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**SUMMARY REPORT
SOUTHWESTERN MINNESOTA
FARM MANAGEMENT SERVICE
1940-1951**

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UNIVERSITY OF MINNESOTA

Institute of Agriculture

and

UNITED STATES DEPARTMENT OF AGRICULTURE

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SUMMARY REPORT

SOUTHWESTERN MINNESOTA FARM MANAGEMENT SERVICE

1940 - 1951

Prepared by G. A. Pond and T. R. Nodland

INTRODUCTION

The Southwestern Minnesota Farm Management Service is a cooperative farm management service operated by the Institute of Agriculture of the University of Minnesota and the Southwestern Minnesota Farm Management Association. It has been in operation since January 1, 1940. The annual membership of this Association has varied from 122 to 166 farm operators. The distribution of these members by counties is shown in table 1. Each of these cooperators keeps a set of farm records as a basis for studying and improving his farm business. The records are checked, summarized, and analysed by the Department of Agricultural Economics of the Institute of Agriculture. The field work is under the general direction of a fieldman who lives in the area covered by the Association and who is also a member of the Agricultural Extension Service of the Institute of Agriculture.^{1/} This service is supported cooperatively by fees paid by members of the Association and funds supplied by the Institute of Agriculture.

Each year an annual report covering a summary of the findings for the previous year has been published. In order to bring together in one report the material in these 12 annual reports and make it available in condensed form this report has been prepared for the use of farmers, teachers, research workers, and anyone who is interested in facts about the costs and incomes of farmers in southwestern Minnesota.

The farms included in this study are approximately one-third larger in size than the average farm in this section of the state. They are also somewhat more productive. The operators in general are men of more than average managerial ability. However these farms are reasonably representative of the types prevailing in southwestern Minnesota and the data presented here give a very fair picture of trends in farming costs and income over this 12 year period.

Value of Capital Used per Farm

The average value of capital used per farm is shown in table 13. Some of the farms included in this study were owned by the men who operate them, some were rented, and some were partly owned and partly rented. The total value of all capital used per farm is shown in this table. In some cases the operator has a full equity in this property and in others he may rent the land or own only a partial equity in the personal property. This property was listed at its current market value at the time the operator first started to keep records. In subsequent years it was depreciated from this base in case of breeding or work stock, machinery, buildings, and other improvements. Since the price level was rising during much of the time covered by this study the values shown are below the current market value, especially in the later years. Feeds

^{1/} The following have served as fieldmen, R. L. Huntsinger, Jan. 1940 to April 1943; J. R. Burkholder, May 1943 to Sept. 1948; D. S. Johnson, Oct. 1948 to March 1952; and H. G. Routhe, Aug. 1952 to date.

and supplies and market livestock on the other hand were valued on the basis of current market price. This discrepancy between inventory and market values is particularly marked in case of land and buildings.

Some of the farmers included in this study kept a record each year of all of their assets and liabilities, both farm and personal. For these it was possible to compute net worth statements. These are shown for owner-operators, part owners, and renters in tables 14, 15, and 16. Because of the method of depreciation and inventory valuation mentioned in the previous paragraph the net worth figures are somewhat below current market values.

Table 1. Number of Farm Records by Counties and by Years

County	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	Total
Brown	12	9	7	3	2	1	0	0	0	0	0	0	34
Cottonwood	14	10	9	8	10	12	9	7	6	6	4	4	99
Faribault	21	19	17	19	17	17	16	17	14	17	16	15	205
Jackson	20	17	14	20	19	17	17	17	19	19	22	15	216
Lincoln	9	8	7	4	1	1	1	1	1	1	1	1	36
Lyon	12	12	10	4	1	0	0	0	0	0	0	0	39
Martin	14	12	11	16	12	11	7	8	8	6	7	6	118
Murray	14	11	12	12	15	15	15	13	15	12	20	15	169
Nobles	19	19	28	29	37	33	34	39	39	38	42	41	398
Pipestone	0	7	7	3	1	1	1	1	1	0	1	1	24
Redwood	19	24	25	23	24	24	24	20	22	22	17	18	262
Rock	0	8	8	9	11	9	9	9	9	6	7	4	89
Watsonwan	11	10	10	14	13	12	9	5	2	4	2	2	94
Total	165	166	165	164	163	153	142	137	136	131	139	122	1783

Farmers' Earnings

The average earnings per farm by years are shown in table 18 and 19. These have all been computed on a "full owner" basis. The sales and purchases for the whole farm are shown whether it was operated by an owner or a renter. The interest charge used is based on the value of all capital used whether owned by the operator or not. This places all farms on a uniform basis for comparison. The measure of earnings used is "operator's labor earnings". This is the return to the operator for his labor and management after all expenses have been paid including wages for members of the family, other than the operator, and a 5 per cent charge for the average value of capital used in the farm business. Adjustments have been made for changes in inventory values of farm property during the year. In table 18 (cash statement) the cash sales and cash purchases have been shown just as they occurred and the net increase in inventory values is shown in one item as income or in case of a decrease as expense. In table 19 (enterprise statement) the inventory differences are added to or subtracted from the cash receipts and expenses so as to give a better picture of returns or expense by items and enterprises.

In addition to the earning statements on a "whole farm" basis as shown in tables 18 and 19, earnings statements for owner-operators, part owners, and renters are shown separately in tables 20, 21, and 22. In these any interest or rent paid is listed as a farm expense listing and the interest charge on owned property is shown as a separate item. In addition to the "operators labor earnings" shown in the previous tables an additional measure of returns, "return to capital and family labor" is also included. This is the net return to the farm family for the use of their labor, capital, and management.

In each of the earnings statements is an item of "family living from the farm". A listing of the items included in this are shown in table 23. The expenses in the earnings statements in tables 18, 19, 20, 21, and 22 include only items chargeable to the farm business. In table 23 is shown the personal and household expenses for those farm families who kept complete household and personal expense records.

Factors Affecting Earnings

Farmers earnings varied widely from year to year (table 18). Part of this range was due to variations in crop yields from year to year as shown in table 24. Variations in prices received for products sold was an even more important factor in this variation in earnings (table 2). The extreme variation in average among years earnings was from \$2,098 in 1940 to \$11,391 in 1947. However if average annual earnings are adjusted to the same price level (1935-39) the average annual operators earnings vary only from \$1,657 to \$6,056 as shown below:

1940	\$2,154	1944	\$2,182	1948	\$3,398
1941	3,885	1945	3,200	1949	1,657
1942	5,072	1946	5,503	1950	3,441
1943	3,945	1947	6,056	1951	2,198

The range in earnings between farms in any given year is much greater than the range in average earnings from year to year (table 3). Some of the factors causing this wide range in earnings are suggested in table 4. These may be classed under the general headings of size of business, rates of production, organization or selection of enterprises, and efficiency in production. The average level of these factors each year are shown in table 25. Crop index and index of return over feed from livestock are not shown in this table since the average is the same for each year - 100.

"Work units" are a measure of size based on the acres of a given crop or the number or production of a given class of livestock that could be raised or produced by one man in 10 hours working at average efficiency. The numbers of livestock or amounts of livestock production and the acres of each crop constituting a work unit are shown in table 5. Because of changes in production techniques it was necessary to make some changes from time to time in the acres of crops, numbers of animals, or quantities of production that make up a work unit.

"Crop yield index" is a percentage figure showing the relation of the yields of all crops on a given farm to the average yield of all crops on all farms included in the study that year.

Table 2. Price Received for Principal Products Sold

	B.F.* lb.	Fat* Cattle 100 lb.	Hogs* 100 lb.	Wool* lb.	Eggs* doz.	Corn** bu.	Flax** bu.	Soy- beans** bu.
1940	\$.31	\$ 8.81	\$ 5.15	\$.29	\$.15	\$.53	\$ 1.41	\$.98
1941	.37	10.13	9.07	.38	.21	.63	1.73	1.45
1942	.42	12.22	13.13	.34	.28	.79	2.40	1.49
1943	.53	13.68	13.80	.41	.35	.99	2.85	1.80
1944	.58	13.83	13.12	.41	.31	.90	2.90	2.02
1945	.62	14.95	14.27	.41	.35	1.08	2.91	2.06
1946	.76	16.54	17.17	.42	.34	1.40	3.95	2.59
1947	.76	23.45	24.66	.43	.38	2.08	6.12	3.34
1948	.86	29.12	23.29	.37	.40	1.25	5.75	2.35
1949	.66	24.50	18.29	.42	.39	1.16	3.65	2.22
1950	.66	27.24	17.93	.55	.30	1.43	3.41	2.48
1951	.75	33.73	19.61	1.00	.40	1.50	3.55	2.70

* Price received on farms keeping records.

** State average seasonal price.

Table 3. Range in Operator's Labor Earnings, 1940 - 1951

Year	Ave. of 1/5 high in earnings	Ave. of all farms	Ave. of 1/5 low in earnings	Range
1940	\$ 4,323	\$ 2,098	\$ 344	\$ 3,979
1941	8,488	4,215	1,381	7,107
1942	12,275	6,188	2,443	9,832
1943	10,858	5,049	1,525	9,333
1944	6,633	2,810	-53	6,686
1945	8,980	4,202	1,021	7,959
1946	15,285	8,255	3,599	11,686
1947	21,788	11,391	4,575	17,213
1948	14,914	6,938	1,838	13,076
1949	8,199	3,173	-732	8,931
1950	14,482	6,882	1,696	12,786
1951	11,614	4,916	51	11,563
Average	11,847	5,510	1,474	10,373

In computing the "percentage of land in high return crops" all crops were classified as A, B, C, or D crops according to their contribution to the earnings of the farm with A representing the highest and D lowest. The acreage of A crops plus 1/2 of the acreage of B crops plus 1/4 of the acreage of C crops was added together and expressed as a percentage of the tillable acreage of the farm. The rating of the crops for purposes of computing this measure are shown in table 6.

Changes in the ratings of individual crops were made from time to time as yields, prices, and costs changed.

Table 4. Factors Affecting Farmers Earnings, 1940 - 1951

Factors	Level of Earnings		
	Low 1/5	Average	High 1/5
Size of business - work units	432	540	757
Production - crop yield index	91	100	108
Organization - per cent land in high return crops	48.7	50.2	51.6
- animal units per 100 acres	20.6	22.6	25.8
Efficiency - Index of return over from livestock	90	100	109
- Work units per worker	251	282	317
- Power, machinery, and building expense per work unit	\$5.86	\$5.17	\$4.78

Table 5. Number of Work Units per Unit of Livestock and Crops

Item	Unit	Number of work units				
		1940-42	1943	1944-46	1947-50	1951
Milk cows	1 cow	13.5	13.5	13.5	14.0	14.0
Other dairy cattle	1	4.0	4.0	4.0	4.0	4.0
Beef breeding herd	animal	4.0	4.0	4.0	4.0	5.0
Sheep-farm flock	unit	1.6	1.6	1.6	1.8	1.8
Hens	100 hens	26.0	26.0	26.0	22.0	22.0
Feeder cattle	100 # produced	.35	.35	.35	.35	.35
Feeder sheep		.4	.4	.4	.4	.4
Hogs		.25	.25	.25	.3	.3
Turkeys		.7	.7	.7	.7	.7
Canning peas		1 acre	2.0	2.0	2.0	2.0
Small grain	1 acre	.7	.7	.7	.7	.7
Soybeans for grain	1 acre	.9	.9	.9	.7	.7
Sweet corn	1 acre	2.5	2.3	2.3	2.3	2.3
Corn, husked	1 acre	1.3	1.1	1.0	1.1	1.1
Corn, hogged	1 acre	.8	.6	.6	.7	.7
Corn, shredded	1 acre	2.5	2.1	2.1	2.2	2.2
Corn, silage	1 acre	1.9	1.7	1.7	1.7	1.7
Corn, fodder	1 acre	1.3	.9	.9	1.0	1.0
Alfalfa hay	1 acre	1.0	1.0	1.0	.9	.9
Soybean hay	1 acre	1.4	1.4	1.4	1.4	1.4
Other hay crops	1 acre	.6	.6	.6	.6	.6

An "animal unit" ^{1/} is the number of other livestock or amount of livestock production equivalent to one mature cow in feed consumption. These

^{1/} The basis for computing animal units was revised in 1951 but for the sake of comparability the 1951 units were recomputed for this study to the basis used the first 11 years.

equivalents as used in this study were:

2 head young cattle	10 pigs	14 lambs
5 sows or fat hogs	7 sheep	100 hens

In computing the "animal units per 100 acres" the entire acreage in the farm except land in farmstead, roads, waste and timber is used as the divisor.

Table 6. Rating of Crops Used in Computing Percentage of Tillable Land in High Return Crops

Crop	Ratings					
	1940-41	1942-43	1944	1945-46	1947-49	1950-51
Canning peas	A	A	A	A	A	A
Flax	B	B	C	C	C	C
Barley	C	C	D	D	D	D
Winter wheat	C]—	D	D	D	D
Spring wheat	D		D	D	D	D
Oats	D	D	D	D	C	D
Rye	D	D	D	D	D	D
Truck crops, hybrid seed etc.	A	A	A	A	A	A
Sweet corn	B	B	B	B	B	B
Corn, grain	B	B	A	A	A	A
Corn, silage	C	C	B	B	B	B
Corn, fodder	D	D	D	D	D	D
Soybeans for grain	D	D	D	C	B	B
Alfalfa hay	A	A	A	A	A	A
Sweet clover hay	B	B	—	—	—	—
Soybean hay	C	C	C	C	C	C
Mixed legumes and grasses	C	C	C	C	C	C
Legumes for seed	C	C	C	C	C	C
Timothy or brome hay	D	D	D	D	D	D
Other annual hay	D	D	D	D	D	D
Alfalfa pasture	A	A	A	A	A	A
Sweet clover pasture	B	B	B	B]—	C
Mix. of legumes and grasses	C	C	C	C		C
Sudan and rape pasture	C	C	C	C	C	C
Other tillable pasture	D	D	D	D	D	D
Tillable land not cropped	D	D	D	D	D	D

The "index of return over feed from livestock" is computed by dividing the return per \$100 of feed used by each class of livestock on a particular farm by the average return per \$100 of feed used by that class of livestock on all farms included in the study. The resulting percentage figures are then weighted by the number of animal units of the corresponding classes of livestock to obtain a composite index for the farm.

