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UNIVERSITY OF MINNESOTA

Department of Agriculture  
and  
UNITED STATES DEPARTMENT OF AGRICULTURE

Bureau of Agricultural Economics  
and the  
County Extension Services of

Cottonwood, Faribault, Jackson, Martin, Murray, Nobles, Redwood,  
Rock, and Watonwan Counties

and the

Southwest Minnesota Farm Management Association  
Cooperating

- - - 0 - - -

Annual Report  
of the  
Southwestern Minnesota  
Farm Management Service

1951

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Cooperator: \_\_\_\_\_

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University Farm  
St. Paul 1, Minnesota

May 1952

# ANNUAL REPORT OF THE SOUTHWEST MINNESOTA FARM MANAGEMENT SERVICE, 1951

Prepared by T. R. Nodland, H. G. Routhe and G. A. Pond

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## INTRODUCTION

The Division of 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 the county extension services of several southwestern Minnesota Counties are cooperating with the Southwest Minnesota Farm Management Association in maintaining a farm management service. The Association was organized in the fall of 1939 by farmers in that part of the state for the purpose of studying the farm business through farm records. Each farmer pays an annual fee which covers a part of the cost. The balance of the cost is defrayed by the University of Minnesota and the United States Department of Agriculture.

The analysis of the records and the preparation of the report are handled by the Division of Agricultural Economics under the direction of G. A. Pond and T. R. Nodland. Extension work in connection with the project is handled by S. B. Cleland of the Agricultural Extension Division. David S. Johnson was the field agent for this project. At the end of the year, R. L. Dennistoun, S. A. Engene and Neils Rorholm of the Division of Agricultural Economics aided in closing the records. County agricultural extension agents who cooperate in this project include H. J. Vossen, Fred Geisler, Roland Abraham, Victor John-

son, Milton Brown, A. B. Hagen, Ross Huntsinger, J. I. Swedberg, Howard Newell, Ralph Nelson, and John Ankeny.

The officers for the Southwest Farm Management Association of 1951 were :  
 President; Herbert Johnson, Hadley, Murray County  
 Vice-President; Delmar Soderholm, Reading, Nobles County  
 Secretary-Treasurer; Arthur Foster, Garvin, Murray County

The board of directors include these officers and also the following:  
 Walter Schmotzer, Cottonwood County; Orval Paschke, Faribault County; Arthur L. Hansen and Charles A. Winzer, Jackson County; Donald Jensen, Martin County; John Bos and Albert Roetman, Nobles County; Anton Johnson and Leonard Larson, Redwood County; and Jacob Sells, Rock County.

The following tabulation shows by counties the numbers of members who Completed records in 1951.

Cottonwood	5	Martin	7	Redwood	22
Faribault	16	Murray	20	Rock	4
Jackson	18	Nobles	46	Watsonwan	3
				Total	141

In the tables on page 3 and succeeding pages are shown data for 122 farms. Thirteen farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis. Six records were not returned for analysis following completion of income tax schedules.

Because the farmers included in this study are, in general, above the average in managerial ability and operate larger and more productive farms, they have returns materially higher than the average for this section of the state. There were, nevertheless, wide variations in the methods and practices followed by these men. It is reasonable to assume that similar variations occur among all farmers in the area. To the extent that this is true, this report should be of value to all farmers and to others interested in agriculture in that it illustrates how farm records may be used as a basis for making an analysis of a farm business and for improving the management of a farm.

Table 1. Monthly and Annual Precipitation

	Worthington		Fairmont		Tracy	
	Precip-itation Inches	Departure from normal Inches	Precip-itation Inches	Departure from normal Inches	Precip-itation Inches	Departure from normal Inches
January	.48	- .15	.58	- .22	.13	- .42
February	1.72	+ .95	2.75	+1.78	1.42	+ .78
March	3.18	+1.92	2.99	+1.58	2.86	+1.69
April	1.78	- .30	4.59	+2.36	2.81	+ .92
May	4.10	+ .16	3.05	- .87	4.78	+1.86
June	5.54	+1.25	10.14	+6.00	3.93	- .18
July	2.80	- .59	1.70	-1.86	2.24	- .55
August	3.72	- .04	6.64	+3.09	3.92	+ .84
September	2.92	- .49	5.72	+2.40	3.12	+ .28
October	1.48	- .21	1.26	- .59	1.70	+ .04
November	.27	- .94	.47	- .92	.43	- .54
December	.96	+ .25	.91	+ .01	.92	+ .33
1951 Total	28.91	+1.81	40.80	+12.76	28.26	+5.05
1950 Total	21.24	-5.86	26.54	-1.50	21.38	-1.83
1949 Total	23.51	-3.59	23.81	-4.23	19.08	-4.13
1948 Total	27.01	-0.09	29.03	+0.99	---	---
1947 Total	25.89	-1.21	30.49	+2.45	26.63	+3.42
Norm. An. Prec.	27.10		28.04		23.21	

Table 2. Summary of Farm Inventories, 1951\*

Items	Your farm		Average of 122 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			256	
Size of business (work units)**			529	
Dairy and dual purpose cows			\$774	\$793
Other dairy & dual purpose cattle			528	699
Beef cattle (incl. feeders)			5679	6954
Hogs			2906	3032
Sheep (including feeders)			520	1058
Poultry (including turkeys)			242	258
Productive livestock (total)			10649	12794
Horses			40	38
Crop, seed and feed			7161	6613
Power mach. (farm share)			3279	3455
Crop & general mach.			3920	4194
Livestock equipment & supplies			544	572
Mach. & equipment (total)			7743	8221
Miscellaneous				
Buildings, fences, etc.			9683	10171
Land			18312	18312
Total farm capital			53588	56149

  

Items	24 most profitable farms		24 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	352		211	
Size of business (work units)**	779		420	
Dairy and dual purpose cows	\$667	\$679	\$582	\$695
Other dairy & dual purpose cows	362	506	465	515
Beef cattle (incl. feeders)	12360	13001	4722	5209
Hogs	4714	5482	2248	2221
Sheep (including feeders)	1124	2022	106	1449
Poultry (including turkeys)	263	273	222	249
Productive livestock (total)	19490	21963	8345	9338
Horses	50	55	32	24
Crop, seed, and feed	11468	11152	5607	4487
Power mach. (farm share)	4415	4739	2532	2508
Crop & general mach.	5471	5907	3155	3412
Livestock equipment & supplies	759	828	491	529
Mach. & equipment (total)	10645	11474	6178	6449
Buildings, fences, etc.	12307	13163	9144	9442
Land	22497	22497	17079	17079
Total farm capital	76457	80304	46385	46819

\*For the purpose of comparison, all the data shown in this report with the exception of Tables 5 and 6 are presented on a full-owner basis. The assets, expenses and receipts of the landlord were included in the records from rented farms.

\*\*See page 20 for and explanation of "work units".

