26	273	17.7	494
1435	90	202	52.12	11.46	1.31	1.49	1.29	.40	.30	258	16.2	444
1135	85	187	44.12	7.46	.81	1.19	1.41	.43	.34	243	14.7	394
835	80	172	36.12	3.46	.31	.89	1.53	.46	.38	228	13.2	344
535	75	157	28.12	-.54	-.19	.59	1.65	.49	.42	213	11.7	294
103	68	118	18.71	-10.12	-4.16	.09	1.81	.56	1.76	184	7.2	204

Prices Received for Products Sold - 1929

Farm No.	Butterfat per lb. sold as milk	Butterfat per lb. sold as cream	Eggs per dozen	Hogs per 100 pounds
6192	-	.56	.36	8.63
6183	-	.50	.36	9.67
6191	.69	.51	.33	9.96
6101	-	.51	.30	10.05
6262	-	.52	.32	10.79
6083	-	.52	.34	10.61
6131	-	.51	.24	9.89
6194	-	.50	.35	9.77
6184	1.30	.52	.34	9.56
6232	-	.50	.25	8.90
6022	-	.52	.31	9.53
6231	-	.51	.28	8.99
6061	.86	.51	.27	9.12
6261	-	.51	.29	9.02
6132	-	.50	.30	9.53
6124	1.04	.52	.26	9.64
6181	-	.45	.28	9.93
6081	-	.49	.27	8.87
6023	-	.51	.26	8.70
6122	.79	.52	.25	9.26
6021	-	.51	.28	9.16
6085	-	.51	.29	10.21
6111	.91	.50	.29	9.86
6031	-	.51	.24	9.22
6185	-	.51	.26	9.05
6113	-	.50	.24	10.05
6123	-	.50	.25	9.34
6032	-	.51	.27	8.81
6082	-	.51	.25	10.45
6182	-	.52	.34	10.00
6112	-	.50	.26	10.07
6071	-	.49	.27	9.10
6133	-	.52	.28	8.76
6115	-	.51	.28	9.23
6042	.94	.49	.28	9.74
6041	-	.49	.32	9.67
6052	-	.42	.25	9.68
6121	-	.52	.27	8.50
Average	.93	.51	.29	9.51
High	1.30	.56	.36	10.79
Low	.69	.42	.24	8.50

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

Farm No.	B.F. per cow	Feed per Cow - Lbs.								Total Silage	Total Corn fodder	Total concn. 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							
6194	333	674	3151	9	138	259	-	3627	-	10535	3972	3886	20.6	6.5	60	86
6022	324	545	2396	-	-	1113	-	4638	-	1113	2941	5751	16.2	5.2	90	93
6183	320	106	1973	-	-	-	-	3341	759	6378	2079	4100	14.3	6.1	56	121
6191	305	451	1751	660	37	-	-	2207	828	10943	2899	3035	17.5	6.6	59	101
6231	287	-	3011	-	-	-	553	3605	1327	-	3011	5685	17.5	6.9	100	111
6111	285	262	2261	250	161	2125	766	1906	-	8324	2954	4819	21.0	7.3	75	88
6083	279	128	1956	-	18	1099	916	1648	-	11905	2102	3663	19.0	7.8	80	137
6184	265	-	1846	372	5	-	-	2264	-	15694*	2223	2254	16.8	5.6	79	96
6113	263	479	2189	214	28	456	2991	1709	3704	-	2910	8660	23.0	8.1	-	57
6021	260	195	1596	209	46	-	1622	3650	1275	2549	2046	6547	20.0	6.0	100	104
6101	250	896	431	232	-	-	800	2377	937	-	1559	4114	12.8	6.3	88	97
6124	248	-	1261	219	6	1365	1731	1789	692	-	1486	5597	15.5	6.0	40	87
6261	248	621	1225	-	203	160	1866	-	1279	9701	2049	3305	19.4	9.7	55	117
6023	245	406	1411	36	-	-	-	2748	-	12654*	1855	2748	19.3	6.5	82	123
6161	242	321	1481	42	38	637	-	1592	2548	-	1882	4777	14.6	7.6	80	106
6071	241	859	1838	-	8	81	327	4120	2827	-	2705	7751	21.7	6.3	100	89
6082	237	-	2386	34	18	765	-	2369	612	6881	2438	3746	19.9	6.5	50	61
6061	236	1616	-	-	-	1273	-	3916	3526	-	1616	8717	22.9	6.4	36	108
6122	235	233	1936	-	26	-	-	3696	729	5934	2196	4425	20.6	6.1	52	109
Average	232	421	1446	80	23	484	746	2462	1143	4955	1970	4655	20.2	7.0	60	99

(Pages 12 & 13)

* - Includes some beet tops or near vine silage.