Work units per worker is obtained by dividing the total work units on the farm as described previously by the average number of workers on that farm on a 12 month basis.

The power, machinery, and building expense per work unit is obtained by dividing the expense including depreciation for these items by the number of work units on the farm.

Land Use

The average acreage per farm of each crop is shown for each year in table 26. The use of land not in crops is also shown in this table.

Livestock Production

The average number of animal units per farm is shown in table 27. The average numbers of each class of livestock per farm or the average production of a class of livestock per farm is shown in this table.

Feed Costs and Returns from Livestock

The average feed cost and returns for all classes of productive livestock of these farms is shown in tables 28 through 40 for each of the years 1940 to 1951. Home grown feeds have been charged to livestock at the prices shown in table 7. Purchased feeds have been charged at cost and hence there is some deviation from this average because of the time or place of purchase and there is also some variation in the price of home raised feeds because of variation in quality. These tables show the quantities of feed as well as the cost. They also indicate the production for the different classes of livestock, rates of increase, death loss and other factors affecting cost and returns.

Farm Record Data Show Wide Range in Cost and Income Among Farms

The data in tables 28 through 40 show only the averages for the farms reporting a particular class of livestock. There was a wide range among farms each year in production, feed costs and returns over feed. The range for production of butterfat per dairy cow is shown in table 8 and for eggs per hen in table 9. The range in return over feed cost for beef cattle is shown in table 10 and for hogs in table 11. The wide range among farms in any given year in production per head of livestock or in return over feed suggest a considerable opportunity for increased efficiency in livestock production.

Cost of Horse and Mechanical Power

The amount and cost of feed for work horses is shown in table 41. During the 12 years covered by this study horses dropped out of the picture as an important source of farm power. Most of those left are used but little and in some cases are riding horses of little utility for farm purposes. The cost of tractor and horse power per crop acre and the cost of crop and general machinery per crop acre are shown in table 42.

Table 7. Average Price of Feeds, 1940 - 1951

Item	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Corn, grain, bu.	\$.42	\$.50	\$.65	\$.88	\$.90	\$.84	\$1.14	\$1.54	\$1.64	\$1.02	\$1.20	\$1.36
Oats, bu.	.26	.32	.41	.60	.70	.64	.70	.90	.88	.59	.72	.81
Barley, bu.	.31	.39	.52	.77	.92	.94	1.22	1.80	1.59	.99	1.20	1.23
Bran, cwt.	1.22	1.50	2.10	2.10	2.20	2.18	2.70	3.20	4.00	2.80	2.80	3.20
Linseed oilmeal, cwt.	1.72	2.02	2.42	2.55	2.85	2.88	3.30	4.25	4.55	4.00	3.95	4.00
Soybean meal, cwt.	1.72	2.10	2.75	2.82	3.15	3.00	3.80	4.80	5.10	4.05	3.95	4.00
Tankage, cwt.	2.50	3.20	4.08	4.00	4.18	4.10	5.10	6.75	6.45	6.25	6.30	6.25
Alfalfa hay, ton	7.50	8.50	8.00	11.00	15.00	15.00	16.00	22.00	20.00	20.00	21.00	19.00
Timothy hay, ton	4.82	5.45	5.15	6.75	9.00	9.00	9.60	12.50	11.60	11.60	12.20	11.00
Wild hay, ton	3.75	4.25	4.00	5.50	7.50	7.50	8.00	11.00	10.00	10.00	10.50	9.50
Corn fodder, ton	3.20	3.62	3.40	4.95	6.75	6.75	7.20	10.00	9.00	9.00	9.45	8.55
Corn silage, ton	2.12	2.55	2.75	3.62	5.00	5.00	5.50	8.00	5.85	6.00	6.70	6.00
Skim milk, cwt.	.15	.18	.22	.26	.26	.26	.30	.40	.40	.34	.37	.40
Pasture, per cow per mo.	1.00	1.00	1.00	1.10	1.10	1.10	1.25	1.40	1.40	1.40	1.40	1.50

Table 8. Range in Butterfat Produced per Dairy Cow

Year	1/5 high in butterfat per cow	Average	1/5 low in butterfat per cow
1940	359	250	153
1941	332	254	163
1942	318	250	188
1943	326	251	177
1944	322	226	138
1945	329	242	153
1946	319	244	166
1947	342	259	178
1948	351	258	144
1949	380	284	186
1950	376	277	169
1951	<u>382</u>	<u>280</u>	<u>169</u>
Average	345	256	165

Table 9. Range in Eggs Laid per Hen, 1940 - 1951

Year	1/5 high	Average	1/5 low	Range
1940	132	113	88	44
1941	148	117	80	68
1942	162	135	105	67
1943	183	146	105	78
1944	183	157	131	52
1945	197	163	120	77
1946	214	174	144	70
1947	208	170	138	70
1948	210	170	131	79
1949	219	177	136	83
1950	225	175	135	90
1951	244	176	142	102

Table 10. Range in Return Above Feed Cost per 100 Pounds of Beef Cattle Produced

Year	1/5 high in return above feed cost	Average	1/5 low in return above feed cost
1940	\$6.72	\$2.92	\$-2.34
1941	7.84	3.99	- .33
1942	9.61	3.64	-5.20
1943	9.39	1.43	-6.31
1944	10.11	3.56	-4.20
1945	12.74	7.38	.89
1946	17.03	8.59	- .14
1947	24.22	9.10	-15.36
1948	26.36	10.49	- .78
1949	22.02	8.78	-5.25
1950	25.41	17.09	8.74
1951	<u>27.87</u>	<u>13.00</u>	<u>-6.14</u>
Average	16.61	7.50	-3.04

Table 11. Range in Return Above Feed Cost per 100 Pounds of Hogs Produced, 1940 - 1951

Year	1/5 high in return above feed cost	Average	1/5 low in returns above feed cost	Range
1940	\$2.68	\$1.23	\$- .90	\$3.58
1941	7.56	5.15	1.99	5.57
1942	9.81	7.61	5.23	4.58
1943	6.61	2.93	-1.63	8.24
1944	6.77	3.31	-1.86	8.63
1945	8.05	5.23	2.01	6.04
1946	11.87	7.68	3.54	8.33
1947	15.40	9.09	2.24	13.16
1948	11.66	5.07	-2.45	14.11
1949	9.74	4.37	-1.93	11.67
1950	11.86	6.85	.64	11.22
1951	10.51	4.85	-1.98	12.49

Farm Records as a Guide to Better Farming

The type of information secured from these records by the members of the Association served as a guide in improving their organization and practices from year to year. However no consistent improvement either in earning or in organization or in efficiency is shown in the tables of yearly averages, largely because of the turnover of farms from year to year. In table 12 is shown data for 18 men who were members of the Association each of the 12 years and who were representative in size of farm, type, and organization of the entire group as compared with data for all farmers included in the study. Figures for the first 2 years and the last 2 years are shown to indicate the changes over the period. The earnings of the farmers with continuous records increased 138 per cent as compared with 88 per cent for all farms. If these earnings figures are both deflated to a 1935 to 1939 basis the farmers with continuous records show an increase in earnings of approximately one-sixth as compared with a small decrease for all farms. The farms with continuous records showed a 12 per cent increase in size of farm as compared with a decrease of 9 per cent for all farms. Crop yields and returns over feed for livestock also showed a substantial increase for the farmers with continuous records relative to the others.

Table 12. Changes in Earnings, Size of Farm, Organization, Production, and Efficiency of 18 Farmers Keeping Records for 12 Years as Compared with All Farmers Included in Study

	1940-41		1950-51	
	All Farms	18 selected farms*	All Farms	18 selected farms*
Operators Labor Earnings	\$3,137	\$3,494	\$5,899	\$8,325
Acres per farm	287	258	261	289
Index of high return crops	36.2	38.6	57.3	59.7
Index of crop yields	100	106	100	128
Returns to Production Livestock	100	96.0	100	107

* Representative farm with continuous record for the 12 years.

Table 13. Average Value of Farm Property per Farm by Years, 1940 - 1951*

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Dairy and dual purpose cows	\$ 587	\$ 667	\$ 665	\$ 659	\$ 595	\$ 594	\$ 602	\$ 573	\$ 623	\$ 607	\$ 744	\$ 783
Other dairy & dual purpose cattle	375	394	383	397	371	365	370	385	360	365	510	614
Beef cattle (including feeders)	1623	2466	2791	2690	2337	2425	2661	2724	3520	3442	4378	6316
Hogs	593	1109	2005	2439	1964	2174	3047	3523	3140	2669	2689	2969
Sheep (including feeders)	384	645	929	745	592	563	544	428	232	253	427	789
Poultry (including turkeys)	145	144	190	267	288	327	275	254	250	287	270	250
Total productive livestock	3707	5425	6963	7197	6147	6448	7499	7887	8125	7623	9018	11721
Horses	369	358	337	336	273	220	161	112	82	55	45	39
Crops, seed and feed	3846	4323	4512	4564	4485	4263	4600	6370	7568	6470	6735	6887
Power machinery	1046	1176	1209	1245	1203	1210	1182	1415	2016	2554	3093	3367
Crop & general machinery	1328	1507	1569	1606	1561	1594	1741	1984	2650	3322	3838	4057
Livestock equipment	385	435	472	536	580	572	557	524	544	488	545	558
Total machinery and equipment	2759	3118	3250	3387	3344	3376	3480	3923	5210	6364	7476	7982
Buildings, fences, etc.	7032	7577	7362	7391	7416	7423	7332	7382	8267	9424	10076	9927
Land	15011	15812	15304	14727	14335	14146	13739	13997	14891	16516	17518	18312
Total farm capital	32724	36613	37728	37602	36000	35876	36811	39671	44143	46452	50868	54868

* The figures given are the averages of the opening and closing inventories each year.

Table 14. Net Worth Statement for Owner-Operators,* 1940 - 1951

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	70	63	53	41	41	45	44	32	30	25	26	21
Total acres per farm	236	241	244	246	236	227	227	221	231	227	240	226
Total farm capital	\$28686	\$31228	\$31869	\$35197	\$32737	\$34060	\$34468	\$37072	\$44874	\$43599	\$45355	\$47918
Accounts receivable	**	**	**	**	609	3	138	789	1461	868	2328	1307
Stocks and bonds	**	**	**	**	1187	2597	2802	3095	3941	3694	3252	5997
Cash surrender value of life ins.	**	**	**	**	586	862	894	839	1235	1357	1543	2344
Real est. other than farm operated	**	**	**	**	184	1992	1962	1861	3256	3004	2095	4773
Other investments	**	**	**	**	86	163	108	136	197	327	442	807
Household and personal assets	**	**	**	**	972	1039	1163	1190	1627	1872	2328	2793
Cash on hand and in bank	**	**	**	**	974	1074	1035	1054	2530	2017	1545	1292
Total assets other than farm cap.	3383	4580	5184	5002	4598	7730	8102	8964	14247	13139	13533	19313
Total assets	32069	35808	37053	40199	37335	41790	42570	46036	59121	56738	58888	67231
Federal Land Bank mortgage				2844	2835	1219	1330	1755	1935	1721	1841	2449
Other mortgages on farm operated	9545	9740	9403	5771	5670	6024	6216	5763	3888	3489	4027	3605
Mortgages on other real estate				313	-	527	1184	-	-	400	346	381
Production Credit Association	165	91	***	107	-	313	1032	840	1334	1335	928	1867
Crop loans (sealed grain)	922	1575	1317	661	75	-	-	-	-	173	1067	1120
Other chattel mortgages	858	855	684	933	354	248	813	334	617	140	181	719
Notes payable	1253	1185	1526	1255	1193	1271	758	1534	788	1469	1285	1674
Accounts payable	468	337	383	285	83	146	135	123	89	90	285	280
Total liabilities	13211	13783	13313	12169	10210	9748	11468	10349	8651	8817	9960	12095
Farmers net worth	18858	22025	23740	28030	27125	32042	31102	35687	50470	47921	48928	55136