Table 3. Summary of Farm Earnings (Cash Statement), 1951

Items	Your farm	Average of 122 farms	24 most profitable farms	24 least profitable farms
<b>FARM RECEIPTS</b>				
Dairy and dual-purpose cows		\$ 427	\$ 460	\$ 201
Dairy products		1015	1162	793
Other dairy and dual-purpose cattle		354	313	179
Beef cattle (including feeders)		9411	22289	6333
Hogs		7930	13938	5626
Sheep and wool (including feeders)		753	1533	414
Poultry (including turkeys)		838	2499	263
Eggs		1055	1020	1010
Horses		6	7	6
Corn		997	1203	687
Small grain		1240	1982	675
Other crops		901	1661	448
Machinery & equip. sold		644	924	472
Agricultural adjustment payments		72	97	66
Income from work off the farm		398	318	226
Miscellaneous		130	161	118
(1) Total farm sales		26171	49567	17517
(2) Increase in farm capital		2561	3847	434
(3) Family living from the farm		708	852	594
(4) Total farm receipts (1)+(2)+(3)		29440	54266	18545
<b>FARM EXPENSES</b>				
Dairy and dual-purpose cows bought		\$ 91	\$ 30	\$ 117
Other dairy and dual-pur. cattle bot.		161	96	97
Beef cattle bot. (incl. feeders)		5581	12002	3399
Hogs bought		395	497	309
Sheep bought (incl. feeders)		881	1772	640
Poultry bought (including turkeys)		246	646	97
Horses bought		5	13	3
Misc. Livestock expense		391	778	322
Misc. crop expenses		995	1417	775
Feed bought		4973	9450	4069
Custom work hired		406	452	316
Mech. power mach. (farm share) (new)		1063	1535	696
Mech. power mach. (farm share) (upkp.)		309	432	259
Mech. power (F. share)(gas, oil, etc.)		1027	1456	879
Crop and general mach. (new)		1121	1585	957
Crop and general mach. (upkeep)		306	481	214
Livestock equipment (new)		157	244	158
Livestock equipment (upkeep)		142	263	121
Buildings and fencing (new)		1082	1753	788
Buildings and fencing (upkeep)		286	401	276
Hired labor		910	1778	618
Taxes		565	783	492
General farm and insurance		242	315	236
(5) Total farm purchases		21335	38179	15838
(6) Decrease in farm capital		--	--	--
(7) Interest on farm capital		2743	3919	2330
(8) Unpaid family labor		367	428	248
(9) Board furnished hired labor		79	126	78
(10) Total farm exp.(sum of (5) to (8))		24524	42652	18494
(11) Oper. labor earnings (4)-(10)		4916	11614	51

Table 4. Summary of Farm Earnings (Enterprise Statement) 1951\*

Items	Your farm	Average of 122 farms	24 most profitable farms	24 least profitable farms
<b>RETURNS AND NET INCREASES</b>				
Dairy and dual purpose cows	_____	\$ 1242	\$ 1486	\$ 948
Other dairy & dual pur. cattle	_____	647	592	385
Beef breeding herd	_____	1078	1661	919
Feeder cattle	_____	4108	9499	2494
Hogs	_____	7761	14333	5358
Sheep-farm flock	_____	305	331	102
Sheep-feeders	_____	105	329	15
Turkeys	_____	471	1746	---
Chickens	_____	1278	1228	1280
All productive livestock	_____	16995	31205	11501
Crops, seed, and feed	_____	- 3375	- 6343	- 4144
Agricultural conservation payments	_____	72	97	66
Income from labor off the farm	_____	241	211	181
Miscellaneous	_____	322	336	280
(1) Total returns & net increases	_____	14255	25506	7884
<b>EXPENSES AND NET DECREASES</b>				
Horses	\$ _____	\$ 18	\$ 23	\$ 10
Tractor	_____	885	1295	722
Truck	_____	277	532	258
Auto (farm share)	_____	421	436	400
Elec. and gas engine exp.(f. share)	_____	148	200	137
Hired power	_____	149	186	120
Total power	_____	1898	2672	1647
Crop and general machinery	_____	995	1389	843
Livestock equipment	_____	260	421	241
Buildings, fencing, and tiling	_____	770	1154	686
Misc. productive livestock expense	_____	392	778	322
Labor	_____	1474	2461	1036
Real estate taxes	_____	439	601	390
Personal property tax	_____	126	182	102
Insurance	_____	77	111	71
General farm	_____	165	204	165
Interest on farm capital	_____	2743	3919	2330
(2) Total expenses & net decreases	_____	9339	13892	7833
(3) Oper. labor earnings (1)-(2)	_____	4916	11614	51

\* Cash receipts and expenses are adjusted for changes in inventory for each enterprise and for each item of expense in order to show total receipts and net increases, and total expenses and net decreases. The operator's labor earnings are the same as those on page 4.

Table 5. Net Worth Statement for Those Farmers Who Kept a Complete Record  
Of All Assets and Liabilities, 1951 (Operator's Share)

	Your farm		21 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			226	
Owned			226	
Rented			--	
Total farm capital			\$47918	\$49867
Accounts receivable			1307	1484
Stocks and bonds			5997	6122
Life insurance			2344	2538
Outside real estate			4773	4903
Other outside investments			807	788
Total outside investments			13921	14351
Cash on hand and in bank			1292	1567
Other household & personal assets			2793	2868
Total cash, household & personal assets			4085	4435
<b>TOTAL ASSETS</b>			67231	70137
Federal Land Bank Mortgage			2449	2636
Other mortg. on land operated			3605	3333
Mortgages on other real estate			381	333
Production Credit Association			1867	2201
Crop loans			1120	286
Other chattel mortgages			719	1267
Notes payable			1674	1676
Accounts payable			280	409
<b>TOTAL LIABILITIES</b>			12095	12141
Farmer's net worth			55136	57996
Gain in net worth				* 2860

  

	10 Part Owners*		22 Renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm	285		236	2
Owned	144		--	
Rented	141		236	
Total farm capital	\$45958	\$49073	\$18415	\$20573
Accounts receivable	96	120	362	431
Stocks and bonds	5524	5066	2065	1813
Life insurance	1563	1640	968	1345
Outside real estate	248	248	345	406
Other outside investments	414	463	160	229
Total outside investments	7749	7417	3538	3793
Cash on hand and in bank	788	1538	1068	1108
Other household and personal assets	2279	2362	2547	2794
Total cash, household & personal assets	3067	3900	3615	3902
<b>TOTAL ASSETS</b>	56870	60510	25930	28699
Federal Land Bank Mortgage	985	956	----	----
Other mortg. on land operated	1974	2040	----	----
Mortgages on other real estate	----	----	----	----
Production Credit Association	844	1276	400	662
Crop loans	1183	437	35	----
Other chattel mortgages	----	----	1293	1670
Notes payable	4707	5575	1266	1742
Accounts payable	191	235	362	405
<b>TOTAL LIABILITIES</b>	9884	10519	3356	4479
Farmer's net worth	46986	49991	22574	24220
Gain in net worth		+ 3005		+ 1646

\*3 rented for cash, 4 cash and crop share and 3 crop share

\*\*4 rented for cash, 11 cash and crop share, 1 crop share and 6 livestock share.