Factors of Cost in Dairy Production - 1929 (per cow basis) (cont'd.)

Farm No.	B. F. per cow	Feed per Cow - Lbs.								Total Silage	Total concn. dry rough- age	Total digest nutri- per hl. B.F.	Nutri- tive ratio	% Cows fresh Sent. to Dec. incl.	Per cent calves born	
		Corn grain	Small feeds	Mill Oil Meal	Tame hay	Wild hay	alfalfa	Corn fodder								
5162	232	-	2130	7	-	969	527	2505	396	7383	2137	4417	21.4	7.0	76	112
6131	230	-	2087	-	12	-	-	2090	2746	8448	2099	4636	22.1	7.8	20	119
6262	228	232	1320	93	38	-	-	3456	-	13364*	1563	3458	18.8	4.9	85	118
6132	226	427	621	-	-	2011	-	2663	277	7032	1048	4951	19.9	6.3	86	97
6061	219	557	1441	-	-	-	2776	1828	406	5143	1998	5012	21.9	7.3	67	122
6232	214	867	572	56	-	903	452	877	387	-	1495	2619	11.4	6.9	50	90
6032	210	456	1110	-	-	-	-	4090	682	6544	1568	4772	22.1	6.0	17	41
6192	210	763	764	210	22	-	-	2034	726	6797	1779	2760	18.0	7.0	58	94
5123	209	612	782	93	28	-	649	2595	1050	10426	1515	4294	22.5	7.4	42	111
6041	206	516	1655	-	10	303	-	5403	2661	-	2181	6367	28.2	5.5	88	161
6042	204	1479	-	-	-	741	-	1463	3244	-	1479	5468	16.1	6.8	21	130
6121	204	105	1396	-	-	1120	-	3361	3735	-	1503	6216	25.6	6.6	14	65
6065	179	954	660	216	4	-	1806	695	1252	-	1834	3755	17.2	6.6	36	76
6031	178	-	1345	-	-	340	-	4414	-	7357*	1345	4754	26.0	5.6	19	91
6115	175	763	569	-	-	-	3091	1636	4618	-	1332	9545	30.9	9.5	50	36
6165	166	-	667	56	-	2632	-	-	-	4818	943	2632	16.5	8.4	42	121
6052	165	-	2036	37	-	-	3500	-	-	-	2069	3500	19.4	9.6	100	100
6112	120	-	796	-	-	-	-	2632	-	8340	796	2632	26.7	6.3	50	110
6133	116	637	476	-	-	-	3974	925	-	-	1115	4899	27.6	9.7	82	89
Aver- age	232	421	1446	60	23	464	746	2462	1143	4955	1970	4855	20.2	7.0	60	99

(Pages 12 & 13)

* - Includes some beet tons or pea vine silage.