* As of January 1 of each year

** Information not available

*** Included with other chattel mortgages

Table 15. Net Worth Statement for Part-Owners,* 1940 - 1951

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	44	43	27	31	35	33	22	18	19	19	11	10
Total acres in farm	356	395	390	344	332	333	313	316	314	323	249	285
Owned	212	250	207	205	207	211	188	210	192	174	108	144
Rented	144	145	183	139	125	122	125	106	123	149	141	141
Total farm capital	\$28797	\$34404	\$38043	\$34582	\$33200	\$32294	\$29868	\$37006	\$36553	\$35255	\$36250	\$45958
Accounts receivable	**	**	**	**	76	164	687	887	50	60	32	96
Stocks and bonds	**	**	**	**	1422	2492	3521	5326	5879	5396	2591	5524
Cash surrender value of life ins.	**	**	**	**	687	780	688	1266	1905	1409	1794	1563
Outside real estate	**	**	**	**	1314	667	750	217	905	1279	682	248
Other outside investments	**	**	**	**	114	121	154	206	133	382	251	414
Household and personal assets	**	**	**	**	1256	1358	1223	1382	1745	1805	2547	2279
Cash on hand and in bank	**	**	**	**	683	695	797	2981	1551	1809	936	788
Assets other than farm cap.	3754	4243	4131	3595	5552	6277	7820	12265	12168	12140	8833	10912
Total assets	32551	38647	42174	38177	38752	38571	37688	49271	48721	47395	45083	56870
Federal Land Bank Mortgage				3251	2446	1980	1451	1260	913	711	1417	985
Other mortgages on farm operated	7762	8498	6463	3288	3476	3749	3174	1772	2308	1778	2761	1974
Mortgages on other real estate				-	316	82	36	44	42	42	-	-
Production Credit Association	33	95	***	679	877	1259	269	68	684	421	-	844
Crop loans	1145	1643	1899	347	-	-	-	-	-	855	1978	1183
Other chattel mortgages	852	1017	4036	1118	639	444	437	111	784	21	530	-
Notes payable	1598	1518	1687	849	1105	2482	1474	1094	1536	2639	2654	4707
Accounts payable	474	502	417	292	121	206	296	221	261	140	278	191
Total liabilities	11864	13273	14502	9824	8980	10202	7137	4570	6528	6607	9618	9884
Farmers net worth	20687	25374	27672	28353	29772	28369	30551	44701	42193	40788	35465	46986

* As of January 1 of each year

** Information not available

*** Included with other chattel mortgages

Table 16. Net Worth Statement for Renters,* 1940 - 1951

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	32	43	44	42	43	33	30	26	24	20	18	22
Total acres operated	239	256	236	240	249	251	249	230	244	249	245	236
Total farm capital	\$7903	\$8296	\$8639	\$11232	\$10701	\$ 9205	\$ 9483	\$10888	\$16252	\$14552	\$16415	\$18415
Accounts receivable	**	**	**	**	90	133	85	111	284	369	549	362
Stocks and bonds	**	**	**	**	1386	1721	1775	1043	2148	1695	2586	2065
Cash surrender value of life ins.	**	**	**	**	424	307	319	245	415	679	532	968
Real estate	**	**	**	**	128	-	18	17	667	150	141	345
Other outside investments	**	**	**	**	79	48	56	110	296	124	233	160
Household and personal assets	**	**	**	**	1007	998	1035	1575	1853	1992	2174	2547
Cash on hand and in bank	**	**	**	**	<u>332</u>	<u>579</u>	<u>600</u>	<u>949</u>	<u>1319</u>	<u>1421</u>	<u>1168</u>	<u>1068</u>
Assets other than farm capital	3668	3245	2647	3166	3446	3786	3888	4050	6982	6430	7383	7515
Total assets	11571	11541	11286	14398	14147	12991	13371	14938	23234	20982	23798	25930
Mortgages on outside real estate	569	474	58	285	-	-	-	-	513	-	-	-
Production Credit Association	63	161	***	500	499	557	583	928	1864	470	459	400
Crop loans	622	804	865	137	17	-	-	-	-	-	59	35
Other chattel mortgages	574	513	663	812	485	254	480	869	608	692	1106	1293
Notes payable	730	782	627	1107	838	1004	1042	785	1038	704	1223	1266
Accounts payable	<u>293</u>	<u>315</u>	<u>334</u>	<u>204</u>	<u>164</u>	<u>207</u>	<u>274</u>	<u>139</u>	<u>207</u>	<u>220</u>	<u>246</u>	<u>362</u>
Total liabilities	2851	3049	2547	3045	2003	2022	2379	2721	4230	2086	3093	3356
Farmers net worth	8720	8492	8739	11353	12144	10969	10992	12217	19004	18896	20705	22574

* As of January 1 of each year

** Information not available

*** Included with other chattel mortgages

Table 17. Summary of Farm Earnings (Cash Statement), 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Farm Sales:												
Dairy and dual-purpose cows	\$110	\$184	\$256	\$196	\$215	\$217	\$273	\$294	\$294	\$268	\$450	\$427
Dairy products	570	758	804	916	865	906	1083	1031	1046	874	885	1015
Other dairy & dual-pur. cattle	155	208	190	223	177	256	242	394	322	304	454	354
Beef cattle (including feeders)	2373	3399	3860	3590	2478	3777	3711	4248	4508	4988	6438	9411
Hogs	1162	2306	4336	5630	4671	4484	6166	8662	8207	6358	6801	7930
Sheep & wool (including feeders)	470	1032	1402	968	768	926	834	766	421	308	810	753
Poultry (including turkeys)	372	396	598	622	829	659	620	444	418	485	590	838
Eggs	244	334	589	905	911	977	993	1043	1108	1052	790	1055
Horses	42	41	47	45	47	27	24	28	25	12	14	6
Corn	516	477	625	724	578	587	814	1183	1498	1606	1542	997
Small grain	849	1133	1120	1382	669	949	1446	2436	3818	1626	1694	1240
Other crops	239	283	366	510	600	673	878	911	1160	772	677	901
Machinery & equipment sold	249	278	133	137	185	251	363	383	355	470	446	644
Agricultural adjustment payments	506	503	503	264	74	51	121	61	65	29	57	72
Income from work off the farm	193	196	163	255	310	295	343	344	306	277	290	398
Miscellaneous	<u>394</u>	<u>176</u>	<u>166</u>	<u>67</u>	<u>70</u>	<u>48</u>	<u>67</u>	<u>83</u>	<u>124</u>	<u>66</u>	<u>112</u>	<u>130</u>
(1) Total farm sales	8444	11704	15158	16434	13447	15083	17978	22311	23675	19495	22050	26171
(2) Increase in farm capital	1179	2618	2102	2	--	314	3223	5634	1542	1260	5214	2561
(3) Family living from the farm	<u>483</u>	<u>538</u>	<u>584</u>	<u>588</u>	<u>572</u>	<u>635</u>	<u>679</u>	<u>667</u>	<u>702</u>	<u>649</u>	<u>669</u>	<u>708</u>
(4) Total farm receipts (1)+(2)+(3)	10106	14860	17844	17024	14019	16032	21880	28612	25919	21404	27933	29440

Table 17. Summary of Farm Earnings (Cash Statement), 1940 - 1951 (Continued)

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Farm Purchases:												
Dairy & dual-purpose cows bought	\$ 33	\$ 80	\$ 75	\$ 60	\$ 63	\$ 65	\$130	\$ 81	\$109	\$109	\$147	\$ 91
Other dairy & dual-purpose												
cattle bought	43	58	66	75	49	53	107	54	61	105	174	161
Beef cattle bought	1243	1766	1718	1187	1109	1390	1754	1916	2341	2733	4120	5581
Hogs bought	103	209	339	408	315	377	382	646	389	441	478	395
Sheep bought	414	686	866	694	321	600	464	301	97	365	543	881
Poultry bought	99	96	138	165	200	195	164	156	133	179	164	246
Horses bought	32	32	49	33	43	15	14	14	11	2	6	5
Miscellaneous livestock expense	72	109	148	199	173	194	198	270	273	304	328	391
Miscellaneous crop expense	243	303	377	507	582	575	750	1055	1112	851	966	995
Feed bought	1007	1718	2235	3080	2164	2416	2669	4014	3926	2929	3807	4973
Custom work hired	150	140	199	215	261	292	300	394	421	375	382	406
Mech. power mach. (farm share, new)	379	446	256	180	337	200	449	847	1173	1116	1164	1063
Mech. power mach. (farm share, upkp.)	411	497	533	147	172	235	308	363	358	290	311	309
Mech. power mach. (gas, oil, etc.)	411	497	533	470	527	582	655	753	919	943	997	1027
Crop & general machinery (new)	319	416	387	221	332	414	601	897	1328	1319	1248	1121
Crop & general machinery (upkp.)	69	84	135	157	174	195	258	290	368	310	292	306
Livestock equipment (new)	74	123	134	138	91	78	97	122	108	88	124	157
Livestock equipment (upkeep)	20	32	57	87	78	94	92	114	131	126	125	142
Buildings & fencing (new)	412	434	327	236	297	370	409	754	941	908	741	1082
Buildings & fencing (upkeep)	88	141	156	168	192	219	268	311	413	384	331	286
Hired labor	392	561	622	730	651	636	723	796	944	872	843	910
Taxes	313	337	355	335	311	311	367	378	459	499	534	565
General farm and insurance	74	87	95	112	121	125	157	173	211	202	224	242
(5) Total farm purchases	5990	8355	9267	9613	8563	9631	11316	14699	16226	15450	18049	21335
(6) Decrease in farm capital	-	-	-	-	412	-	-	-	-	-	-	-
(7) Interest of farm capital	1635	1831	1886	1880	1800	1794	1841	1984	2207	2323	2543	2743
(8) Unpaid family labor	252	288	360	335	316	322	363	422	421	356	360	367
(9) Board furnished hired labor	131	171	143	147	118	83	105	116	127	102	99	79
(10) Total farm expenses												
(5)+(6)+(7)+(8)+(9)	8008	10645	11656	11975	11209	11830	13625	17221	18981	18231	21051	24524
(11) Operator's labor earnings	2098	4215	6188	5049	2810	4202	8255	11391	6938	3173	6882	4916
(10)-(4)												

Table 18. Summary of Farm Earnings (Enterprise Statement) 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
RETURNS AND NET INCREASES:												
Dairy & dual-purpose cows	\$682	\$924	\$1034	\$1076	\$ 987	\$1084	\$1266	\$1263	\$1286	\$ 994	\$1186	\$1242
Other dairy & dual-purpose cattle	294	411	413	332	343	378	431	463	448	406	759	647
Beef breeding herd	268	392	485	526	573	594	812	740	820	735	857	1078
Feeder cattle	1035	1855	1800	1479	1049	1745	1631	2305	2249	1786	3203	4108
Hogs	1176	2946	5005	5181	3963	4892	6789	8864	7386	5274	7091	7761
Sheep - farm flock	108	164	225	135	120	119	168	112	164	138	302	305
Sheep - feeders	71	356	399	229	202	298	327	149	14	28	131	105
Turkeys	233	236	427	296	398	323	230	96	90	271	253	471
Chickens	327	483	824	1217	1179	1315	1317	1317	1415	1225	977	1278
All productive livestock	(4194)	(7767)	(10612)	(10471)	(8814)	(10748)	(12971)	(15309)	(13872)	(10857)	(14759)	(16995)
Crops, seed and feed	939	376	136	-198	-736	-1056	1185	2765	779	246	512	-3375
Agricultural Cons. payments	506	503	503	264	74	51	121	61	65	29	57	72
Income from labor off the farm	193	196	163	137	183	187	183	175	160	152	155	241
Miscellaneous	370	209	178	156	145	133	146	197	230	255	300	322
(1) Total returns & net increases	6202	9051	11592	10830	8480	10063	14606	18507	15106	11539	15783	14255
EXPENSES AND NET DECREASES:												
Horses	144	169	162	211	183	158	128	105	62	27	22	18
Tractor	231	287	338	387	453	521	535	636	808	850	872	885
Truck	67	104	95	100	92	116	111	150	184	199	294	277
Auto (farm share)	137	154	159	192	216	230	305	328	386	362	391	421
Elect. & gas engine (farm share)	34	40	42	57	59	66	74	79	100	113	122	148
Hired power	61	69	88	97	104	124	115	168	143	142	140	149
Total power	(674)	(823)	(884)	(1044)	(1107)	(1215)	(1268)	(1466)	(1683)	(1693)	(1841)	(1898)
Crop and general machinery	223	256	347	374	414	456	525	637	782	896	980	995
Livestock equipment	67	83	120	147	156	177	185	204	216	210	234	260
Buildings, fencing & tiling	240	266	404	416	436	481	532	597	722	791	791	770
Misc. productive livestock exp.	70	105	141	194	171	193	198	269	272	303	328	392
Labor	807	1048	1172	1279	1154	1109	1278	1408	1616	1449	1426	1474
Real estate taxes	269	275	287	279	252	259	298	311	362	398	426	439
Personal property taxes	44	62	68	56	59	52	69	67	97	101	108	126
Insurance	15	32	35	40	41	41	49	61	71	56	78	77
General farm expenses	59	55	60	72	80	84	108	112	140	146	146	165
Interest on farm capital	1636	1831	1886	1880	1800	1794	1841	1984	2207	2323	2543	2743
(2) Total expenses & net dec.	4104	4836	5404	5781	5670	5861	6351	7116	8168	8366	8901	9339
(3) Oper. labor earnings (1)-(2)	2098	4215	6188	5049	2810	4202	8255	11391	6938	3173	6882	4916