Table 6. Summary of Farm Earnings by Tenure, 1951 (Operator's Share)

	Your farm	21 owners	10 part owners	22 renters
<b>FARM RECEIPTS</b>				
Dairy and dual-purpose cows		\$ 345	\$ 545	\$ 293
Dairy products		1135	1252	923
Other dairy and dual-purpose cattle		397	686	340
Beef cattle (including feeders)		7451	8264	4501
Hogs		10034	9241	5551
Sheep and wool (including feeders)		162	1370	781
Poultry (including turkeys)		1017	240	286
Eggs		1104	1044	810
Horses		5	5	2
Corn		1020	1364	371
Small grain		993	942	374
Other crops		725	1394	403
Machinery & equip. sold		612	636	639
Agricultural adjustment payments		77	151	54
Income from work off the farm		203	406	397
Misc.		246	78	52
(1) Total farm sales		25526	27618	15777
(2) Increase in farm capital		1949	3115	2158
(3) Family living from the farm		741	762	628
(4) Total farm receipts (1)+(2)+(3)		28216	31495	18563
<b>FARM EXPENSES</b>				
Dairy and dual-purpose cows bought		52	102	86
Other dairy & dual-pur. cattle bought		29	164	288
Beef cattle bought (incl. feeders)		4355	3794	2176
Hogs bought		508	352	342
Sheep bought (including feeders)		166	2119	909
Poultry bought (including turkeys)		193	136	138
Horses bought		6	---	8
Misc. livestock expenses		479	635	303
Misc. crop expenses		866	1271	829
Feed bought		5273	4420	3015
Custom work hired		402	406	451
Mech. power mach. (farm share) (new)		1264	842	997
Mech. power mach. (farm share) (upk.)		276	474	299
Mech. power (f. share) (gas, oil, etc.)		973	1131	844
Crop and general mach. (new)		1049	658	1178
Crop and general mach. (upkeep)		231	313	265
Livestock equipment (new)		127	113	155
Livestock equipment (upkeep)		160	192	133
Land, buildings and fencing (new)		1548	2249	28
Buildings and fencing (upkeep)		369	341	133
Hired labor		1026	1181	648
Taxes (real estate & pers. property)		548	390	95
General farm and insurance		278	287	215
Cash rent		---	494	502
Interest paid		553	481	173
(5) Total farm purchases		20731	22545	14210
(6) Decrease in farm capital		---	---	---
(7) Interest on farm capital		1892	1895	802
(8) Unpaid family labor		371	396	271
(9) Board furnished hired labor		67	91	46
(10) Total farm exp. (sum of (5) to (9))		23061	24927	15329
(11) Operator's labor earnings (4)-(10)		5155	6568	3234
(12) Ret. Cap. & fam. lab. (7)+(8)+(11)		7418	8859	4307

Table 7. Household and Personal Expenses and Receipts for Those Farms Which Kept Complete Accounts of These Expenses, 1951

Items	Your farm	Average of 57 farms	11 most profitable farms	11 least profitable farms
Number of persons in family	_____	4.2	4.3	4.6
Number of adult equivalents in family	_____	3.1	3.2	3.3
Number of other adult equivalents*	_____	.3	.3	.4
<b>EXPENSES</b>				
Food and meals bought	\$ _____	\$779	\$804	\$811
Operating and supplies	_____	314	394	327
Clothing and clothing materials	_____	355	412	318
Personal care, personal spending	_____	121	229	86
Furnishings and equipment	_____	344	478	328
Education, recreation and development	_____	206	425	230
Medical care and health insurance	_____	267	440	242
Church, welfare, gifts	_____	375	743	418
Personal share of auto expense	_____	135	169	176
Household share of elect. & gas eg. exp.	_____	77	80	87
H.H.&Pers.shr.of new auto,gas, eg.&not.bot.	_____	81	44	69
Total cash living expenses	_____	3054	4218	3092
State and federal income tax	_____	507	546	308
Insurance	_____	303	361	133
Total household and pers. cash exp.	_____	3864	5125	3533
Food furnished by the farm	_____	421	426	464
Fuel furnished by the farm	_____	3	9	3
House rental	_____	345	285	266
Total cash expenses and perquisites	_____	4633	5845	4266
Pur. of stocks, bonds, and other invest.	_____	\$120	\$409	\$116
<b>RECEIPTS</b>				
Sale of outside investments	_____	34	---	170
Income from outside investments	_____	300	389	297
Misc. income	_____	162	119	391

\*Hired help or others boarded

Table 8. Family Living from the Farm, 1951

Items	Your farm	Average of 121 farms	Your farms	Average of 121 farms *
No. of adult equiv. (fam. oth.**)	_____	3.2 .2	_____	
Whole milk	_____	705 qts.	_____	\$47.43
Skin milk	_____	119 qts.	_____	1.81
Cream	_____	72 pts.	_____	16.95
Farm made butter	_____	-	_____	.15
Cattle	_____	368 lbs.	_____	108.50
Hogs	_____	487 lbs.	_____	100.94
Sheep	_____	3 lbs.	_____	.95
Poultry	_____	102 lbs.	_____	22.81
Eggs	_____	159 doz.	_____	62.06
Potatoes	_____	2 bus.	_____	3.44
Vegetables & fruits	_____		_____	42.75
Farm fuel	_____		_____	1.64
Rental value of house	_____		_____	304.92
<b>Total</b>	_____		_____	<b>\$714.35</b>

\*One operator did not maintain a household  
 \*\*Hired help or others boarded.

CUMULATIVE EFFECT OF EXCELLING IN A NUMBER OF MANAGEMENT FACTORS

Studies of earnings of farmers in this area show that there are seven major management factors causing variations in earnings among farmers within a given year. These seven factors are (1) crop yields, (2) choice of crops, (3) returns from livestock, (4) amount of livestock, (5) size of business, (6) work accomplishments per worker, and (7) control over expenses. The combined or cumulative influence of these seven management factors on earnings is shown in Table 9. The farmer's earnings are determined to a considerable extent by his accomplishments in these seven factors.

Table 9. Relation of Operator's Labor Earnings to the Number of Factors in which the Farmer Excels

No. of factors in which farmer excels	No. of farms	Your farm	The length of the shaded lines is in proportion to the average operator's labor earnings	Average Operator's labor earnings
None or 1	18	_____	XXXXXXXX	\$1713
2 or 3	48	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	3643
4 or 5	42	_____	XX	6804
6 or 7	14	_____	XX	7735

The array in Table 9 indicates that it will be worth while for each cooperator to study carefully his ranking on pages 10 and 11, and learn his standing in respect to each of the above factors and the elements of strength and weakness in his farm business.