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.	
6194	333	\$49.06	\$49.31	\$ 5.09	\$103.46	31	\$157.30	\$ 6.45	\$23.54	\$ -	\$187.29	\$3.59	\$183.70	\$80.24	17	43
6022	324	41.84	35.01	5.49	82.34	25	157.16	7.16	26.26	-	190.58	.33	190.25	107.91	19	9
6183	320	25.89	39.56	4.50	69.95	22	125.50	20.18	43.16	40.28	229.12	-	229.12	159.17	15	76
6191	305	39.41	40.00	7.80	87.21	29	144.31	5.12	22.71	-	172.14	9.89	162.25	75.04	-	51
6231	287	36.87	35.69	4.53	77.09	27	137.02	4.93	24.90	4.73	171.58	-	171.58	94.49	22	33
6111	285	39.04	41.93	4.04	85.01	30	138.90	3.25	20.73	-	162.88	12.08	150.80	65.79	44	22
6083	279	27.74	44.14	4.01	75.89	27	129.48	4.76	26.11	-	160.35	1.14	159.21	83.32	46	27
6184	265	29.93	40.59	6.69	77.21	29	132.30	3.31	20.78	-	156.39	.25	156.14	78.93	5	10
6113	263	36.38	29.96	7.66	74.00	28	107.65	18.23	34.58	-	160.46	21.68	138.78	64.78	28	57
6021	260	29.21	41.22	7.36	77.79	30	124.34	6.30	18.19	-	148.83	7.05	141.78	63.99	23	12
6101	250	21.29	20.84	7.50	49.63	20	117.89	5.92	19.19	.57	143.57	-	143.57	93.94	-	11
6124	248	20.99	28.94	5.77	55.70	22	118.33	6.47	20.11	.55	145.46	-	145.46	89.76	40	17
6261	248	29.24	30.17	6.43	65.84	27	111.59	8.22	25.78	14.29	159.88	-	159.88	94.04	43	53
6023	245	22.30	42.85	4.94	70.09	29	114.80	4.13	18.13	-	137.06	10.78	126.28	56.19	-	51
6181	242	22.57	20.38	5.31	48.26	20	80.98	32.56	8.73	7.43	129.70	-	129.70	61.44	-	-
6071	241	24.54	43.36	6.86	74.78	31	103.34	10.81	17.80	3.95	135.90	-	135.90	61.12	-	16
6082	237	30.92	37.54	5.37	73.83	31	111.89	5.71	21.33	3.13	142.06	-	142.06	68.23	23	23
6081	236	20.13	45.35	6.73	72.21	31	94.39	8.94	28.11	-	131.44	3.43	128.01	55.80	10	-
6122	235	26.60	39.43	7.16	73.19	31	107.86	8.12	19.14	1.82	136.94	-	136.94	63.75	26	42
6182	232	25.05	35.81	4.24	65.10	28	110.83	3.83	20.92	-	135.58	1.55	134.03	68.93	26	33
6131	230	25.30	37.94	6.19	69.43	30	105.23	6.15	22.73	-	134.11	.60	133.51	64.08	24	36
6262	228	43.62	22.89	7.29	74.00	32	100.83	6.38	28.49	-	135.70	1.70	134.00	60.00	-	31

Average 232 25.26 35.39 5.69 66.34 29 103.67 8.76 21.30 3.53 137.26 2.80 134.46 68.12 17 28

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

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	% volun- tary 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				Devr. Net value of prod.	
6132	226	\$12.59	\$47.46	\$ 3.56	\$ 63.61	28	\$102.83	\$6.21	\$15.29	\$ -	\$124.33	\$1.07	\$123.26	\$59.65	35	21
6061	219	24.63	39.23	4.19	66.05	31	117.25	9.13	23.66	-	150.04	11.87	138.17	70.12	-	49
6232	214	18.92	14.96	4.52	38.40	18	96.51	4.39	22.04	16.00	138.94	-	138.94	100.54	26	32
6032	210	18.58	43.35	5.36	67.29	32	92.71	9.47	20.74	8.35	131.27	-	131.27	63.98	20	20
6192	210	22.24	30.15	3.09	55.48	26	105.48	6.10	11.60	.65	123.83	-	123.83	68.35	11	22
6123	209	12.62	51.29	5.39	69.30	33	89.55	9.75	20.04	1.95	121.29	-	121.29	51.99	-	28
6041	206	27.15	53.42	5.34	85.91	42	87.06	10.18	18.42	4.94	120.60	-	120.60	34.69	-	81
6042	204	17.86	19.42	7.42	44.70	22	88.15	4.26	26.52	-	118.93	5.35	113.58	68.88	23	46
6121	204	18.49	44.44	5.84	66.77	34	90.99	8.94	19.58	2.33	121.84	-	121.84	53.07	19	9
6085	179	24.12	15.16	4.67	43.95	25	68.35	7.61	17.59	.35	93.90	-	93.90	49.95	28	14
6031	178	14.42	47.06	6.05	67.53	38	80.02	6.72	19.14	4.16	110.04	-	110.04	42.51	17	6
6115	175	17.01	36.68	7.27	60.96	35	77.53	12.17	11.82	3.16	104.70	-	104.70	43.74	36	-
6185	168	13.32	23.45	7.30	44.07	26	72.37	8.51	18.96	-	99.84	5.57	94.27	50.20	-	20
6052	165	25.20	14.50	7.00	46.70	28	37.41	36.62	19.45	5.00	98.48	-	98.48	51.78	-	-
6112	120	10.77	38.16	3.93	52.86	44	47.14	2.54	22.01	10.46	82.15	-	82.15	29.29	16	31
6133	118	13.83	23.28	4.46	41.57	35	54.18	3.16	11.21	-	68.55	8.27	60.28	18.71	8	16
Average	232	25.26	35.39	5.69	66.34	29	103.67	8.76	21.30	3.53	137.26	2.80	134.46	68.12	17	26