Table 19. Summary of Farm Earnings for Owner-Operators, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	70	63	53	41	41	45	44	32	30	25	18	21
FARM SALES:												
Dairy & dual-purpose cows	\$101	\$133	\$249	\$134	\$144	\$163	\$311	\$366	\$380	\$331	\$353	\$345
Dairy products	508	633	832	975	978	1008	1001	1227	1440	1288	1029	1135
Other dairy & dual-purpose	235	136	239	231	195	199	149	333	1091	290	385	397
Beef cattle (inc. feeders)	2088	2937	2444	3469	2129	3632	3999	3760	5230	5280	8428	7451
Hogs	1026	2202	3969	5447	4406	4876	6810	11255	9604	7841	7983	10034
Sheep & wool (inc. feeders)	526	352	540	508	458	857	914	987	221	198	240	162
Poultry (inc. turkeys)	239	291	371	394	634	617	394	488	788	872	586	1017
Eggs	292	364	595	870	881	1199	1242	1140	1115	1104	908	1104
Horses	35	36	42	19	37	19	23	27	125	10	7	5
Corn	365	402	762	971	303	358	371	793	1498	1497	948	1020
Small grain	589	770	820	1067	411	499	1120	2023	3697	1546	1530	993
Other crops	260	336	311	363	450	643	523	980	1099	1231	682	725
Machinery & equipment sold	189	260	93	108	111	250	304	429	477	385	445	612
Agricultural adjustment payments	418	448	420	309	83	47	118	78	81	27	78	77
Income from work off farm	216	210	150	348	340	213	386	381	265	234	322	203
Miscellaneous	335	175	152	45	101	36	72	160	325	79	171	246
(7) Total farm sales	7422	9685	11989	15258	11661	14616	17737	24427	27436	22213	24095	25526
(8) Net increase in farm capital	1231	2162	2445	-	-	-	3387	6701	1306	-	5364	1949
(9) Family living from farm	472	531	599	628	552	621	653	698	832	738	729	741
(10) Total farm receipts (7)+(8)+(9)	9125	12378	15033	15886	12213	15237	21777	31826	29574	22951	30188	28216

Table 19. Summary of Farm Earnings for Owner-Operators, 1940 - 1951 (Continued)

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
FARM PURCHASES:												
Dairy & dual-purpose cows	\$ 34	\$ 30	\$ 85	\$ 16	\$ 58	\$ 58	\$ 81	\$127	\$ 61	\$ 38	\$ 47	\$ 52
Other dairy & dual-purpose cattle	39	49	78	55	44	26	116	54	56	39	60	29
Beef cattle bought (inc. feeders)	1099	1427	1292	871	733	1489	1796	2561	2986	2637	4607	4355
Hogs bought	101	234	265	444	278	302	389	957	475	597	385	508
Sheep bought (inc. feeders)	333	211	273	416	194	238	538	73	36	78	14	166
Poultry bought (inc. turkeys)	79	79	102	148	180	166	153	174	174	213	194	193
Horses bought	29	25	25	4	24	17	3	8	16	3	3	6
Misc. livestock expense	65	109	132	203	191	216	239	355	407	420	424	479
Misc. crop expense	206	248	289	417	580	493	650	1078	1181	968	891	866
Feed bought	806	1246	1616	2462	1896	2653	3201	5261	5053	3474	4530	5273
Custom work hired	148	140	172	229	191	288	286	420	503	419	371	402
Mech. power machinery, new	274	418	234	129	267	150	400	814	1373	1125	1423	1264
Mech. power machinery, upkeep	360	441	473	140	171	230	276	435	359	308	340	276
Mech. power (gas, oil, etc.)				459	508	549	597	800	904	884	949	973
Crop & general machinery, new	276	355	361	176	258	344	456	1020	1448	1152	1015	1049
Crop & general machinery, upkeep	57	68	112	128	152	171	218	327	340	252	267	231
Livestock equipment, new	83	121	127	152	72	56	85	103	158	29	79	127
Livestock equipment, upkeep	17	30	40	73	77	107	91	123	146	159	100	160
Buildings & fencing, new	534	650	397	307	254	394	615	1621	1813	1979	1666	1548
Buildings & fencing, upkeep	77	136	201	249	188	266	375	450	641	577	498	369
Hired labor	385	528	585	654	698	791	791	1014	1242	1110	1031	1026
Taxes	256	268	280	291	263	280	342	362	474	488	542	548
General farm & insurance	76	89	95	120	114	138	170	206	261	240	264	278
Interest paid	496	467	477	511	406	407	400	397	331	326	390	553
(1) Total farm purchases	5830	7369	7711	8654	7797	9829	12268	18740	20438	17515	20090	20731
(2) Net decrease in farm capital	269	77	125	973	442	218	-	-	-	63	-	-
(3) Board furnished hired labor	109	149	127	147	127	96	131	192	152	116	145	67
(4) Interest on farm capital	963	1146	1175	1229	1220	1291	1408	1624	1945	1852	2012	1892
(5) Unpaid family labor	245	200	319	312	207	251	335	330	317	388	332	371
(6) Total farm exp. (sum of 1-5)	7416	8941	9457	11315	9793	11685	14142	20886	22852	19934	22579	23061
(11) Oper. lab. earnings (10-6)	1709	3437	5576	4571	2420	3552	7635	10940	6722	3017	7609	5155
(12) Return to capital & family labor (4)+(5)+(11)	2917	4783	7070	6112	3847	5094	9378	12894	8984	5257	9953	7418

Table 20. Summary of Farm Earnings for Part-Owners, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	44	43	27	31	35	33	22	18	19	19	11	10
FARM SALES:												
Dairy & dual-purpose cows	\$119	\$152	\$264	\$327	\$184	\$192	\$177	\$179	\$267	\$ 94	\$451	\$545
Dairy products	634	720	662	864	798	828	856	590	332	517	1178	1252
Other dairy & dual-purpose	104	182	140	281	147	378	157	439	95	231	968	686
Beef cattle (incl. feeders)	3144	4511	7751	3184	3143	5400	4699	7255	6064	4867	1282	8264
Hogs	1274	2632	6704	6788	5448	4561	7111	7993	8496	6238	6798	9241
Sheep & wool (incl. feeders)	573	1289	3206	577	656	740	526	1712	561	266	1136	1370
Poultry (incl. turkeys)	559	646	162	698	879	912	1168	765	223	197	158	240
Eggs	225	378	720	996	1007	948	698	972	817	985	768	1044
Horses	55	46	35	52	17	29	16	4	34	10	23	5
Corn	493	403	288	613	490	475	922	797	1633	902	1365	1364
Small grain	944	1524	1401	1800	782	1122	1761	3857	4403	1656	1205	942
Other crops	262	274	528	1107	617	902	1009	960	1926	780	642	1394
Machinery & equipment sold	224	375	187	162	215	208	345	379	239	687	338	636
Agricultural adjustment payments	575	651	723	342	63	91	125	74	76	37	52	151
Income from work off farm	215	203	100	324	361	472	269	234	355	287	476	406
Miscellaneous	515	238	229	46	69	61	45	109	54	51	229	78
(7) Total farm sales	9915	14224	23100	18161	14876	17319	19884	26319	25575	17805	17069	27618
(8) Net increase in farm capital	1862	4166	2105	451	-	546	3798	5321	968	3630	5201	3115
(9) Family living from farm	525	615	649	639	595	649	634	651	636	566	702	762
(10) Total farm receipts	12302	19005	25854	19251	15471	18514	24316	32291	27179	22007	22972	31495

Table 20. Summary of Farm Earnings for Part-Owners, 1940 - 1951 (Continued)

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
FARM PURCHASES:												
Dairy & dual-purpose cows bought	\$ 40	\$ 38	\$ 72	\$ 83	\$108	\$ 18	\$ 47	\$ 20	\$ 86	\$ 25	\$ 3	\$102
Other dairy & dual-purpose cattle	51	43	65	100	33	40	38	34	54	84	332	164
Beef cattle bought (inc. feeders)	1674	2633	2872	966	1600	1733	2370	1865	3188	2546	1383	3794
Hogs bought	88	204	683	322	522	705	382	564	567	454	756	352
Sheep bought (inc. feeders)	604	761	1941	439	210	607	514	418	145	633	177	2119
Poultry bought (inc. turkeys)	137	142	82	170	220	231	187	212	114	97	97	136
Horses bought	28	45	54	52	50	9	30	6	17	1	13	-
Miscellaneous livestock expense	82	124	190	203	170	216	203	253	254	271	400	635
Miscellaneous crop expense	306	386	564	636	580	725	911	1415	1342	882	828	1271
Feed bought	1378	2637	3909	3691	2470	2649	3291	4694	3533	2316	2105	4420
Custom work hired	156	144	210	241	291	271	345	318	512	432	429	406
Mech. power machinery, new	394	576	337	222	213	221	449	1158	1020	1344	761	842
Mech. power, upkeep	482	617	655	133	180	299	325	359	375	311	326	474
Mech. power (gas, oil, etc.)				516	566	669	744	924	1016	1052	939	1131
Crop & general mach., new	364	609	419	261	372	437	605	877	922	1161	1525	658
Crop & general mach., upkeep	85	119	179	173	198	242	247	333	391	286	223	313
Livestock equipment, new	53	101	135	146	101	64	135	115	53	113	64	113
Livestock equipment, upkeep	20	40	61	108	98	76	97	92	96	103	132	192
Buildings & fencing, new	457	440	383	261	459	558	390	1462	1767	1561	947	2249
Buildings & fencing, upkeep	137	160	177	160	264	268	231	398	275	291	335	341
Hired labor	434	637	819	956	872	740	900	1041	1127	1081	636	1181
Taxes	260	295	289	251	236	259	288	315	368	379	344	390
General farm & insurance	79	106	111	124	139	142	181	191	222	176	240	287
Cash rent	231	395	644	486	294	415	291	441	701	367	503	494
Interest paid	423	452	503	410	326	367	289	212	327	240	325	481
(1) Total farm purchases	7963	11704	15354	11110	10572	11961	13490	17717	18472	16206	13823	22545
(2) Net decrease in farm capital	153	30	934	-	258	-	-	-	-	-	-	-
(3) Board furnished hired labor	157	193	224	179	148	103	101	116	125	30	74	91
(4) Interest on farm capital	1060	1372	1429	1330	1328	1261	1301	1771	1525	1614	1618	1895
(5) Unpaid family labor	281	334	301	370	272	365	354	437	373	420	307	396
(6) Total farm exp. (sum of 1-5)	9614	13633	18242	12989	12578	13690	15246	20041	20495	18270	15822	24927
(11) Operators labor earnings	2688	5372	7612	6262	2893	4824	9070	12250	6684	3731	7150	6568
(12) Return to capital & family labor	4029	7078	9342	7962	4493	6450	10725	14458	8582	5765	9075	8859

Table 21. Summary of Farm Earnings for Renters, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	32	43	44	42	43	33	30	26	24	20	18	22
FARM SALES:												
Dairy & dual-purpose cows	\$118	\$180	\$216	\$162	\$173	\$238	\$207	\$218	\$254	\$440	\$443	\$293
Dairy products	652	696	532	658	611	673	855	650	810	914	1133	923
Other dairy & dual-purpose cattle	154	213	132	124	126	263	371	242	201	427	538	340
Beef cattle (inc. feeders)	1124	1956	1684	2888	2028	2046	1354	2732	3778	1391	2015	4501
Hogs	1090	1660	2612	4215	3041	2792	4206	6448	6509	5022	6472	5551
Sheep & wool (inc. feeders)	304	744	641	1089	655	870	619	432	98	257	160	781
Poultry (inc. turkeys)	557	395	499	477	736	429	574	349	244	276	479	286
Eggs	162	276	498	691	802	785	961	890	728	1127	594	810
Horses	42	12	23	52	40	25	27	58	26	9	11	2
Corn	380	222	436	172	233	296	212	725	395	879	576	371
Small grain	536	672	689	830	483	648	731	1302	2156	830	660	374
Other crops	48	68	196	207	453	248	509	485	651	354	400	403
Mech. power & equipment sold	358	149	84	152	174	243	320	528	392	603	413	639
Agricultural adjustment payments	348	302	294	162	69	19	73	45	39	14	40	54
Income from work off farm	131	133	135	171	283	213	336	363	267	158	324	397
Miscellaneous	267	118	111	47	49	27	80	27	32	58	38	52
(7) Total farm sales	6271	7796	8782	12097	9956	9815	11435	15494	16580	12759	14296	15777
(8) Net Increase in farm capital	1037	1575	2015	166	-	687	2612	4735	3037	1109	3393	2158
(9) Family living from farm	436	457	469	510	512	537	616	617	614	522	564	628
(10) Total farm receipts	7744	9828	11266	12773	10468	11039	14663	20846	20231	14390	18253	18563

Table 21. Summary of Farm Earnings for Renters, 1940 - 1951 (continued)

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
FARM PURCHASES:												
Dairy & dual-purpose cows bought	\$ 28	\$ 98	\$ 34	\$ 40	\$ 40	\$ 93	\$101	\$ 69	\$ 82	\$249	\$ 89	\$ 86
Other dairy & dual-purpose cattle	57	67	56	66	66	91	121	59	70	233	175	288
Beef cattle bought (inc. feeders)	483	1135	749	1251	1046	732	763	2198	2443	649	1287	2176
Hogs bought	105	144	200	444	194	248	296	502	343	314	261	342
Sheep bought (inc. feeders)	418	488	574	484	340	664	281	275	74	34	113	909
Poultry bought (inc. turkeys)	127	87	117	134	145	153	177	186	88	120	140	138
Horses bought	52	31	42	43	55	6	18	32	7	-	11	8
Miscellaneous livestock expense	65	76	91	156	132	129	159	206	212	267	282	303
Miscellaneous crop expense	167	225	254	361	467	398	550	827	914	775	854	829
Feed bought	789	1041	1255	2577	1606	1780	1722	3297	3057	2492	3281	3015
Custom work hired	130	109	192	214	284	278	297	319	289	320	343	451
Mech. power mach., new	499	255	205	153	468	117	419	1056	793	888	791	997
Mech. power mach., upkeep				135	135	176	297	281	394	252	259	299
Mech. power (gas, oil, etc.)	320	381	398	360	464	474	557	652	789	823	901	844
Crop and general machinery, new	373	291	375	136	365	417	663	932	1375	1574	1156	1178
Crop and general machinery, upkp.	51	61	115	126	164	160	224	296	395	345	284	265
Livestock equipment, new	89	67	127	85	96	117	106	198	139	115	166	155
Livestock equipment, upkeep	24	22	60	85	72	101	88	111	107	144	147	133
Buildings and fencing, new	69	20	39	57	26	25	23	17	216	38	69	28
Buildings and fencing, upkeep	10	11	10	40	28	33	109	108	159	202	132	133
Hired labor	307	425	367	465	430	370	495	476	586	704	768	648
Taxes	28	41	43	33	45	37	47	45	72	75	83	95
General farm and insurance	57	55	65	73	80	83	117	124	143	172	181	215
Cash rent	599	461	557	503	529	475	470	542	433	460	779	502
Interest paid	76	95	98	129	62	81	87	126	134	86	112	173
(1) Total farm purchases	4923	5686	6023	8150	7339	7238	8187	12934	13314	11331	12664	14210
(2) Decrease in farm capital	131	31	154	-	10	-	-	-	-	-	-	-
(3) Board furnished hired labor	126	147	99	113	102	44	72	101	87	87	68	46
(4) Interest on farm capital	342	358	381	436	473	396	452	537	755	669	794	802
(5) Unpaid family labor	113	128	179	243	263	257	191	169	249	188	192	271
(6) Total farm expense	5635	6350	6836	8942	8187	7935	8902	13741	14405	12275	13718	15329
(11) Oper. labor earnings	2109	3478	4430	3831	2281	3104	5761	7105	5826	2115	4535	3234
(12) Return to capital and family labor	2564	3964	4990	4510	3017	3757	6404	7811	6830	2972	5521	4307