Table 10. Measures of Farm Organization and Management Efficiency, 1951

Measures used in chart on page 11	Your farm	Average of 122 farms	24 most profit- able farms	24 least profit- able farms
Operator's labor earnings	\$ _____	\$4916	\$11614	\$51
(1) Crop yields*	_____	100	107	90
(2) % of tillable land in high ret. crops**	_____	60.2	65.1	57.4
(3) Ret. for \$100 feed to prod. livestock***	_____	100	112	90
(4) Prod. livestock units per 100 acres****	_____	31.7	42.4	26.0
(5) Size of business - work units	_____	529	779	420
(6) Work units per worker	_____	311	354	280
(7) Pow., mach., equip., & bldg. exp. per work unit	\$ _____	\$7.75	\$7.65	\$8.63
Items related to some of the above measures:				
(3) Index of return for \$100 feed from -				
Dairy cattle (see pages 16 & 17)	_____	100	102	74
Dual-purpose cattle (see pp. 16 & 17)	_____	100	-	104
Beef cattle - breeding herd (see p. 15)	_____	100	110	97
Beef cattle - feeders (see page 15)	_____	100	103	78
Hogs (see page 14)	_____	100	117	82
Sheep - farm flock (see page 18)	_____	100	97	187
Sheep - feeders	_____	100	-	-
Turkeys	_____	100	-	-
Chickens (see page 19)	_____	100	107	99
(4) Number of animal units	_____	73.0	127.9	54.4
(5) Work units on crops	_____	182	252	146
Work units on productive livestock	_____	313	497	248
Other work units	_____	34	30	26
(6) Number of family workers	_____	1.3	1.3	1.2
Number of hired workers	_____	.4	.9	.3
Total number of workers	_____	1.7	2.2	1.5
(7) Power expense per work unit	\$ _____	\$3.81	\$3.70	\$4.21
Crop machinery expense per work unit	_____	1.97	1.83	2.19
Livestock equip. expense per work unit	_____	.49	.56	.55
Bldgs. & fencing exp. per work unit	_____	1.48	1.56	1.68

\*Given as a percentage of the average.

\*\*Crops are marked in Table 11 as (A), (B), (C), and (D). All of acres in (A) crops, one half of acres in (B) crops, and one fourth of acres in (C) crops are used in calculating per cent of tillable land in high return crops.

\*\*\*An index weighted by the animal units of livestock.

\*\*\*\*Acres in timber not pastured, roads, waste and farmstead were not included.

Thermometer Chart

Using your figures from page 10, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 122 farms included in this summary are located between the dotted lines across the center of this page.

Oper. labor earnings	Crop yields	High return crops	Return from productive livestock	Pr. L.S. units per 100 acres	Work units	Work units per worker	Pow., mach. eq., & bldgs exp. per work unit
\$12900	132	84.0	140	55.5	850	470	\$2.95
11900	128	81.0	135	52.5	810	450	3.55
10900	124	78.0	130	49.5	770	430	4.15
9900	120	75.0	125	46.5	730	410	4.75
8900	116	72.0	120	43.5	690	390	5.35
7900	112	69.0	115	40.5	650	370	5.95
6900	108	66.0	110	37.5	610	350	6.55
5900	104	63.0	105	34.5	570	330	7.15
.....	.....	.....	.....	.....	.....	.....	.....
4900	100	60.0	100	31.5	530	310	7.75
.....	.....	.....	.....	.....	.....	.....	.....
3900	96	57.0	95	28.5	490	290	8.35
2900	92	54.0	90	25.5	450	270	8.95
1900	88	51.0	85	22.5	410	250	9.55
900	84	48.0	80	19.5	370	230	10.15
-100	80	45.0	75	16.5	330	210	10.75
-1100	76	42.0	70	13.5	290	190	11.35
-2100	72	39.0	65	10.5	250	170	11.95

Table 11. Distribution of Acres in Farm and Yield of Crops, 1951

Crop: (A), (B), (C) and (D) refer to ranking used in calculating % of tillable land in high return crops (see page 10)	No. growing this crop	Acres in farm		Crop Yields per acre	
		Your farm	Average of 122 farms	Your farm	Average of farms growing each crop
Canning peas (A)	4	—	.5	—	\$24.70
Flax (C)	69	—	14.4	—	9.8 bu.
Barley (D)	41	—	10.7	—	23.2 bu.
Oats and oat mixtures (D)	117	—	40.5	—	47.7 bu.
Wheat, rye or millet (D)	4	—	.3	—	
Total small grain and peas	121	—	66.4		
Hybrid seed corn, potatoes & truck crops (A)	5	—	.2	—	
Corn grain (A)	122	—	79.2	—	38.3 bu.
Corn or sorghum silage (B)	55	—	5.8	—	7.5 tons
Sweet corn (B)	3	—	.4	—	1.2 tons
Soybeans for grain (B)	61	—	14.9	—	16.4 bu.
Corn or sorghum fodder (D)	2	—	.2	—	2.1 tons
Total cultivated crops	122	—	100.7		
Alfalfa hay (A)	110	—	23.0	—	2.5 tons
Soybean hay (C)	1	—	—	—	
Mixed legumes & non-legumes (C)	35	—	4.1	—	1.7 tons
Legumes for seed (C)	6	—	1.0	—	66 lbs.
Timothy and/or brome hay & seed (D)	9	—	.4	—	1.6 tons
Misc. hay and seed (D)	2	—	.2	—	
Total tillable land in hay	121	—	28.7		
Alfalfa and mixtures inc. alf. (A)	61	—	8.7		
Other legumes and mixtures (C)	25	—	4.3		
Sudan grass and/or rape (C)	11	—	.4		
Other tillable pasture (D)	30	—	2.4		
Total tillable land in pasture	92	—	15.8		
Tillable land not cropped (D)	18	—	2.8		
Total tillable land	122	—	214.4		
Wild or phalaris hay (non-tillable)	35	—	2.5	—	.6 tons
Non-tillable pasture	73	—	21.8		
Roads, waste and timber		—	9.0		
Farmstead		—	8.6		
Total acres in farm			256.3		
% land tillable			83.7		
% tillable land in high return crops			60.2		

Table 12. Average Price of Feeds, 1951

Item	Value	Item	Value
Ear corn, per bu.	\$1.36	Alfalfa hay, per ton	\$19.00
Oats, per bu.	.81	Red or alsike clov.hay, per ton	16.00
Barley, per bu.	1.23	Soybean hay, per ton	16.00
Wheat, per bu.	2.20	Timothy, per ton	11.00
Bran, per cwt.	3.20	Wild hay, per ton	9.50
Linseed oilmeal, per cwt.	4.00	Corn fodder, per ton	8.55
Soybean oilmeal, per cwt,	4.00	Corn silage, per ton	6.00
Tankage, per cwt.	6.15	Pasture, per mo. per an. unit	1.50
		Skimmilk, per cwt.	.40

Table 13. Power and Machinery Expenses Per Crop Acre, 1951

Items	Your farm	Average	24 most	24 least
		of 122 farms	profitable farms	profitable farms
Crop acres per farm		198.3	273.3	158.4
Tractor and horse exp. per crop acre		\$4.56	\$5.02	\$4.53
Crop & gen. mach. exp. per crop acre		5.07	5.16	5.41

#### TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 14. This differs from the "return over feed" shown in the enterprise statement in that it is the total for each class of livestock instead of a return "per head" "per unit" or "per 100 pounds". These data indicate the relative importance of different classes of livestock as a source of income and as a market for feed. The total return is the same as the returns and net increases shown on page 5. The value of milk consumed by calves is included in the total returns from dairy or dual purpose cows and in the total feed cost for other dairy or other dual purpose cattle. The return over feed is not a net return, but rather the amount available from the gross income, after paying the feed bill, to cover the outlay for hired labor, power, equipment, taxes, insurance, interest and veterinary bills and to provide a return for the use of family labor and capital.