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 & Silage	Whole Milk	Skim-Milk	Concen.	Rough	Milk	Pasture	Total				
6113	322	1061	-	880	240	\$ 3.94	\$ 3.27	\$18.46	\$2.09	\$27.76	\$125.03	\$97.27	-
6131	567	2585	4294	549	1980	6.38	19.85	16.10	2.37	44.70	93.17	48.47	16
6163	142	4071	170	562	2225	1.80	22.10	16.97	3.26	44.13	86.86	42.73	13
6191	1115	1149	3105	244	1536	13.62	14.06	8.52	2.18	38.38	80.31	41.96	3
6123	311	2036	3507	692	4242	4.09	19.68	26.92	1.08	51.77	92.80	41.03	-
6101	1162	858	-	193	2391	14.51	5.15	9.89	2.87	32.42	66.51	36.09	-
6194	551	1195	2574	170	1241	6.50	13.88	6.55	1.31	28.24	60.74	32.50	-
6111	917	3686	3110	701	915	11.09	24.53	16.53	1.70	53.85	84.45	30.60	16
6023	152	632	6642	393	1412	1.76	16.79	11.72	2.17	32.44	62.14	29.70	32
6184	383	1276	7656	99	1811	.36	16.46	6.54	3.13	26.51	52.02	25.51	-
6021	264	1971	358	108	394	3.21	8.42	3.17	3.52	18.32	42.44	24.12	-
6165	387	277	1162	166	1436	4.68	3.82	7.05	3.30	18.85	41.56	22.71	11
6261	-	1128	3563	392	1409	-	10.87	11.47	3.21	25.55	47.82	22.27	-
6062	357	2092	2888	99	2570	4.24	17.35	8.44	1.37	31.40	52.28	20.88	5
6182	241	1225	2736	398	1654	2.91	10.99	12.21	1.77	27.88	48.70	20.82	7
6052	456	521	330	-	895	5.73	2.08	8.94	3.65	20.40	39.48	19.08	-
6137	114	2784	-	344	989	1.42	12.63	10.00	1.95	26.00	44.96	18.96	-
6065	630	1841	-	1138	2560	8.29	7.10	32.57	.95	48.91	67.85	18.94	10
6181	1163	2716	-	240	1993	13.24	15.02	11.07	2.99	42.32	59.82	17.50	-
Average	431	2068	2032	479	1624	5.18	14.67	13.49	2.39	35.73	55.19	19.46	12

(Pages 16 & 17)

Feed Costs and Returns for Young Cattle - 1929 (cont'd)

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			
6061	524	1662	2291	260	1939	\$ 6.30	\$15.54	\$10.13	\$1.69	\$33.66	\$50.39	\$16.73	15
6041	521	2241	-	186	2091	6.63	13.69	9.00	3.57	32.89	49.60	16.71	-
6192	859	1511	4353	358	1246	10.46	16.23	12.21	1.67	42.59	58.78	16.19	67
6042	331	2029	-	1074	525	4.16	6.66	26.01	2.51	39.56	52.57	15.01	-
6262	304	2254	14332	1621	1142	4.50	32.49	33.98	3.39	74.44	88.15	17.71	16
6022	474	1872	1022	187	1669	5.71	10.83	7.97	2.96	27.47	40.50	13.03	-
6112	699	1511	3649	550	1312	9.54	16.75	13.99	1.40	43.68	56.26	12.58	14
6031	144	3044	2395	195	2205	1.44	23.93	9.25	2.05	36.67	47.40	10.73	5
6132	201	2342	2190	239	1155	2.63	16.25	7.73	1.42	30.03	40.02	9.99	-
6083	262	1310	1777	290	1382	3.55	10.34	9.51	2.57	25.97	34.87	8.90	-
6032	99	2207	1190	196	1604	1.19	17.70	8.28	2.67	30.04	38.67	8.63	5
6124	156	2065	-	474	3942	1.93	9.10	19.47	.73	31.23	38.66	7.43	-
6071	392	3139	-	254	2104	4.60	14.13	10.41	2.65	31.99	37.40	5.41	28
6231	355	3073	-	346	1990	4.34	19.06	12.01	2.00	37.43	40.46	3.03	-
6122	224	1871	1497	284	2056	2.64	16.11	10.92	5.70	35.37	33.51	-1.86	23
6232	669	1727	-	712	1012	6.49	9.88	17.34	1.17	36.88	31.16	-5.72	-
6115	-	2713	-	2000	116	-	7.36	10.66	2.91	20.93	14.85	-6.08	155
6121	262	5109	-	220	1553	3.37	29.50	6.11	1.99	42.97	36.74	-6.23	-
6001	570	4340	-	1376	540	7.60	21.64	32.34	2.60	64.18	54.06	-10.12	-
Average	431	2000	2032	479	1624	5.16	14.67	13.49	2.39	35.73	55.19	19.46	12