Table 22. Family Living From the Farm, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	165	166	165	164	163	153	142	137	136	131	139	121
Number of adult equivalents*:												
Family	3.5	3.5	3.4	3.1	3.0	3.2	3.1	3.1	3.2	3.1	3.0	3.2
Other	.9	.7	.5	.6	.5	.3	.4	.3	.3	.3	.3	.2
Physical quantities:												
Whole milk, quarts	1083	1168	1196	1022	1104	1159	1234	986	925	878	737	705
Skim milk, quarts	492	432	394	310	300	241	231	148	189	116	142	119
Cream, pints	307	288	291	227	208	188	172	124	105	81	83	72
Farm made butter, pounds	15	14	12	7	6	14	6	6	2	3	2	-
Cattle, pounds	408	445	416	428	451	566	508	418	358	328	399	368
Hogs, pounds	585	555	541	567	515	564	599	493	520	454	441	487
Sheep, pounds	13	17	8	6	3	5	3	3	3	2	1	3
Poultry, pounds	134	108	110	116	106	130	117	100	88	92	81	102
Eggs, dozen	172	186	184	229	164	162	160	159	161	143	147	159
Potatoes, bushels	18	16	15	17	10	10	10	12	9	2	3	2
Value:												
Whole milk	\$29.23	\$38.40	\$49.10	\$53.11	\$57.13	\$67.26	\$91.18	\$75.19	\$71.81	\$56.70	\$48.10	\$47.43
Skim milk	1.58	1.64	1.92	2.65	2.48	1.80	1.50	1.35	3.52	.82	1.65	1.81
Cream	27.92	31.20	39.12	37.04	36.86	38.68	43.87	31.52	26.42	18.11	17.63	16.95
Farm made butter	4.43	4.80	5.23	3.34	3.01	6.87	3.99	4.58	1.62	1.78	1.47	.15
Cattle	30.84	39.33	42.96	51.09	49.99	71.30	74.86	80.63	81.16	66.80	91.82	108.50
Hogs	30.49	47.43	68.88	77.36	67.79	78.29	101.04	121.70	114.07	79.39	75.18	100.94
Sheep	.86	1.11	1.02	.79	.41	.68	.35	.57	.77	.48	.36	.95
Poultry	14.81	13.64	18.22	20.69	22.00	30.43	29.18	21.96	22.55	18.71	17.27	22.81
Eggs	25.35	35.76	47.08	55.92	50.36	54.33	52.33	57.47	61.81	49.04	50.24	62.06
Potatoes	10.93	10.71	12.79	19.61	13.40	15.84	12.97	11.82	12.38	2.98	4.01	3.44
Vegetables and fruits	39.11	41.95	50.65	47.79	57.20	65.39	71.19	54.73	56.62	47.64	43.15	42.75
Farm fuel	28.29	20.92	11.08	9.78	9.82	6.09	7.38	5.13	5.15	4.16	4.18	1.64
Rental value of house	239.20	251.31	236.13	208.93	201.93	197.94	189.40	200.72	244.29	302.04	313.64	304.92
Miscellaneous	.05	-	-	.06	-	.17	-	-	-	-	-	-
Total	483.09	538.20	584.18	588.16	572.38	635.07	679.24	667.37	702.17	648.65	668.70	714.35

* Based on food consumption

Table 23. Household and Personal Expenses, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	131	127	122	99	87	70	58	65	59	59	59	57
Number of persons in family	4.6	4.5	4.5	4.1	4.0	4.3	4.1	4.0	4.1	4.1	4.1	4.2
Number of adult equivalents:*												
Family	3.5	3.6	3.5	3.1	3.0	3.2	3.1	3.1	3.0	3.0	3.0	3.1
Other**	.9	.7	.5	.6	.5	.3	.4	.3	.2	.2	.3	.3
EXPENSES:												
Food	\$330	\$361	\$395	\$434	\$456	\$452	\$543	\$644	\$661	\$682	\$712	\$779
Operating and supplies	130	122	144	155	142	227	180	275	275	288	275	314
Clothing	176	190	228	262	266	273	332	348	370	360	320	355
Personal	63	71	71	79	77	85	98	93	82	142	134	121
Furnishings and equipment	117	133	145	97	82	91	217	388	297	310	394	344
Education, recreation	102	105	130	105	91	124	121	140	176	140	179	206
Medical and health insurance	98	106	123	140	135	160	185	242	200	214	222	267
Church and gifts	109	112	152	176	176	229	254	313	337	331	283	375
Personal share auto expense	104	118	86	45	47	58	99	114	119	132	131	135
Household and personal share electrical expense	34	38	40	38	32	36	37	39	53	62	69	77
Household and personal share new auto and electric motors	<u>110</u>	<u>78</u>	<u>31</u>	<u>9</u>	<u>3</u>	<u>10</u>	<u>10</u>	<u>66</u>	<u>186</u>	<u>211</u>	<u>257</u>	<u>81</u>
Total cash living expenses	1373	1434	1545	1540	1507	1745	2076	2662	2756	2872	2976	3054
State and Federal income taxes	***	***	***	754	292	528	408	802	1359	932	464	507
Insurance	248	197	544	1124	1478	969	221	243	333	334	330	303
Investments	420	343	1161	733	621	120						
Total Household and Personal cash expense	1621	1631	2089	3418	3277	3242	3125	4050	5609	4871	4391	3984
Food furnished by the farm	216	263	339	376	372	447	488	466	455	319	337	421
Fuel furnished by the farm	28	24	13	12	10	7	11	5	5	6	7	3
House rental	<u>245</u>	<u>255</u>	<u>237</u>	<u>205</u>	<u>191</u>	<u>184</u>	<u>182</u>	<u>200</u>	<u>253</u>	<u>260</u>	<u>332</u>	<u>345</u>
Total cash expenses & perquisites	2110	2173	2678	4011	3850	3880	3806	4721	6322	5456	5067	4753

* Based on food consumption

** Hired help or others boarded

*** Included with church and gifts during 1940, 1941, 1942

Table 24. Average Crop Yields per Acre for Farms Growing Each Crop, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	Ave.
Canning peas, dollars	39.93	21.06	34.82	21.67	21.94	56.76	36.02	30.02	36.22	58.46	38.29	24.70	34.99
Flax, bushels	13.7	12.0	11.5	9.5	6.0	13.8	13.3	13.4	15.2	12.9	15.1	9.8	12.2
Barley, bushels	42.3	29.6	24.0	10.7	18.8	44.3	33.4	28.9	39.3	24.4	38.0	23.2	29.7
Oats & oat mixtures, bu.	59.7	26.8	44.5	33.2	36.3	51.8	42.1	42.0	53.0	42.7	47.0	47.7	43.9
Wheat, bushels	23.7	9.3	15.8	12.2	12.4	27.1	18.1	21.6	23.6	17.5	28.1	22.5	19.3
Corn, grain, bushels	46.2	55.9	57.4	39.6	49.6	33.5	53.1	40.4	63.1	49.1	44.9	38.3	47.6
Corn, silage, tons	8.5	9.5	10.3	8.5	7.5	7.1	8.9	6.9	10.1	9.2	8.7	7.5	8.6
Sweet corn, tons	2.9	3.1	3.8	2.3	2.7	2.6	2.8	1.6	3.1	3.3	3.9	1.2	2.8
Soybeans, bushels	14.4	14.4	12.2	12.6	18.5	15.3	19.0	15.3	20.3	18.9	16.4	16.4	16.1
Corn, fodder, tons	3.3	3.3	2.7	2.2	1.9	2.6	3.4	2.1	2.4	2.3	2.2	2.1	2.5
Alfalfa hay, tons	2.0	2.0	2.5	2.3	2.0	2.1	2.1	2.2	2.1	2.0	2.0	2.5	2.2
Soybean hay, tons	1.6	1.6	1.3	1.2	1.4	1.1	1.4	1.2	1.1	1.6	1.0	1.0	1.3
Mixed legumes & non legume hay, tons	1.4	1.5	1.8	1.5	1.7	1.9	1.6	1.7	1.6	1.4	1.6	1.7	1.6
Legumes for seed, bushels	138	208	52	33	104	-	133	171	115	99	98	66	111
Timothy and/or brome hay, tons	1.4	1.2	1.2	1.4	1.3	1.6	1.3	1.3	1.2	.9	1.0	1.6	1.3
Other annual hay, tons	1.7	1.5	1.0	1.0	1.0	1.2	1.4	1.6	2.3	1.5	-	1.0	1.4
Phalaris and wild hay, tons	1.3	.8	.7	.6	.9	1.0	1.1	.7	.7	.8	.8	.6	.8

Table 25. Measures of Size Organization and Efficiency, 1940 - 1951

Item	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Per cent tillable land in high return crops	35.9	36.5	38.9	40.3	54.2	55.7	55.4	56.9	55.7	58.3	54.4	60.2
Productive livestock units per 100 acres	22.1	24.7	24.7	25.1	21.4	22.1	20.7	20.1	19.5	19.3	20.0	23.8
Size of business-work units	569	631	624	586	530	535	514	483	489	483	502	529
Work units per worker	263	264	271	279	279	297	286	284	272	284	295	311
Power, machinery, equipment & buildings expenses per work unit	\$2.17	\$2.30	\$2.90	\$3.52	\$4.20	\$4.52	\$5.08	\$6.39	\$7.41	\$7.75	\$8.01	\$7.75
Work units on crops	214	225	219	205	181	184	181	170	177	183	182	182
Work units on livestock	306	357	364	354	312	313	296	284	285	275	294	313
Other work units	49	49	41	27	37	38	37	29	27	25	26	34
Number of family workers	1.5	1.4	1.5	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.2	1.3
Number of hired workers	.7	1.0	.8	.8	.6	.5	.5	.5	.5	.5	.5	.4
Total number of workers	2.2	2.4	2.3	2.1	1.9	1.8	1.8	1.7	1.8	1.7	1.7	1.7
Expenses per work unit:												
Power	\$1.22	\$1.34	\$1.48	\$1.88	\$2.20	\$2.38	\$2.58	\$3.21	\$3.69	\$3.71	\$3.90	\$3.81
Crop machinery	.40	.41	.57	.67	.83	.88	1.03	1.41	1.70	1.93	2.04	1.97
Livestock equipment	.12	.13	.19	.26	.32	.34	.38	.43	.45	.45	.45	.49
Buildings	.43	.42	.66	.71	.85	.92	1.09	1.34	1.57	1.66	1.62	1.48