Feed is the largest single item of cost for all classes of livestock. However the proportion of the total cost represented by feed varies considerably between classes of livestock. Feed makes up approximately 45 per cent of the total costs of maintaining dairy cattle and poultry, 50 per cent in the case of a farm flock of sheep and 75 to 90 per cent for hogs, feeder cattle and feeder lambs. Consequently, it is necessary to secure a relatively higher return over feed from dairy cattle and poultry than from the other livestock enterprises in order to be able to cover all the costs other than feed.

Table 14. Total Feed Costs and Returns from Your livestock Enterprises, 1951

	Dairy or dual purpose cattle			Beef	
	Cows	Other	All	breeding Herd	feeder cattle
Total returns	_____	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____	_____
		Sheep			
	Hogs	Farm flock	feeders	Turkeys	Chickens
Total returns	_____	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____	_____

Table 15. Feed Costs and Returns from Hogs, 1951

Items	Your farm	Average of 111 farms	22 farms highest in returns above feed	22 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.:				
Corn	_____	353	305	472
Small grain	_____	108	89	143
Commercial feeds	_____	50	46	60
Total concentrates	_____	511	440	675
Skim milk and buttermilk	_____	26	37	47
Feed cost per cwt. hogs produced:				
Concentrates	\$ _____	\$13.83	\$11.96	\$18.33
Skim milk and buttermilk	_____	.11	.15	.21
Pasture	_____	.23	.23	.27
TOTAL FEED COSTS	\$ _____	14.17	12.34	18.81
Net increase in val. per cwt. hogs prod.	_____	19.02	22.85	16.83
RETURNS ABOVE FEED COST PER CWT. HOGS PROD.	\$ _____	4.85	10.51	-1.98
RETURNS FOR \$100 OF FEED	\$ _____	\$141	\$188	\$ 92
Price received per cwt. hogs sold	\$ _____	\$19.61	\$22.55	\$19.11
No. of spring litters raised	_____	19.2	21.3	13.7
No. of fall litters raised	_____	6.8	10.4	4.4
Total no. of litters raised	_____	26.0	31.7	18.1
No. of pigs born per litter	_____	8.2	8.3	8.0
No. of pigs weaned per litter	_____	6.6	6.4	6.4
Pounds of hogs produced	_____	43637	49762	27514



TABLE 16. Feed Costs and Returns from Beef Cattle, 1951

Items	Your farm	Average of all farms	Farms highest in returns above feed	Farms lowest in returns above feed
Beef breeding herd: No. of farms:		27	13	13
<b>Feeds per animal unit, lbs.:</b>				
Concentrates	_____	2378	2737	1918
Legume	_____	2468	2576	2339
Other hay	_____	746	638	874
Fodder and stover	_____	473	945	38
Silage	_____	3790	3662	4062
<b>Feed cost per animal unit:</b>				
Concentrates	\$ _____	\$62.02	\$71.66	\$49.05
Roughages	_____	41.86	44.58	40.49
Milk*	_____	.03		.06
Pasture	_____	10.94	11.12	10.98
TOTAL FEED COSTS	_____	114.85	127.36	100.58
<b>Value of produce per animal unit:</b>				
Dairy products	\$ _____	\$13.98	\$ 7.16	\$21.62
Net increase in value of animals	_____	230.93	323.41	136.92
TOTAL VALUE PRODUCED	_____	244.91	330.57	158.54
RETURNS ABOVE FEED COST PER ANIMAL UNIT	\$ _____	\$130.06	\$203.21	\$57.96
RETURNS FOR \$100 OF FEED	\$ _____	\$222	\$277	\$170
Number of cows and herd bulls	_____	15.6	15.7	14.6
Number of animal units in the herd	_____	20.0	21.0	17.7
Lbs. beef produced	_____	12274	14784	8709
Feeder Cattle: No. of farms		53	18	18
<b>Feeds per cwt. beef produced, lbs.:</b>				
Corn	_____	625	430	860
Small grain	_____	32	26	42
Commercial feeds	_____	48	46	58
Legume hay	_____	278	296	352
Other hay	_____	67	53	95
Fodder and stover	_____	3	3	9
Total concentrates	_____	705	502	960
Total hay and fodder	_____	348	349	456
Silage	_____	480	383	670
<b>Feed cost per cwt. beef produced:</b>				
Concentrates	\$ _____	\$18.16	\$13.36	\$24.41
Roughages	_____	4.40	4.03	5.83
Pasture	_____	.88	.99	.90
TOTAL FEED COSTS	_____	23.44	18.38	31.14
Net increase in value of feeders	_____	36.44	42.69	30.98
RETURNS ABOVE FEED COST PER CWT. BEEF PROD.	_____	13.00	24.31	11.16
RETURNS FOR \$100 OF FEED	\$ _____	\$178	\$247	\$100
Price recd. per cwt. beef sold	\$ _____	\$33.73	\$33.72	\$33.36
Price pd. for feeder cattle bot.	_____	33.84	34.00	33.06
No. of animal units	_____	48.4	49.6	40.3
Pounds of beef produced	_____	25033	24703	19417

\*Some farmers had both dairy cows and beef cows and fed milk produced by the milking herd to beef calves.

Table 17. Factors of Cost and Returns from Dairy and Dual Purpose Cows, 1951

	Your farm	Average of 41 dairy herds	Average of 11 dual purpose herds
Pounds of butterfat per cow		280	169
Price rec. per lb. B.F. sold (cts.)		83.7	75.1
As manufacturing cream (cts.)		75.6	74.8
Other (cents)		97.4	78.4
Feeds per cow, lbs.:			
Corn		1924	1718
Small grain		981	551
Commercial feeds		397	320
Legume hay		4272	3022
Other hay		229	247
Fodder and stover		#	-
Total concentrates		3302	2589
Total dry roughage		4501	3269
Silage		4980	3250
Feed cost per cow:			
Concentrates	\$	\$83.14	\$59.88
Roughages		60.08	41.53
Pasture		7.63	7.45
TOTAL FEED COSTS	\$	150.85	108.86
Value of produce per cow:			
B.F. sales	\$	\$218.28	\$106.31
Dairy produce used in house		13.59	16.06
Milk to livestock		15.41	15.20
Net increases in value of cows		42.76	37.94
TOTAL VALUE PRODUCED	\$	290.04	175.51
RETURNS ABOVE FEED COST PER COW	\$	139.19	66.65
RETURNS FOR \$100 OF FEED	\$	219	179
Feed cost per lb. B.F. (cts.)		53.9	64.4
Number of cows*		10.6	5.8

\*All dairy cows which have at some time in the past freshened are included in the dairy herd, and affect the average number of cows used in computing this table. There is some variation in the number of months of dry period per cow; however, this variation is small for the majority of farms.