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Factors of Cost in Pork Production - 1929

Farm No.	Lbs. of Feed per 100 Lbs. of Pork						Value of Feed per 100 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			
6192	95	-	-	95	-	569	\$1.10	\$1.42	\$ -	\$2.52	\$5.97	1	10.0
6124	263	120	3	386	1	205	4.60	.54	-	5.14	5.08	10	6.5
6183	324	112	-	436	-	250	5.25	.57	.15	5.97	4.25	10	8.1
6232	217	44	-	261	-	747	3.13	1.87	.17	5.17	4.23	5	5.6
6181	410	62	14	486	4	-	5.94	.16	.17	6.27	3.96	9	6.3
6133	212	166	-	378	-	296	4.51	.74	.20	5.45	3.94	5	4.6
6085	395	39	31	465	-	487	5.65	1.22	.15	7.02	3.70	2	8.0
6111	283	179	2	464	-	204	5.39	.54	.16	6.09	3.38	10	8.7
6185	327	97	10	434	2	160	5.16	.48	.36	6.00	3.34	10	6.3
6194	391	63	2	456	-	430	5.52	1.07	.16	6.75	3.15	7	6.4
6082	215	372	2	589	4	317	7.02	.97	.14	8.17	2.99	9	9.2
6021	391	58	-	449	2	459	5.42	1.21	.17	6.80	2.95	9	5.3
6022	402	96	-	498	-	429	5.81	1.07	.22	7.10	2.94	14	4.6
6061	400	15	-	415	-	616	4.87	1.54	.27	6.68	2.93	11	5.9
6191	384	115	41	540	3	293	6.43	.87	.16	7.46	2.89	17	6.2
6113	340	126	8	474	7	232	5.68	.85	.15	6.68	2.89	7	7.9
6031	455	-	-	455	1	459	5.48	1.18	.33	6.98	2.83	13	3.9
6083	391	103	3	497	-	124	6.88	.31	.30	7.49	2.65	10	8.4
6184	205	198	13	416	-	761	4.96	1.90	.28	7.14	2.58	10	6.6
Average	390	132	4	526	1	387	6.26	1.03	.23	7.52	2.32	9	6.5

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Factors of Cost in Pork Production - 1929 (Cont'd.)

Farm No.	Lbs. of Feed per 100 Lbs. of Pork					Value of Feed per 100 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
6071	443	117	-	560	-	242	\$6.67	\$.60	\$.33	\$7.60	\$2.48	12	5.5
6042	351	223	-	574	-	222	6.69	.55	.20	7.44	2.44	12	4.8
6112	161	343	-	504	-	177	6.16	.44	.21	6.81	2.43	6	7.7
6132	322	244	-	566	1	220	6.59	.60	.17	7.36	2.30	16	6.6
6032	413	155	-	568	-	565	6.67	1.41	.27	8.35	2.28	9	6.0
6101	499	100	-	599	-	304	7.34	.76	.20	8.30	2.14	13	6.9
6041	462	187	2	651	1	47	7.74	.14	.28	8.16	2.09	9	6.4
6081	532	47	7	586	-	138	7.09	.36	.22	7.67	1.97	14	7.2
6261	448	62	5	515	2	320	6.11	.88	.24	7.23	1.97	12	6.8
6023	362	122	-	484	-	373	4.37	2.32	.22	6.91	1.95	9	5.1
6262	295	234	2	531	-	894	6.20	2.24	.31	8.75	1.55	10	7.5
6115	507	102	2	611	-	398	7.60	.99	.31	8.90	.90	4	7.5
6123	485	108	-	593	-	509	7.02	1.27	.31	8.60	.67	5	4.0
6122	499	115	-	614	-	476	7.31	1.18	.44	8.93	.56	10	4.3
6052	582	94	2	678	-	112	8.27	.28	.43	8.98	.62	7	4.7
6182	568	96	-	664	-	732	8.12	1.83	.20	10.15	.36	6	7.0
6231	329	306	-	635	-	632	7.53	1.59	.26	9.38	-.55	7	8.1
6121	435	291	-	726	-	528	8.18	1.32	.33	9.83	-.65	8	6.8
6131	1021	94	-	1115	-	778	13.43	1.95	.44	15.82	-4.16	8	5.4
Average	390	132	4	526	1	387	6.26	1.03	.23	7.52	2.32	9	6.5