Table 26. Distribution of Acres in Farm, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	Ave.
	Acres per farm												
Canning peas	1.3	1.5	1.2	1.4	.5	.8	.9	.6	.2	.6	.5	.5	.8
Flax	32.0	33.6	37.1	35.8	15.2	15.8	15.4	25.2	25.5	23.5	19.2	14.4	24.4
Barley	24.6	21.0	15.4	5.2	.8	1.1	6.6	5.8	7.5	8.8	14.2	10.7	10.1
Oats & oat mixtures	42.9	44.5	36.6	37.6	39.3	52.0	51.6	34.0	45.1	42.7	49.4	40.5	43.0
Wheat, rye or millet	<u>6.6</u>	<u>5.5</u>	<u>3.0</u>	<u>2.6</u>	<u>4.5</u>	<u>1.0</u>	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>.2</u>	<u>.6</u>	<u>.3</u>	<u>2.4</u>
Total small grains & peas	107.4	106.1	93.3	82.6	60.3	70.7	76.0	67.1	79.8	75.8	83.9	66.4	80.7
Seed corn, pot. & tr. crops	4.2	1.7	1.7	1.9	1.3	1.0	1.4	.2	.3	1.0	.1	.2	1.3
Corn, grain	57.3	63.2	69.2	83.1	82.8	84.2	82.1	72.6	78.6	84.9	71.8	79.2	75.7
Corn, silage	7.4	7.7	5.7	6.3	7.8	7.1	4.2	4.9	3.6	4.2	5.3	5.8	5.8
Sweet corn	.6	1.1	1.1	.9	1.4	1.1	.6	.6	.3	.5	.6	.4	.8
Soybeans for grain	2.0	4.4	11.0	8.0	6.3	13.9	12.6	17.2	11.2	11.0	15.6	14.9	10.7
Corn, fodder	<u>2.6</u>	<u>2.1</u>	<u>2.0</u>	<u>.8</u>	<u>2.1</u>	<u>.8</u>	<u>.7</u>	<u>.1</u>	<u>.5</u>	<u>.1</u>	<u>.1</u>	<u>.2</u>	<u>1.0</u>
Total cultivated crops	74.1	80.2	90.7	101.0	101.7	108.1	101.6	95.6	94.5	101.7	93.5	100.7	95.3
Alfalfa hay	15.6	17.3	21.9	18.6	16.4	14.8	14.8	15.1	16.0	14.0	18.4	23.0	17.2
Soybean hay	3.0	2.2	.6	.2	1.7	.7	.2	.1	.1	.2	.2	-	.8
Mixed legumes & non leg. hay	3.9	7.9	5.1	3.9	3.5	3.0	3.1	3.5	2.1	1.2	2.9	4.1	3.6
Legumes for seed	.8	.5	.4	.4	.4	-	-	.4	.2	.7	1.6	1.0	.5
Timothy & brome hay & seed	2.0	1.4	.9	.9	1.3	1.2	1.2	.8	.7	.9	.8	.4	1.1
Misc. hay & seed	<u>1.4</u>	<u>2.2</u>	<u>.9</u>	<u>.1</u>	<u>1.8</u>	<u>.2</u>	<u>.2</u>	<u>-</u>	<u>-</u>	<u>.3</u>	<u>.1</u>	<u>.2</u>	<u>.6</u>
Total tillable land in hay	26.7	31.5	29.8	24.1	25.1	19.9	19.5	19.9	19.1	17.3	24.0	28.7	23.8
Alfalfa pasture	3.9	5.4	8.2	7.4	5.6	6.0	5.9	4.5	6.0	6.1	6.4	8.7	6.2
Other legumes and mixtures	9.8	10.6	8.6	7.7	7.7	5.0	5.2	3.4	2.6	2.3	2.8	4.3	5.8
Sudan grass and/or rape	1.7	2.5	2.8	1.1	1.3	1.1	.6	.4	.7	.6	.6	.4	1.2
Other tillable pasture	<u>8.0</u>	<u>8.4</u>	<u>7.5</u>	<u>7.4</u>	<u>6.7</u>	<u>5.9</u>	<u>4.4</u>	<u>5.5</u>	<u>5.5</u>	<u>4.5</u>	<u>3.7</u>	<u>2.4</u>	<u>5.8</u>
Total tillable land in pasture	23.4	26.9	27.1	23.6	21.3	18.0	16.1	13.8	14.8	13.5	13.5	15.8	19.0
Tillable land not cropped	<u>2.0</u>	<u>3.3</u>	<u>3.5</u>	<u>3.0</u>	<u>13.7</u>	<u>3.9</u>	<u>1.0</u>	<u>5.3</u>	<u>.8</u>	<u>.8</u>	<u>.8</u>	<u>2.8</u>	<u>3.4</u>
Total tillable land	233.6	248.0	244.4	234.3	222.1	220.6	214.2	201.7	209.0	209.1	215.7	214.4	222.2
Phalaris & wild hay(non-till)	4.8	4.9	4.7	4.3	4.2	3.8	3.1	3.0	3.2	2.0	1.9	2.5	3.5
Non-tillable pasture	21.1	21.8	22.1	21.4	22.6	23.8	23.5	21.3	21.3	20.5	22.1	21.8	22.0
Roads, waste and timber	10.1	11.0	10.7	11.0	10.9	11.3	10.6	9.2	8.7	9.3	8.8	9.0	10.1
Farmstead	<u>9.1</u>	<u>9.5</u>	<u>9.1</u>	<u>8.9</u>	<u>8.6</u>	<u>8.5</u>	<u>8.4</u>	<u>7.8</u>	<u>8.1</u>	<u>8.2</u>	<u>8.3</u>	<u>8.6</u>	<u>8.6</u>
Total acres in farm	278.7	295.2	291.0	279.9	268.4	268.0	259.8	243.0	250.3	249.1	256.8	256.3	266.4

Table 27. Average Amount of Livestock Per Farm, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Total number animal units	55.3	66.8	66.9	63.9	51.1	52.1	48.5	42.8	43.1	59.0	47.3	57.6
No. of dairy & dual-purpose cows	8.6	9.1	8.6	7.6	6.6	6.1	5.7	5.2	4.8	4.6	4.6	4.5
No. of other dairy and dual-purpose cattle	9.0	10.0	9.2	8.2	7.8	7.1	6.7	5.7	5.4	5.3	5.7	6.1
No. of beef cows	9.0	9.4	9.9	10.7	13.5	10.8	10.7	2.9	3.8	3.4	3.2	3.5
No. other beef cattle in breeding herd								5.1	5.2	4.9	4.8	5.4
Number of hens	161	173	196	223	230	215	210	200	200	185	186	180
Number litters pigs	13.6	16.9	20.1	25.4	16.7	19.4	18.1	19.5	20.2	20.3	22.7	23.4
Pounds hogs produced	21,335	27,550	34,522	39,596	29,054	33,994	34,524	34,163	35,651	33,129	37,633	39,702
Pounds feeder cattle produced	8,678	14,087	10,119	8,483	5,315	7,695	6,083	5,717	7,117	6,768	8,699	10,852
Pounds feeder lambs produced	*	2,292	2,054	1,312	899	1,237	872	523	133	126	252	322

* Information not available.

Table 28. Feed Costs and Returns from Dairy Cows, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	78	70	61	55	65	56	44	43	38	45	49	41
Pounds of butterfat per cow	250	254	250	251	226	242	244	259	258	284	277	280
Feeds per cow, lbs.:												
Corn	924	998	1621	1704	1543	1950	1380	1713	1405	1700	1520	1924
Small grain	1496	1380	927	1104	620	765	1013	900	839	1080	988	981
Commercial feeds	134	165	150	168	144	164	175	205	282	297	273	397
Legume hay	3570	3274	4175	4117	3718	3388	3144	3316	3597	3443	3535	4272
Other hay	450	364	219	149	277	492	827	1025	843	954	1081	229
Fodder and stover	399	365	399	129	230	141	355	250	95	53	19	-
Total concentrates	2554	2543	2698	2976	2307	2879	2568	2818	2526	3077	2781	3302
Total dry roughage	4419	4003	4799	4395	4225	4021	4326	4591	4535	4450	4635	4501
Silage	5310	5502	4458	4645	3661	4376	4561	4690	4416	3978	6092	4980
Total digestible nutrients*	5025	5039	5274	5365	4475	4987	4901	5245	4958	5266	5486	5710
T.D.N. per lb. B.F.*	20.1	19.8	21.1	21.4	19.8	20.6	20.1	20.3	19.2	18.5	19.8	20.4
Per cent T.D.N. that is protein*	14.1	14.0	14.9	14.4	14.8	13.5	13.8	13.7	14.6	14.1	13.6	14.5
Feed cost per cow:												
Concentrates	\$21.34	\$24.87	\$33.91	\$50.74	\$43.91	\$48.77	\$55.73	\$81.00	\$80.06	\$62.90	\$66.24	\$83.14
Roughages	19.63	21.98	23.53	31.48	38.36	38.27	41.53	60.38	53.15	51.64	63.67	60.08
Pasture	5.53	6.26	5.55	5.81	5.78	5.64	6.43	7.04	6.79	6.74	6.76	7.63
Total feed costs	46.50	53.11	62.99	88.03	88.05	92.68	103.69	148.42	140.00	121.28	136.67	150.85
Value of produce per cow:												
Dairy product sales	71.54	85.82	101.14	126.35	125.72	143.51	181.26	196.66	219.13	192.23	187.29	218.28
Dairy products used in house	7.28	6.98	8.60	9.93	12.53	14.50	17.99	14.90	13.15	14.31	11.73	13.59
Milk to livestock	11.23	12.97	15.85	17.84	16.18	18.39	17.33	20.93	22.37	14.80	22.04	15.41
Net increase in value of cows	- .52	4.23	7.53	3.77	3.07	8.58	8.19	19.93	36.60	6.10	46.31	42.76
Total value produced	89.53	110.00	133.12	157.89	157.50	184.98	224.77	252.42	291.25	227.44	267.37	290.04
Returns above feed cost per cow	43.03	56.89	70.13	69.86	69.45	92.30	121.08	104.00	151.25	106.16	130.70	139.19
Returns for \$100 feed	\$193	\$207	\$211	\$179	\$179	\$200	\$217	\$170	\$208	\$188	\$196	\$192
Price received per lb. B.F. sold:												
All B.F. sold (cts.)	32.5	38.6	45.0	56.2	61.8	67.7	83.5	83.9	92.2	73.3	72.6	83.7
To creameries for butter (cts.)	31.2	36.8	42.9	53.5	58.2	62.6	77.4	75.9	86.3	65.7	66.2	75.6
As whole milk (cts.)	47.8	49.4	63.6	72.8	84.3	89.1	100.9	99.3	110.4	89.3	84.9	97.4
Feed cost per lb. B.F. (cts.)	18.6	20.9	25.2	35.1	39.0	38.3	42.5	57.3	54.3	42.7	49.3	53.9
Per cent fall freshening	52	48	49	39	39	45	52	46	44	43	43	32
Number of cows	11.5	13.8	13.4	13.7	11.1	11.5	12.8	11.8	12.0	9.9	9.8	10.6

* Not including nutrients received from pasture

Table 29. Feed Costs and Returns From Other Dairy Cattle, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	72	66	59	50	61	52	42	42	38	43	47	38
Feed per head, lbs.:												
Concentrates	674	733	731	888	666	918	782	829	498	745	653	795
Hay and fodder	1464	1248	1384	1584	1331	1681	1606	1670	1521	1567	1640	1720
Silage	1917	1578	1424	1969	1262	1406	1515	1761	1588	1516	2035	1533
Skim milk	1308	1346	1355	1123	964	871	1231	821	597	922	897	423
Whole milk	379	524	443	336	427	288	255	292	382	168	259	274
Feed cost per head:												
Concentrates	\$5.46	\$6.98	\$8.99	\$15.03	\$12.94	\$ *	\$ *	\$ *	\$15.71	\$ *	\$15.66	\$ *
Roughage	6.70	6.54	6.82	11.27	12.05	*	*	*	17.49	*	21.58	*
Milk	6.64	10.06	10.30	11.34	11.11	*	*	*	10.53	*	10.23	*
Pasture	<u>1.74</u>	<u>2.03</u>	<u>1.83</u>	<u>2.08</u>	<u>2.03</u>	*	*	*	<u>2.50</u>	*	<u>2.37</u>	*
Total feed costs	20.54	25.61	27.94	39.72	38.13	42.01	46.24	60.12	46.23	43.32	49.84	56.43
Net increase in value of other cattle	31.94	45.59	48.24	43.41	45.54	52.76	61.51	79.74	79.46	78.66	124.28	111.94
Returns above feed cost per head	11.40	19.98	20.30	3.69	7.41	10.75	15.27	19.62	33.23	35.34	74.44	55.51
Returns for \$100 of feed	\$156	\$178	\$173	\$109	\$119	\$126	\$133	\$133	\$172	\$182	\$249	\$198
Number of head	12.6	15.0	13.9	15.1	13.7	15.1	14.8	13.9	14.1	11.0	12.5	15.5

* Information not available

Table 30. Feed Costs and Returns from All Dairy Cattle, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	78	70	61	55	65	56	44	43	38	45	49	41
Feeds per animal unit, lbs.:												
Concentrates	2139	2139	2272	2482	1928	2442	2166	2370	1980	2613	2152	2575
Hay and fodder	3852	3401	4042	3844	3548	3672	3757	4009	3762	3853	4003	3944
Silage	4480	4647	3974	4358	3266	3890	4064	4139	3880	3618	5291	4239
Feed cost per animal unit:												
Concentrates	\$17.80	\$20.81	\$28.38	\$42.74	\$36.83	\$ *	\$ *	\$ *	\$60.38	\$ *	\$51.67	\$ *
Roughages	16.94	18.49	20.01	27.79	32.49	*	*	*	45.00	*	54.49	*
Pasture	<u>4.83</u>	<u>5.44</u>	<u>4.88</u>	<u>5.21</u>	<u>5.11</u>	*	*	*	<u>6.14</u>	*	<u>6.02</u>	*
Total feed costs	39.57	44.74	53.27	75.74	74.43	80.54	89.12	126.44	111.52	104.10	112.18	124.84
Value of prod. per animal unit:												
Dairy products	55.82	65.38	78.37	97.28	92.63	103.69	131.00	137.01	149.73	144.08	129.58	142.61
Net increase in value of animal	<u>18.83</u>	<u>27.67</u>	<u>33.68</u>	<u>29.37</u>	<u>31.29</u>	<u>41.95</u>	<u>45.30</u>	<u>66.96</u>	<u>76.90</u>	<u>53.59</u>	<u>117.40</u>	<u>109.75</u>
Total value produced	74.65	93.05	112.05	126.65	123.92	145.64	176.30	203.97	226.63	197.67	246.98	252.36
Returns above feed per animal unit:	35.08	48.31	58.78	50.91	49.49	65.10	87.18	77.53	115.11	93.57	134.80	127.52
Returns for \$100 of feed	\$189	\$208	\$210	\$167	\$166	\$181	\$198	\$161	\$203	\$190	\$220	\$202
Number of animal units	17.7	21.3	20.6	21.0	18.0	18.9	20.2	19.0	19.4	15.3	16.1	19.5