Table 18. Feed Costs and Returns from Other Dairy and Dual Purpose Cattle, 1951

Items	Your farm	Average of 38 dairy herds*	Average of 10 dual purpose herds*
Feeds per head, lbs.:			
Concentrates	_____	795	1029
Hay and fodder	_____	1720	1314
Silage	_____	1533	1114
Skim milk	_____	423	396
Whole milk	_____	274	155
TOTAL FEED COSTS PER HEAD	\$ _____	\$56.43	\$49.31
Net inc. in value of other dairy cattle	_____	\$111.94	\$93.39
RETURNS ABOVE FEED COST PER HEAD	\$ _____	\$55.51	\$44.08
RETURNS FOR \$100 OF FEED	\$ _____	219	244
Number of head of other dairy cattle	_____	15.5	11.6

Table 20. Feed Costs and Returns from All Dairy and Dual Purpose Cattle, 1951

Items	Your farm	Average of 41 dairy herds	Average of 11 dual purpose herds
Feeds per animal unit, lbs.:			
Concentrates	_____	2575	2248
Hay and fodder	_____	3944	2843
Silage	_____	4239	2715
TOTAL FEED COSTS PER ANIMAL UNIT	\$ _____	\$124.84	\$94.83
Value of produce per animal unit:			
Dairy products	\$ _____	\$142.61	\$67.73
Net inc. in value of dairy cattle	_____	109.75	100.97
TOTAL VALUE PRODUCED	\$ _____	252.36	168.70
RETURNS ABOVE FEED PER ANIMAL UNIT	\$ _____	\$127.52	\$73.87
RETURNS PER \$100 OF FEED	\$ _____	\$219	\$194
Animal units of dairy cattle	_____	19.5	11.4

\*Some farmers having both a milking herd and a beef herd, used a beef bull, and included all the young stock in the beef herd.

Table 20. Feed Costs and Returns from a Farm Flock of Sheep, 1951

Items	Your farm	Average of 25 farms	12 farms	12 farms
			highest in returns above feed	lowest in returns above feed
Feeds per head* lbs.				
Concentrates	_____	141	128	158
Legume hay	_____	229	174	263
Other hay	_____	32	56	11
Fodder and stover	_____	15	-	31
Silage	_____	114	134	103
Feed cost per head:				
Concentrates	\$ _____	\$3.59	\$3.28	\$4.00
Roughages	_____	2.71	2.35	2.89
Pasture	_____	1.29	1.41	1.16
TOTAL FEED COSTS	\$ _____	7.59	7.04	8.05
Value of produce per head:				
Wool	\$ _____	\$6.25	\$6.83	\$5.60
Net increase in value of sheep	_____	14.67	20.32	8.73
TOTAL VALUE PRODUCED	\$ _____	20.92	27.15	14.33
RETURNS ABOVE FEED COST PER HEAD	\$ _____	13.33	20.11	6.28
RETURNS FOR \$100 OF FEED	\$ _____	\$371	\$545	\$204
Price per cwt. of lambs sold	\$ _____	\$29.93	\$30.02	\$29.90
Price per lb. wool sold (cts.)	_____	100.0	98.0	101.5
Pounds of wool per sheep sheared	_____	8.8	9.4	8.1
Number of ewes kept for lambing	_____	42	33	53
% lamb crop**	_____	115	120	106
% death loss**	_____	9.0	5.9	12.3
Pounds of sheep produced	_____	4481	3534	5555
No. of head of sheep*	_____	72.9	49.9	98.6

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

\*\*Lambs which die during month of birth are not included.

Table 21. Feed Costs and Returns from Chickens, 1951\*

Items	Your farm	Average of 98 farms	20 farms highest in return above feed	20 farms lowest in return above feed
Feed per hen, lbs.:				
Grain	_____	103	95	132
Commercial feeds	_____	45	59	41
Total concentrates	_____	148	154	173
Skin milk and buttermilk	_____	3	1	5
TOTAL FEED COST PER HEN	\$ _____	\$4.85	\$5.26	\$5.52
Value of produce per hen:				
Eggs sold and used in house	_____	\$5.91	\$8.24	\$4.66
Net increase in value of chickens	_____	1.03	1.83	.05
TOTAL VALUE PRODUCED	\$ _____	6.94	10.07	4.71
RETURNS ABOVE FEED COST PER HEN	\$ _____	\$2.09	\$4.81	\$-.81
RETURNS FOR \$100 OF FEED	\$ _____	\$152	\$202	\$88
Price rec'd per doz. eggs sold (cts.)	_____	40.4	42.3	39.3
Eggs laid per hen	_____	176	244	142
Ave. no. of hens on farm during year	_____	222	248	168
% of hens that are pullets	_____	87	99	83
% death loss of hens	_____	12	10	12
Number of chicks started:				
Straight run	_____	153	200	58
Pullets	_____	225	273	208
Cockerels	_____	60	28	6
Lbs. chickens produced	_____	1193	1819	693

\*Includes feeds and returns from laying flock and rearing flock.

Table 22. Feed Cost and Returns from Laying Hens, 1951

Items	Your farm	Average of 30 farms
Feed per hen, lbs.:		
Grain	_____	78
Commercial feeds	_____	30
Total concentrates	_____	108
Skin milk	_____	2
Total feed cost per hen	\$ _____	\$3.41
Value of produce per hen:		
Eggs sold and used in home	\$ _____	\$6.11
Less depreciation and death loss	_____	-.48
Total value produced	_____	5.63
Return above feed cost per hen	\$ _____	\$2.22
Return for \$100 of feed	\$ _____	\$165
Eggs laid per hen	_____	179
Price rec'd per doz. eggs sold (cts.)	_____	40.7
Ave. no. hens on farm during year	_____	291
No. of hens on hand beginning of year	_____	344
% death loss	_____	12.6
% of hens that are pullets	_____	90

Table 23. Feed Costs and Returns from Chicks, 1951

Items	Your farm	Average of 29 farms
Feed per 100 chicks raised, lbs.:		
Grain	_____	1232
Commercial feeds	_____	936
Total concentrates	_____	2168
Skim milk	_____	-
Total feed cost per 100 chicks raised	\$ _____	\$77.07
Net increase in val. per 100 chicks	_____	83.78
Return over feed cost per 100 chicks	_____	6.71
Return for \$100 of feed	\$ _____	\$109
Number of chicks bot:		
Pullets	_____	203
Straight run	_____	296
Cockerels	_____	25
Price paid per 100 chicks bot:		
Pullets	\$ _____	\$36.22
Straight run	_____	18.64
Cockerels	_____	7.59
Per cent death loss	_____	16
Number chicks raised	_____	527
Price rec'd per pound sold (cts.)	_____	23.5
Pounds of poultry produced	_____	2186

EXPLANATION OF "WORK UNITS"

The total "work units" for any one farm is a measure of the size of that farm business. A work unit as used in this report is the average accomplishment of a farm worker, in a ten hour day, working on crops and productive livestock at average efficiency or ten hours of work off the farm for pay. The number of work units for each class of livestock and each acre of crop are presented in Table 24.

Table 24. Number of Work Units for Each Class of Livestock and Each Acre of Crop

Item	No. of work units	Item	No. of work units
Dairy and dual pur. cows	14.0 per cow	Small grain	.7 per acre
Other dairy & du. pur. cattle	4.0 per an. unit*	Sugar beets	3.0 per acre
Beef breeding herd	5.0 per an. unit*	Sweet corn	2.3 per acre
Feeder cattle	.35 per 100 lbs.	Corn husked	1.1 per acre
Sheep - farm flock	1.8 per an. unit*	Corn, hogged	.7 per acre
Sheep - feeders	.4 per 100 lbs.	Corn, shredded	2.2 per acre
Hogs	.3 per 100 lbs.	Corn, silage	1.7 per acre
Turkeys	.7 per 100 lbs.	Corn, fodder	1.0 per acre
Hens	22.0 per 100 hens	Alfalfa hay	.9 per acre
Canning peas	2.0 per acre	Soybean hay	1.4 per acre
Soybeans for grain	.7 per acre	Other hay crops	.6 per acre

\* Animal unit represents one dairy cow or bull, two other dairy cattle, 1 1/4 beef cows or bull, 1 feeder steer or heifer, 3 1/3 other beef cattle, 7 sheep, 14 lambs, 2 1/2 hogs, 5 pigs, 50 hens or 1100 pounds of turkeys produced.