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Feed Costs and Returns for Poultry - 1929

Farm No.	Total feed (lbs.) per 100 Fens		Cost of feed per 100 Fens			Value per 100 Fens			Returns above feed cost per 100 Fens	Eggs laid per Hen
	Concen.	Skim- milk	Concen.	Skim- milk	Total	Eggs	Poultry	Total		
6192	10895	4440	\$171.25	\$11.10	\$182.55	\$447.93	\$207.42	\$655.35	\$472.80	164
6191	11671	5990	179.56	14.97	194.53	520.68	117.17	637.85	443.32	192
6131	17518	3295	160.91	8.25	169.16	149.89	418.49	568.38	399.22	69
6231	8568	3838	122.00	9.59	131.59	198.87	311.43	510.30	378.71	90
6041	12075	2353	197.40	5.89	203.29	237.80	320.51	558.31	355.02	96
6031	5865	-	68.47	-	68.47	212.62	192.51	405.13	375.66	103
6181	9040	1897	233.92	4.74	238.66	188.54	372.24	560.78	322.12	83
6261	17726	7317	303.00	18.28	321.28	388.96	234.66	623.62	302.34	158
6183	14903	7425	210.11	18.56	228.67	232.18	253.90	486.08	257.41	76
6121	17615	1488	202.93	3.73	206.66	308.78	153.84	462.62	255.96	135
6132	8135	-	133.11	-	133.11	288.33	100.05	388.39	255.28	118
6052	9205	7845	131.98	19.62	151.60	140.89	263.82	404.71	257.11	70
6111	7320	-	119.55	-	119.55	108.93	263.55	372.48	252.93	44
6101	9852	1638	135.65	4.10	140.75	181.57	204.62	386.19	245.44	80
6194	9659	197	192.84	.44	193.28	275.07	181.89	456.96	243.68	96
6023	6055	7595	109.60	10.99	120.59	323.38	22.34	345.72	237.13	153
6022	10323	6064	116.13	15.22	131.35	175.45	190.88	366.13	234.75	68
6182	9602	4070	137.41	10.17	147.58	292.54	84.98	377.32	229.74	106
6085	11713	3590	207.01	8.98	215.99	291.94	134.72	426.66	210.67	123
Average	10858	3510	157.66	8.83	166.49	226.78	149.00	375.78	209.29	95

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Feed Costs and Returns for Poultry - 1929 (cont'd)

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		
6082	9600	1075	\$125.75	\$ 2.70	\$128.45	\$212.40	\$122.25	\$374.65	\$206.20	94
6042	7810	2471	98.09	6.18	104.27	198.31	108.74	307.05	202.78	90
6061	12417	5746	153.98	14.36	168.34	222.30	146.70	369.00	200.66	98
6113	14130	2212	236.79	5.54	242.33	157.30	279.63	436.93	194.50	70
6184	5617	13915	115.88	34.78	150.66	286.12	49.17	335.29	184.63	101
6081	9186	2922	138.46	7.30	145.76	234.29	92.44	326.73	180.97	103
6185	8083	571	106.89	1.43	108.32	207.22	80.96	288.18	179.86	99
6021	14949	-	196.10	-	196.10	248.60	113.33	361.93	165.83	107
6071	13513	5529	163.03	13.82	176.85	188.15	126.81	314.96	138.11	84
6122	2803	1274	45.99	3.20	49.19	149.04	20.05	169.09	119.90	69
6115	19590	344	250.10	.86	250.96	144.29	224.66	368.95	117.99	72
6083	6508	315	96.55	.79	97.34	191.67	1.21	192.88	95.54	71
6032	7866	1780	92.99	4.48	97.47	82.27	78.66	160.93	67.46	36
6262	10796	7338	176.90	18.35	195.25	307.26	-57.79	249.47	54.22	119
6232	8422	1395	124.72	3.49	128.21	107.80	74.51	182.31	54.10	51
6133	18906	5779	263.62	16.49	280.11	201.59	120.27	321.86	41.35	92
6123	13292	6284	166.30	15.73	182.03	151.99	70.08	222.07	40.04	71
6124	13119	4586	191.53	11.47	203.00	207.88	10.82	218.70	15.70	93
6112	7971	748	112.09	1.87	113.96	133.69	-10.15	123.54	9.58	63
Average	10856	3510	157.66	8.83	166.49	226.78	149.00	375.78	209.29	95