* Information not available

Table 31. Feed Costs and Returns from Dual Purpose Cows, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	50	53	60	51	38	29	24	20	16	15	13	11
Pounds butterfat per cow	179	190	190	182	172	182	191	185	172	170	213	169
Feeds per cow, lbs.:												
Corn	565	841	1109	1639	1278	1562	1478	1744	1391	1644	1541	1718
Small grain	927	1125	731	532	412	729	599	464	653	693	915	551
Commercial feeds	10	40	59	56	34	73	49	68	80	133	172	320
Legume hay	2981	2996	3330	3846	3100	3172	2953	2991	2909	2532	3125	3022
Other hay	843	494	452	137	110	182	414	531	1021	568	993	247
Fodder and stover	409	483	245	270	206	288	34	107	37	-	-	-
Total concentrates	1502	2006	1899	2227	1724	2364	2126	2276	2124	2470	2628	2589
Total dry roughage	4233	3973	4027	4253	3416	3642	3401	3629	3967	3100	4118	3269
Silage	4132	3548	3701	3325	2830	3344	4123	3655	4412	5154	5162	3250
Total digestible nutrients*	3926	4106	4155	4568	3579	4241	4085	4239	4390	4333	4954	4179
T.D.N. per lb. B.F.*	21.9	21.6	21.9	25.1	20.8	23.3	21.4	22.9	25.5	25.5	23.3	24.7
Per cent T.D.N. that is protein*	13.8	14.0	14.2	14.2	14.0	13.7	13.8	12.9	13.3	12.9	13.3	13.8
Feed cost per cow:												
Concentrates	\$11.99	\$18.95	\$23.41	\$36.84	\$31.75	\$39.53	\$45.42	\$64.40	\$66.49	\$48.34	\$60.56	\$59.88
Roughages	17.03	19.03	19.09	27.15	30.32	33.11	35.25	49.03	48.50	43.35	55.76	41.53
Pasture	5.83	6.21	6.05	6.10	5.95	5.38	7.15	7.58	7.81	5.85	7.23	7.45
Total feed costs	34.85	44.19	48.55	70.09	68.02	78.02	87.82	121.01	122.80	97.54	123.55	108.86
Value of produce per cow:												
Dairy product sales	43.57	53.39	62.47	77.93	75.04	89.26	122.04	117.48	123.38	100.24	120.89	106.31
Dairy products used in home	7.90	10.09	12.68	12.08	16.03	18.72	18.45	19.92	14.62	12.27	12.01	16.06
Milk to livestock	9.22	13.41	15.32	14.89	16.50	16.39	18.12	18.82	24.27	9.29	27.01	15.20
Net increase in value of cows	.65	6.43	12.36	6.40	6.46	14.93	23.47	23.70	26.07	18.66	27.61	37.94
Total value produced	61.34	83.32	102.83	111.30	114.03	139.30	182.08	179.92	188.34	140.46	187.52	175.51
Returns above feed cost per cow	26.49	39.13	54.28	41.21	46.01	61.28	94.26	58.91	65.54	42.92	63.97	66.65
Returns for \$100 of feed	176	189	212	159	168	179	207	149	153	144	152	161
Price received per lbs. B.F. sold:												
All B.F. sold (cts.)	30.1	35.0	42.2	52.5	57.0	61.9	77.0	75.9	87.5	66.4	64.2	75.1
As cream for butter (cts.)	30.0	34.9	42.0	52.3	57.0	61.9	75.0	75.1	86.6	66.2	64.1	74.8
Feed cost per lb. B.F. (cts.)	19.5	23.3	25.6	38.5	39.5	42.9	46.0	65.4	71.4	57.4	58.0	64.4
Per cent fall freshening	46.0	46.0	37.9	41.7	33.0	43.0	34.0	29.0	28.0	27.0	51.0	33.0
Number of cows	9.9	9.8	9.5	8.4	8.0	7.6	7.4	6.8	6.9	7.5	7.4	5.8

* Not including nutrients received from pasture

Table 32. Feed Costs and Returns from Other Dual Purpose Cattle, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	39	47	45	37	28	26	19	17	14	13	11	10
Feed per head, pounds:												
Concentrates	742	764	687	817	906	1214	1143	1448	591	1440	883	1029
Hay and fodder	1633	1235	1184	1264	1169	1370	1318	1123	1068	574	1125	1314
Silage	1228	1140	981	647	899	1250	1585	841	1005	1117	1277	1114
Skim milk	1223	1196	1218	732	879	1166	683	611	753	173	1563	396
Whole milk	204	383	299	180	322	329	185	314	202	82	216	155
Feed cost per head												
Concentrates	\$5.94	\$7.32	\$8.30	\$13.83	\$16.72	\$ *	\$ *	\$ *	\$17.41	\$ *	\$20.29	\$ *
Roughage	6.07	5.66	5.38	7.26	9.90	*	*	*	12.88	*	13.54	*
Milk	4.42	7.80	8.26	5.97	9.50	*	*	*	9.59	*	11.50	*
Pasture	1.72	2.33	2.68	2.36	2.89	*	*	*	3.06	*	1.78	*
Total feed costs	18.15	23.11	24.62	29.42	39.01	44.69	48.16	69.92	42.94	39.86	47.11	49.31
Net increase in value of other dual purpose cattle	30.39	43.28	47.54	34.70	42.75	58.06	75.43	81.01	75.22	100.76	164.83	93.39
Return above feed cost per head	12.24	20.17	22.92	5.28	3.74	13.37	27.27	11.09	32.28	60.90	117.72	44.08
Returns for \$100 of feed	\$167	\$187	\$193	\$118	\$110	\$130	\$157	\$116	\$175	\$253	\$350	\$189
Number of head	16.6	13.9	15.2	15.2	14.5	11.7	13.7	9.9	10.0	13.5	11.1	11.6

* Information not available

Table 33. Feed Costs and Returns from All Dual Purpose Cattle, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	51	53	60	51	38	29	24	21	16	15	13	11
Feeds per animal unit, pounds:												
Concentrates	1477	1801	1755	2056	1732	2287	2129	2355	1781	2659	2334	2248
Hay and fodder	3848	3322	3374	3542	2913	3223	3022	3095	3193	2367	3263	2843
Silage	3875	2901	3160	2739	2715	2822	3470	3208	3674	4466	4355	2715
Feed cost per animal unit												
Concentrates	\$11.78	\$17.08	\$21.47	\$34.28	\$31.87	\$ *	\$ *	\$ *	\$55.18	\$ *	\$53.74	\$ *
Roughages	15.48	15.61	15.98	22.47	25.78	*	*	*	39.30	*	44.21	*
Pasture	<u>5.23</u>	<u>5.52</u>	<u>5.80</u>	<u>5.83</u>	<u>5.79</u>	*	*	*	<u>7.00</u>	*	<u>5.83</u>	*
Total feed costs	32.49	38.21	43.25	62.58	63.44	71.76	82.15	115.39	101.48	93.15	103.78	94.83
Value of produce per animal unit:												
Dairy products	37.23	42.86	56.25	63.19	65.24	72.90	89.92	93.83	100.10	76.76	90.48	67.73
Net increase in value of animal	<u>20.40</u>	<u>33.97</u>	<u>37.91</u>	<u>30.27</u>	<u>32.13</u>	<u>48.04</u>	<u>65.55</u>	<u>75.27</u>	<u>67.37</u>	<u>76.69</u>	<u>132.34</u>	<u>100.97</u>
Total value produced	57.63	76.83	94.16	93.46	97.37	120.94	155.47	169.10	167.47	153.45	222.82	168.70
Returns above feed per animal unit	25.14	38.62	50.91	30.88	33.93	49.18	73.32	53.71	65.99	60.30	119.04	73.87
Returns for \$100 of feed	\$ 177	\$ 201	\$ 218	\$ 149	\$ 153	\$ 169	\$ 189	\$ 147	\$ 165	\$ 165	\$ 215	\$ 174
Number of animal units	16.5	16.4	15.5	14.3	13.6	13.2	13.2	10.7	11.5	13.6	12.5	11.4

* Information not available

Table 34. Feed Costs and Returns from Feeder Cattle, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	75	80	94	84	77	73	55	50	46	50	53	53
Feed per cwt. beef produced, lbs.:												
Corn	596	659	818	809	609	757	617	741	572	711	598	625
Small grain	110	119	60	44	17	21	44	45	55	31	33	32
Commercial feed	34	32	37	41	32	36	38	29	52	51	52	48
Legume hay	270	182	285	305	257	205	288	353	182	150	192	278
Other hay	74	48	69	44	56	75	74	79	97	64	84	67
Fodder and stover	44	56	36	17	34	32	6	18	24	6	3	3
Total concentrates	740	810	915	894	658	814	699	815	679	793	683	705
Total hay and fodder	388	286	390	366	347	312	368	450	303	220	279	348
Silage	555	325	400	437	410	395	467	358	470	281	593	480
Feed cost per cwt. beef produced:												
Concentrates	\$5.92	\$7.63	\$11.02	\$14.39	\$11.52	\$12.60	\$13.89	\$22.95	\$22.08	\$15.76	\$15.55	\$18.16
Roughages	1.70	1.34	1.82	2.49	3.22	2.81	3.68	5.59	3.74	2.70	4.16	4.40
Pasture	.38	.24	.43	.37	.32	.21	.46	.70	.52	.62	.42	.88
Total feed costs	8.00	9.21	13.27	17.25	15.06	15.62	18.03	29.24	26.34	19.08	20.13	23.44
Net increase in value of feeders	10.92	13.20	16.91	18.68	18.62	23.00	26.62	38.34	36.83	27.86	37.22	36.44
Returns above feed cost per cwt. beef produced	2.92	3.99	3.64	1.43	3.56	7.38	8.59	9.10	10.49	8.78	17.09	13.00
Returns for \$100 of feed	\$ 137	\$ 143	\$ 127	\$ 108	\$ 124	\$ 147	\$ 148	\$ 131	\$ 140	\$ 146	\$ 185	\$ 155
Price received per cwt. beef sold	\$8.81	\$10.13	\$12.22	\$13.68	\$13.83	\$14.95	\$16.54	\$23.45	\$29.12	\$24.50	\$27.24	\$33.73
Price paid per cwt. beef bought	\$6.14	\$9.82	\$11.82	\$11.57	\$11.22	\$12.60	\$15.79	\$20.24	\$26.35	\$20.91	\$29.20	\$33.84
Number of animal units	36.9	42.7	34.1	34.4	22.0	26.9	28.6	27.3	31.5	30.8	37.2	48.4
Pounds of beef produced	18,991	29,191	17,496	16,534	11,182	15,977	15,443	15,571	20,898	17,712	22,707	25,033

Table 35. Feed Costs and Returns from Beef Breeding Herds, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	42	39	44	50	59	45	39	30	33	30	31	27
Feed per animal unit, pounds:												
Concentrates	1418	1425	1369	1271	1028	1569	1333	1606	1126	1762	1810	2378
Legume	1824	1987	1673	2429	2164	1803	1718	2024	1737	1451	1816	2468
Other hay	628	398	386	245	380	352	540	701	649	634	693	746
Fodder and stover	438	453	405	155	272	462	174	132	128	101	475	473
Silage	2833	2885	2825	3155	2934	2749	3065	2770	2742	3261	3001	3790
Feed costs per animal unit:												
Concentrate	\$11.34	\$13.40	\$16.35	\$20.76	\$18.86	\$24.54	\$27.55	\$45.24	\$35.52	\$33.96	\$41.75	\$62.02
Roughages	11.19	13.29	11.54	19.16	24.76	22.61	23.52	37.34	29.14	27.53	34.41	41.86
Milk*	1.53	.28	.80	1.09	.43	.20	.27	.17	.23	.28	.04	.03
Pasture	5.80	6.60	5.86	5.57	5.87	5.49	7.25	6.45	6.77	7.44	6.04	10.94
Total feed cost	29.86	33.57	34.55	46.58	49.92	52.84	58.59	89.20	71.66	69.21	82.24	114.85
Value of produce per animal unit:												
Dairy products	7.00	8.71	11.72	12.84	13.45	14.88	21.38	14.39	20.18	15.77	11.39	13.98
Net increase in value of beef	41.06	49.92	58.36	52.28	48.67	61.96	79.33	128.08	113.90	103.95	156.44	230.93
Total value produced	48.06	58.63	70.08	65.12	62.12	76.84	100.71	142.47	134.08	119.72	167.83	244.91
Returns above feed cost per animal unit	18.20	25.06	35.53	18.54	12.20	24.00	42.12	53.27	62.42	50.51	85.59	130.06
Return per \$100 of feed	\$ 161	\$ 175	\$ 203	\$ 140	\$ 124	\$ 145	\$ 172	\$ 160	\$ 187	\$ 173	\$ 204	\$ 213
Number of cows and herd bulls	12.8	17.1	17.4	14.9	16.6	15.8	16.0	13.6	15.2	14.6	14.0	15.6
Number of animal units in herd	23.1	28.5	27.3	24.8	26.1	25.6	27.8	25.0	25.7	25.0	24.7	20.0
Pounds of beef produced	**	**	**	**	**	10,531	11,493	12,040	10,943	11,306	11,260	12,274