Table 25 Summary of Farm Earnings by Years

Items	Average										
	1940-41	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
No. of farms	166	165	164	163	153	142	137	136	131	139	122
Total farm capital	\$34669	\$37728	\$37602	\$ 36000	\$35876	\$36810	\$39671	\$44143	\$46452	\$50869	\$54869
Mo. charge for unpd. fam. lab.*	48	60	75	85	90	110	130	130	130	130	130
Mo. charge for board to hired lab.*	19	25	25	25	25	30	36	36	36	36	36
<b>FARM EXPENSES</b>											
Dairy and dual-pur. cattle bot.	107	\$141	\$135	\$112	\$118	\$237	\$135	\$170	\$214	\$321	\$252
Beef cattle bot. (incl. feeders)	1504	1718	1187	1109	1390	1754	1916	2341	2733	4120	5581
Hogs bot.	156	339	408	315	377	382	646	389	441	478	395
Sheep bot. (incl. feeders)	550	866	694	321	600	464	301	97	365	543	881
Poultry bot. (incl. turkeys)	97	138	165	200	195	164	156	133	179	164	246
Horses bot.	32	49	33	43	15	14	14	11	2	6	5
Misc. livestock expense	90	148	199	173	194	198	270	273	304	328	391
Misc. crop expenses	273	377	507	582	575	750	1055	1112	851	966	995
Feed bought	1362	2235	3080	2164	2416	2669	4014	3926	2929	3807	4973
Custom work hired	145	199	215	261	292	300	394	421	375	382	406
Power mach. (new)	412	256	180	337	200	449	847	1173	1116	1164	1063
Power mach. (upkeep gas, oil, etc)	454	533	617	699	817	963	1116	1277	1233	1308	1336
Crop and gen. mach. (new)	368	387	221	332	414	601	897	1328	1319	1248	1121
Crop and gen. mach. (upkeep)	77	135	157	174	195	258	290	368	310	292	306
Livestock equipment (new)	99	134	138	91	78	97	122	108	88	124	157
Livestock equipment (upkeep)	26	57	87	78	94	92	114	131	126	125	142
Buildings and fencing (new)	423	327	236	297	370	409	754	941	908	741	1082
Buildings and fencing (upkeep)	115	156	168	192	219	268	311	413	384	331	286
Hired labor	477	622	739	651	636	723	796	944	872	843	910
Taxes	325	355	335	311	311	367	378	459	499	534	565
Insurance	24	35	40	41	41	49	61	71	56	78	77
General farm	57	60	72	80	84	108	112	140	146	146	165
Total farm purchases	7173	9267	9613	8563	9631	11316	14699	16226	15450	18049	21335
Decrease in farm capital	-	-	-	412	-	-	-	-	-	-	-
Interest on farm capital	1733	1886	1880	1800	1794	1841	1984	2207	2323	2543	2743
Unpaid family labor	270	360	335	316	322	363	422	421	356	360	367
Board furnished hired labor	151	143	147	118	83	105	116	127	102	99	79
Total farm exp.	\$ 9327	\$11656	\$11975	\$11209	\$11830	\$13625	\$17221	\$18981	\$18231	\$21051	\$24524

\*These adjustments should be considered in comparing 1951 results with previous years.

Table 25. Summary of Farm Earnings by years (continued)

Items	Avg. 1940-41	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
<b>FARM RECEIPTS</b>											
Dairy and dual-purpose cattle	328	\$ 446	\$ 419	\$ 392	\$ 473	\$ 515	\$ 688	\$ 616	\$ 572	\$ 904	\$ 781
Dairy products	664	804	916	865	906	1083	1031	1046	874	885	1015
Beef cattle (incl. feeders)	2886	3860	3590	2478	3777	3711	4248	4508	4988	6438	9411
Hogs	1734	4336	5630	4671	4484	6166	8662	8207	6358	6801	7930
Sheep and wool (incl. feeders)	751	1402	968	768	926	834	766	421	308	810	753
Poultry (including turkeys)	384	598	622	829	659	620	444	418	485	590	838
Eggs	289	589	905	911	977	993	1043	1108	1052	790	1055
Horses	41	47	45	47	27	24	28	25	12	14	6
Corn	496	625	724	578	587	814	1183	1498	1606	1542	997
Small grain	991	1120	1382	669	949	1446	2436	3818	1626	1694	1240
Other crops	261	366	510	600	673	878	911	1160	772	677	901
Machinery and equipment sold	264	133	137	185	251	363	383	355	470	446	644
agri. adjustment payment	505	503	264	74	51	121	61	65	29	57	72
Income from work off the farm	195	163	137	183	295	343	344	306	277	290	398
Miscellaneous	235	166	185	197	48	67	83	124	66	112	130
Total farm sales	\$10074	\$15158	\$16434	\$13447	\$15083	\$17978	\$22311	\$23675	\$19495	\$22050	\$26171
Increase in farm capital	1898	2102	2	-	314	3223	5634	1542	1260	5214	2561
Family living from farm	511	584	588	572	635	679	667	702	649	669	708
Tot. farm rec.	\$12483	\$17844	\$17024	\$14019	\$16032	\$21800	\$28612	\$25919	\$21404	\$27933	\$29440
Total farm expenses	9327	11656	11975	11209	11830	13625	17221	18981	18231	21051	24524
Oper. lab. earn.	3156	6188	5049	2810	4202	8255	11391	6938	3173	6882	4916
<b>MEAS. OF FARM ORG. AND MANAGEMENT</b>											
% high return crops*	36.2	38.9	40.3	54.2	55.7	55.4	56.9	55.7	58.3	54.4	60.2
Livestock units per 100 A.	23.4	24.7	25.1	21.4	22.1	20.7	20.1	19.5	19.3	20.0	31.7
Work units	600	624	586	530	535	514	483	489	483	502	529
Work units per worker	264	281	279	279	297	286	284	272	284	295	311
Expenses per work unit	\$2.24	\$2.90	\$3.52	\$4.20	\$4.52	\$5.08	\$6.39	\$7.41	\$7.75	\$8.01	\$7.75
<b>ACRES PER FARM</b>											
Crop acres per farm	287	291	280	268	268	260	243	250	249	257	256
<b>YIELDS PER ACRE</b>											
Flax, bu.	12.9	11.5	9.5	6.0	13.8	13.3	13.4	15.2	12.9	15.1	9.8
Barley, bu.	36.0	24.0	10.7	18.8	44.3	33.4	28.9	39.3	24.4	38.0	23.2
Oats, bu.	43.3	44.8	34.3	36.3	51.8	42.1	42.0	53.0	42.7	47.0	47.7
Corn, grain bu.	51.1	57.4	39.6	49.6	33.5	53.1	40.4	63.1	49.1	44.9	38.3
Corn silage, ton	9.0	10.3	8.5	7.5	7.1	8.9	6.9	10.1	9.2	8.7	7.5
Alfalfa hay, ton	2.0	2.5	2.3	2.0	2.1	2.1	2.2	2.1	2.0	2.0	2.5

\* The crop ratings used in calculating the percentage of the tillable land in high return crops was changed considerably in 1944.