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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	Stem hay & alfalfa	Wild hay & fodder	Grain	Rough.	Pasture	Total	With tractor	Without tractor
6052	9.5	1618	-	1641	\$20.18	\$ 7.15	\$5.60	\$32.93	-	12
6113	16.1	1517	-	2306	19.48	8.60	5.50	33.58	17	-
6181	29.8	1508	2086	-	19.10	11.48	5.21	35.79	19	-
6061	-	1355	-	4000	16.68	18.00	1.91	36.59	17	-
6231	-	1645	-	3781	20.17	15.69	1.78	37.64	-	13
6087	-	1867	2333	-	22.92	12.83	2.08	37.83	20	-
6112	5.9	1544	235	2941	21.01	17.35	3.53	37.89	13	-
6192	-	1120	1000	4707	13.83	25.10	1.98	40.91	14	-
6184	-	1022	1984	4166	12.56	27.53	2.09	42.18	20	-
6232	5.1	2128	633	3165	25.97	15.51	2.61	44.09	20	-
6021	-	1708	500	3750	20.68	17.50	6.65	44.83	-	16
6261	-	1909	-	4792	23.66	16.93	4.39	44.98	26	-
6132	-	2500	-	3934	29.18	15.39	1.31	45.88	-	17
6133	-	1990	-	5200	24.02	20.40	1.63	46.05	-	18
6022	-	2501	-	3263	30.85	12.59	3.79	47.23	27	-
6121	7.6	1828	399	4591	22.97	20.86	4.18	48.01	21	-
6194	20.0	2396	-	3800	29.80	14.40	4.04	48.24	-	21
6115	4.9	1882	941	4471	23.95	21.76	3.33	49.04	-	15
6123	-	1948	2250	2416	24.89	22.04	2.29	49.22	-	21
Average	5.3	2542	904	3689	31.36	18.85	2.95	53.16	24	18

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Feed Cost for Horses - 1929 - (Cont'd.)

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
6101	5.3	2474	-	4767	\$30.07	\$15.74	\$3.66	\$49.47	-	22
6071	11.1	2551	1778	2222	30.66	19.33	-	50.01	37	-
6081	8.2	2684	3618	822	32.76	15.21	3.09	51.06	-	14
6185	-	2492	2457	2268	30.87	20.32	1.72	53.01	23	-
6122	7.7	2323	2154	2154	29.28	20.36	3.98	53.62	16	-
6191	-	2663	-	5714	34.30	18.14	1.88	54.32	20	-
6042	-	3696	700	2000	45.64	9.60	1.65	56.89	-	13
6082	-	3512	667	3833	41.13	18.83	2.71	62.67	-	13
6085	-	3168	-	5329	40.17	18.65	3.96	62.78	16	-
6041	10.8	3549	2592	2851	42.72	23.15	1.11	66.96	-	32
6182	-	3410	-	6430	41.23	25.55	1.57	68.35	-	21
6032	9.5	3698	905	4072	44.48	20.81	3.21	68.50	-	18
6027	-	3792	400	4400	45.68	20.00	3.33	69.01	31	-
6183	18.3	2499	907	8390	32.02	36.05	1.78	69.85	33	-
6262	-	4234	-	5369	52.32	19.13	1.05	72.50	32	-
6111	-	4399	495	3713	53.82	16.58	2.27	72.67	-	19
6031	18.9	3440	3025	2647	41.46	27.22	4.03	72.73	34	-
6131	12.8	4557	2299	255	55.81	14.94	4.19	74.94	24	-
6124	-	3440	-	10000	45.30	39.50	2.99	87.79	49	-
Average	5.3	2542	904	3689	31.36	18.85	2.95	53.16	24	18

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