* From a dairy herd

** Information not available

Table 36. Feed Costs and Returns from Hogs, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	160	159	162	161	159	144	136	129	127	125	126	111
Feed per cwt. hogs produced, lbs.:												
Corn	318	367	390	439	435	414	384	409	343	345	320	353
Small grain	156	134	78	85	73	77	120	104	109	114	116	108
Commercial feeds	14	18	28	32	35	37	32	37	42	47	46	50
Total concentrates	488	519	496	556	543	528	536	550	494	506	482	511
Skim milk and buttermilk	142	114	86	72	71	57	38	43	40	27	39	26
Feed cost per cwt. hogs produced:												
Concentrates	\$3.88	\$5.14	\$6.40	\$9.55	\$10.00	\$8.74	\$11.67	\$16.25	\$15.33	\$10.75	\$11.67	\$13.83
Skim milk and buttermilk	.21	.20	.18	.17	.17	.14	.11	.16	.25	.10	.15	.11
Pasture	.20	.21	.18	.17	.15	.16	.17	.23	.22	.20	.21	.23
Total feed costs	4.29	5.55	6.76	9.89	10.32	9.04	11.95	16.64	15.80	11.05	12.03	14.17
Net increase in value per cwt.	5.52	10.70	14.37	12.82	13.63	14.27	19.63	25.73	20.87	15.42	18.88	19.02
Returns above feed cost per cwt.	1.23	5.15	7.61	2.93	3.31	5.23	7.68	9.09	5.07	4.37	6.85	4.85
Returns for \$100 of feed	\$ 129	\$ 193	\$ 213	\$ 130	\$ 132	\$ 158	\$ 164	\$ 155	\$ 132	\$ 140	\$ 157	\$ 134
Price received per cwt. hogs sold	\$5.15	\$9.07	\$13.13	\$13.80	\$13.12	\$14.27	\$17.17	\$24.66	\$23.29	\$18.29	\$17.93	\$19.61
Number of spring litters raised	*	*	*	20.2	13.4	15.1	15.7	16.5	16.9	16.6	19.0	19.2
Number of fall litters raised	*	*	*	5.7	3.8	5.5	3.2	4.2	4.8	4.6	6.2	6.8
Total number of litters raised	14.0	18.1	20.5	25.9	17.2	20.6	18.9	20.7	21.7	21.2	25.2	26.0
No. of pigs born per litter	*	*	7.8	7.5	7.5	7.6	7.7	7.6	8.1	8.0	8.3	8.2
No. of pigs weaned per litter	6.2	6.4	6.3	6.0	5.9	6.2	6.4	6.1	6.6	6.5	6.5	6.6
Pounds of hogs produced	21,907	28,740	35,161	40,330	29,797	36,069	36,027	36,161	38,150	34,716	41,528	43,637

* Information not available

Table 37. Feed Costs and Returns from Chickens, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	147	143	147	152	152	137	123	118	120	107	114	98
Feed per hen, lbs.:												
Grain	*	97	108	119	107	112	106	95	95	103	100	103
Commercial feeds	*	<u>19</u>	<u>24</u>	<u>30</u>	<u>36</u>	<u>42</u>	<u>41</u>	<u>46</u>	<u>41</u>	<u>45</u>	<u>47</u>	<u>45</u>
Total concentrates	101	116	132	149	143	154	147	141	136	148	147	148
Skim milk and buttermilk	25	23	24	18	15	9	2	5	4	4	1	3
Total feed cost per hen	\$1.11	\$1.50	\$2.15	\$3.17	\$3.46	\$3.53	\$3.95	\$4.99	\$4.99	\$3.94	\$4.35	\$4.85
Value of produce per hen:												
Eggs sold and used in home	1.42	2.04	3.18	4.23	4.06	4.75	4.86	5.48	5.68	5.79	4.39	5.91
Net increase in value of chick.	<u>.65</u>	<u>.81</u>	<u>1.04</u>	<u>1.42</u>	<u>1.11</u>	<u>1.41</u>	<u>1.36</u>	<u>.98</u>	<u>1.26</u>	<u>.59</u>	<u>.80</u>	<u>1.03</u>
Total value produced	2.07	2.85	4.22	5.65	5.17	6.16	6.22	6.46	6.94	6.38	5.19	6.94
Returns above feed cost per hen	.96	1.35	2.07	2.48	1.71	2.63	2.27	1.47	1.95	2.44	.84	2.09
Returns for \$100 of feed	\$ 186	\$ 190	\$ 196	\$ 178	\$ 149	\$ 175	\$ 157	\$ 129	\$ 139	\$ 162	\$ 119	\$ 143
Price received per doz. eggs sold	15.0	20.8	28.4	34.9	30.9	35.0	33.5	38.0	40.2	39.4	30.0	40.4
Eggs laid per hen	113	117	135	146	157	163	174	170	170	177	175	176
Average number of hens	179	199	218	240	247	238	240	232	226	223	224	222
Per cent laying flock that are pullets	75	70	78	82	87	86	91	85	80	85	84	87
Per cent death loss of hens	17	18	16	14	13	12	10	12	11	11	12	12
Number of chicks bought:												
Straight run	*	*	*	*	*	*	*	*	*	263	238	153
Pullets	*	*	*	*	*	*	*	*	*	174	171	225
Cockerels	*	*	*	*	*	*	*	*	*	24	25	60
Total	*	*	*	*	*	<u>644</u>	<u>533</u>	<u>504</u>	<u>398</u>	<u>461</u>	<u>434</u>	<u>438</u>
Pounds of chickens produced	*	*	*	*	*	1828	1691	1581	1338	1296	1439	1193

* Information not available.

Table 38. Feed Costs and Returns from a Farm Flock of Sheep, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	56	60	63	53	50	48	36	30	33	24	31	25
Feed per head,* lbs.:												
Concentrates	75	92	92	102	68	93	82	116	101	106	164	141
Legume hay	208	169	167	233	166	164	189	273	219	89	163	229
Other hay	60	32	31	27	21	28	33	94	74	97	92	32
Fodder and stover	46	39	44	2	9	10	10	-	7	20	-	15
Silage	142	104	77	87	73	130	79	69	76	95	88	114
Feed cost per head:												
Concentrates	\$.64	\$.85	\$1.14	\$1.68	\$1.31	\$1.60	\$1.79	\$2.40	\$3.10	\$2.19	\$3.62	\$3.59
Roughages	1.08	.95	.88	1.46	1.49	1.66	1.71	3.10	2.68	2.00	2.41	2.71
Pasture	.88	.96	.99	1.00	.98	1.07	1.24	1.31	1.17	1.06	1.03	1.29
Total feed costs	2.60	2.76	3.01	4.14	3.78	4.33	4.74	6.81	6.95	5.25	7.06	7.59
Value of produce per head:												
Wool	2.09	2.69	3.02	2.81	2.64	2.84	2.71	2.50	3.07	2.85	3.58	6.25
Net increase in value	3.78	6.03	5.60	4.70	4.14	6.35	13.00	11.02	13.78	10.98	17.77	14.67
Total value produced	5.87	8.72	8.62	7.51	6.78	9.19	15.71	13.52	16.85	13.83	21.35	20.92
Returns above feed cost per head	3.27	5.96	5.61	3.37	3.00	4.86	10.97	6.71	9.90	8.58	14.29	13.33
Returns for \$100 of feed	\$ 226	\$ 316	\$ 286	\$ 181	\$ 179	\$ 212	\$ 331	\$ 198	\$ 242	\$ 263	\$ 302	\$ 276
Price per cwt. lambs sold	**	\$10.35	\$13.12	\$13.02	\$13.15	\$13.93	\$18.33	\$21.16	\$23.17	\$21.60	\$27.03	\$29.93
Price per lb. wool sold (cts.)	28.7	38.2	40.9	41.1	41.1	42.4	43.4	36.5	42.2	41.5	54.7	100.0
Pounds wool per sheep sheared	9.0	8.9	9.0	8.6	8.4	8.4	8.4	9.4	8.7	8.4	9.0	8.8
Number of ewes kept for lambing	36	32	49	35	40	30	29	32	32	29	40	42
Per cent lamb crop	110	110	109	105	94	99	108	110	111	117	113	115
Per cent death loss	19.0	17.3	11.0	9.8	8.7	9.4	6.5	9.4	11.0	8.8	8.3	9.0
No. of head of sheep	54.8	54.9	77.0	62.0	59.0	42.0	42.5	42.7	43.3	43.5	61.3	72.9

* Two lambs under six months of age considered as one head

** Information not available

Table 39. Feed Costs and Returns from Feeder Lambs, 1940 - 1948 and 1950*

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1950
Number of farms	20	23	26	22	21	17	17	13	5	6
Feeds per cwt. sheep produced, lbs.:										
Concentrates	622	665	926	646	605	793	782	1133	942	911
Legume hay	326	201	397	272	241	292	269	434	180	355
Other hay	72	25	48	38	37	40	82	141	15	39
Fodder and stover	62	110	20	49	1	-	22	2	23	-
Silage	99	404	370	93	113	171	130	384	129	-
Feed cost per cwt. produced:										
Concentrates	\$4.76	\$6.30	\$11.02	\$10.61	\$10.04	\$11.95	\$16.15	\$32.24	\$31.83	\$20.80
Roughages	1.55	1.55	2.19	1.91	2.22	2.66	2.78	5.82	2.38	3.71
Pasture	.85	.53	1.02	1.33	.72	.54	.37	.12	.68	1.00
Total feed cost	7.16	8.38	14.23	13.85	12.98	15.15	19.30	38.18	34.89	25.51
Net increase in value per cwt.	9.29	16.39	20.90	18.09	23.83	24.59	37.32	35.04	16.70	46.03
Return above feed cost per cwt.	2.13	8.01	6.67	4.24	10.85	9.44	18.02	-3.14	-18.19	20.52
Return for \$100 feed	\$ 130	\$ 196	\$ 147	\$ 131	\$ 184	\$ 162	\$ 193	\$ 92	\$ 48	\$ 180
Price received per cwt. sold	\$8.74	\$10.08	\$12.47	\$14.52	\$15.32	\$15.91	\$18.44	\$24.76	\$20.23	\$25.82
Price paid per cwt. bought	**	10.43	12.61	13.59	12.13	14.59	16.62	21.31	23.33	25.07
Per cent death loss	3.5	2.8	2.9	3.4	3.1	3.0	2.4	4.1	**	**
Pounds of sheep produced	6490	16,487	12,938	9500	6982	11,034	7220	5486	2831	5839

* The number of feeder lamb enterprise records were too small during 1949 and 1951 to secure averages.

** Information not available.

Table 40. Feed Costs and Returns from Turkeys, 1940 - 1946*

Year	1940	1941	1942	1943	1944	1945	1946
Number of farms	12	10	8	6	8	6	3
Feed per cwt. turkeys produced, lbs.:							
Grain	334	295	381	452	338	361	345
Commercial feeds	<u>209</u>	<u>196</u>	<u>183</u>	<u>161</u>	<u>187</u>	<u>197</u>	<u>174</u>
Total concentrates	543	491	564	613	525	558	519
Skim milk and buttermilk	36	1	-	-	-	-	-
Feed cost per cwt. produced	\$ 7.27	\$ 8.26	\$11.40	\$14.96	\$14.88	\$14.89	\$15.80
Value of produce per cwt. produced:							
Eggs and poults	\$ 1.65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net increase in turkeys	<u>11.36</u>	<u>17.89</u>	<u>25.49</u>	<u>27.27</u>	<u>25.15</u>	<u>27.06</u>	<u>31.93</u>
Total value produced	\$13.01	\$17.89	\$25.49	\$27.27	\$25.15	\$27.06	\$31.93
Return above feed cost per cwt. produced	\$5.74	\$9.63	\$14.09	\$12.31	\$10.27	\$12.17	\$16.13
Return for \$100 of feed	\$ 179	\$ 217	\$ 224	\$ 182	\$ 169	\$ 182	\$ 202
Price received per pound sold (cts.)	14.4	18.4	29.1	32.0	34.5	32.5	37.2
Number poults placed on feed	**	**	**	**	**	1963	2243
Price paid per poult (cts.)	**	**	**	**	**	96.3	81.1
Weight per bird sold	**	**	**	**	**	19.4	18.0
Per cent death loss	**	**	**	**	**	16.1	14.8
Pounds produced	25,124	22,455	33,675	29,062	28,517	30,747	33,361

* The number of turkey enterprise records secured during the period 1947 - 1951 were too small to secure averages.

** Information not available.

Table 41. Feed Costs for Horses, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Number of farms	163	160	161	155	153	145	122	102	83	58	40	32
Feed per horse, pounds:												
Grain	2093	1989	1933	1747	1149	905	730	755	444	426	826	527
Hay	3459	2621	2852	2868	2231	1827	1667	1760	2367	1258	2014	1039
Fodder and stover	183	202	294	51	63	68	96	36	166	108	133	-
Feed cost per horse:												
Grain	\$16.74	\$19.12	\$23.72	\$30.28	\$22.57	\$15.81	\$15.31	\$20.95	\$12.70	\$ 8.31	\$10.59	\$13.24
Roughage	9.35	8.53	9.19	13.11	13.08	10.79	10.56	14.44	17.68	9.92	18.15	8.05
Pasture	3.65	4.15	4.15	4.48	4.93	5.50	6.96	7.69	7.09	5.84	8.91	9.70
Total feed costs	29.74	31.80	37.06	47.87	40.58	32.10	32.83	43.08	37.47	24.07	37.65	30.99
Number of work horses	4.2	4.2	4.1	3.9	3.5	3.3	3.0	2.7	2.6	2.3	2.7	1.9
Number of colts and ponies	1.0	1.0	.7	.8	.6	.4	.2	.1	-	-	.1	.2

Table 42. Miscellaneous Power and Machinery Expense, 1940 - 1951

Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
Crop acres per farm	213.1	222.7	218.5	211.9	191.3	202.5	200.2	185.6	196.6	196.8	203.3	198.3
Expenses per crop acre:												
Power	\$1.88	\$2.16	\$2.44	\$3.04	\$3.54	\$3.46	\$3.57	\$4.20	\$4.64	\$4.54	\$4.48	\$4.56
Crop and general machinery	1.11	1.22	1.67	1.89	2.30	2.34	2.73	3.57	4.12	4.65	4.87	5.07