Table 26. Summary of Miscellaneous Items by Years

Items	Avg. 1940-41	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
<b>RETURN ABOVE FEED COST PER:</b>											
Dairy cow	\$49.96	\$70.13	\$69.86	\$69.45	\$92.30	\$121.08	\$104.00	\$151.25	\$106.36	\$130.70	\$139.19
Dual-purpose cow	32.81	54.28	41.21	46.01	61.28	94.26	58.91	65.54	49.92	63.97	66.65
Animal unit in beef breed. herd	21.63	35.53	18.54	12.20	24.00	42.12	53.27	62.42	50.51	85.59	130.06
100 lbs. feeder cattle prod.	3.46	3.64	1.43	3.56	7.38	8.59	9.10	10.49	8.78	17.09	13.00
Head of sheep in farm flock	4.62	5.61	3.37	3.00	4.86	10.97	6.71	9.90	8.58	14.29	13.33
100 lbs. feeder sheep prod.	5.07	6.67	4.24	10.85	9.44	18.02	-3.14	-18.19	-	20.52	-
100 lbs. hogs produced	3.19	7.61	29.3	3.31	5.23	7.68	9.09	5.07	4.37	6.85	4.85
Hen	1.16	2.07	2.48	1.71	2.63	2.27	1.47	1.95	2.44	.83	2.09
100 lbs. turkeys produced	7.69	14.09	12.31	10.27	12.17	16.13	-	-	-	3.31	-
<b>FEED COST PER:</b>											
Dairy cow	\$49.81	\$62.99	\$88.03	\$88.04	\$92.68	103.69	148.42	140.00	121.28	136.67	150.85
Dual-purpose cow	39.52	48.55	70.09	68.02	78.02	87.82	121.01	122.80	97.55	123.55	108.86
Animal unit in beef breed. herd	31.72	34.55	46.58	49.92	52.84	58.59	89.20	71.66	69.21	82.24	114.85
100 lbs. of feeder cattle prod.	8.61	13.27	17.25	15.06	15.62	18.03	29.24	26.34	19.08	20.13	23.44
Head of sheep in farm flock	2.68	3.01	4.14	3.78	4.33	4.74	6.81	6.95	5.25	7.06	7.59
100 lbs. feeder sheep produced	7.77	14.23	13.85	12.98	15.15	19.30	38.18	34.89	-	25.51	-
100 lbs. hogs produced	4.92	6.76	9.89	10.32	9.04	11.95	16.64	15.80	11.05	12.03	14.17
Hen	1.31	2.15	3.17	3.46	3.53	3.95	4.99	4.99	3.94	4.35	4.85
100 lbs. turkeys produced	7.77	11.40	14.96	14.88	14.89	15.80	-	-	-	20.51	-
<b>MISC. LIVESTOCK INFORMATION</b>											
No. of work horses	4.2	4.0	3.7	3.3	3.1	2.6	2.0	1.6	1.1	.8	.6
No. of colts and ponies	1.0	.7	.7	.6	.3	.2	.1	-	-	-	.1
No. of dairy or dual-pur. cows	8.9	8.6	7.6	6.6	6.1	5.7	5.2	4.8	4.6	4.6	4.5
Head in beef breeding herd	9.2	9.9	10.7	13.5	10.8	10.7	8.0	9.0	8.3	8.0	8.9
Lbs. feeder cattle produced	11383	10119	8483	5315	7695	6083	5717	7117	6768	8699	10852
Litters of pigs	15.3	20.1	25.4	16.7	19.4	18.1	19.5	20.2	20.3	22.7	23.4
Lbs. of hogs produced	24443	34522	39596	29054	33994	34524	34163	35651	33129	37633	39702
No. of hens	167	196	223	230	215	210	200	200	185	186	180
<b>Lbs. of butterfat per:</b>											
Dairy cow	252	250	251	226	242	244	259	258	284	277	280
Dual purpose cow	185	190	182	172	182	191	185	172	170	213	169
No. of pigs weaned per litter	6.3	6.3	6.0	5.9	6.2	6.4	6.1	6.6	6.5	6.5	6.6
% lamb crop	110	109	105	94	99	108	110	111	117	113	115
Eggs per hen	115	135	146	157	163	174	170	170	177	175	176

Table 26. Summary of Miscellaneous Items by Years (continued)

Items	avg. 1940-41	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951
<b>PRICE RECEIVED PER:</b>											
Lb. B. F. to creameries	\$ .34	\$ .42	\$ .53	\$ .58	\$ .62	\$ .76	\$ .76	\$ .85	\$ .66	\$ .66	\$ .75
100 lbs. fat cattle	9.47	12.22	13.68	13.83	14.95	16.54	23.45	29.12	24.50	27.24	33.73
100 lbs. feeder sheep	9.41	12.47	14.52	15.32	15.91	18.44	24.76	29.23	-	25.82	-
Pound of wool	.34	.41	.41	.41	.42	.43	.37	.42	.42	.55	1.00
100 lbs. of hogs	7.11	13.13	13.80	13.12	14.27	17.17	24.66	23.29	18.29	17.93	19.61
Dozen eggs	.18	.28	.39	.31	.35	.34	.38	.40	.39	.30	.40
Pounds of turkeys	.16	.29	.32	.34	.32	.37	-	-	-	.29	-
<b>PRICE OF FEED</b>											
Corn, bu.	\$ .51	\$ .68	\$ .91	\$ .92	\$ .86	\$1.14	\$1.54	\$1.64	\$1.02	\$1.20	\$1.36
Oats, bu.	.29	.41	.60	.70	.64	.70	.90	.88	.59	.72	.81
Barley, bu.	.35	.52	.77	.92	.94	1.22	1.80	1.59	.99	1.20	1.23
Alfalfa hay, ton	8.00	8.00	11.00	15.00	15.00	16.00	22.00	20.00	20.00	21.00	19.00
Timothy hay, ton	5.13	5.15	6.75	9.00	9.00	9.60	12.50	11.60	11.60	12.20	11.00
Corn silage, ton	2.33	2.75	3.62	5.00	5.00	5.50	8.00	5.85	6.00	6.70	6.00
Bran, cwt.	1.35	2.10	2.10	2.20	2.18	2.70	3.20	4.00	2.80	2.80	3.20
Linseed oilmeal, cwt.	1.88	2.40	2.55	2.85	2.88	3.30	4.25	4.55	4.00	3.95	4.00
Tankage, cwt.	2.85	4.10	4.00	4.18	4.10	5.10	6.75	6.45	6.25	6.30	6.15
Soybean meal, cwt.	1.90	2.75	2.80	3.15	3.00	3.80	4.80	5.10	4.05	3.95	4.00