

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

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Annual Report
of the
Southwestern Minnesota
Farm Management Service
1950

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ANNUAL REPORT OF THE SOUTHWEST MINNESOTA FARM MANAGEMENT SERVICE, 1950

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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 and J. B. McNulty of the Agricultural Extension Division. David S. Johnson was the field agent for this project. At the end of the year, Wm. E. McDaniel 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 Johnson, Milton Brown, A. B. Hagen, Ross Huntsinger, J. I. Swedberg, Howard Newell, Robert Roufs and Ralph Nelson.

The officers for the Southwest Farm Management Association for 1950 were:
 President; Goodwin Fresk, Hadley, Murray County
 Vice-President; Vernie Widboom, Worthington, Nobles County
 Secretary-Treasurer; Arthur Foster, Garvin, Murray County

The board of directors include these officers and also the following:
 Walter Schmotzer, Cottonwood County; Floyd Peter, Faribault County; Arthur L. Hansen and Charles A. Winzer, Jackson County; Donald Jensen, Martin County; Lyle Eide 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 1950.

Cottonwood	6	Martin	7	Redwood	19
Faribault	18	Murray	23	Rock	8
Jackson	25	Nobles	45	Watsonwan	<u>2</u>
				Total	<u>153</u>

In the tables on page 3 and succeeding pages are shown data for 139 farms. Ten farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis. Four 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	Departure from normal	Precip-itation	Departure from normal	Precip-itation	Departure from normal
	Inches	Inches	Inches	Inches	Inches	Inches
January	.68	+ .05	1.42	+ .62	.53	- .02
February	.35	- .42	.82	- .15	.26	- .38
March	1.38	+ .12	1.48	+ .07	1.70	+ .53
April	.89	-1.19	1.57	- .66	2.99	+1.10
May	3.65	- .29	4.12	+ .20	4.97	+2.05
June	3.54	- .75	1.93	-2.21	1.28	-2.83
July	4.98	+1.59	7.15	+3.59	1.72	-1.07
August	.61	-3.15	1.97	-1.58	1.14	-1.94
September	3.10	- .31	3.61	+ .29	3.56	+ .72
October	1.20	- .49	.74	-1.11	1.94	+ .28
November	.47	- .70	.65	- .74	.65	- .32
December	.39	- .32	1.08	+ .18	.64	+ .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, 1950*

Items	Your farm		Average of 139 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			257	
Size of business (work units)**			502	
Dairy and dual purpose cows			\$683	\$805
Other dairy & dual purpose cattle			431	588
Beef cattle (incl. feeders)			3534	5222
Hogs			2343	3035
Sheep (including feeders)			343	512
Poultry (including turkeys)			298	242
Productive livestock (total)			7632	10404
Horses			50	39
Crop, seed and feed			6038	7432
Power mach. (farm share)			2870	3315
Crop & general mach. (farm share)			3612	4065
Livestock equipment & supplies			542	548
Mach. & equipment (total)			7024	7928
Buildings, fences, etc.			9999	10154
Land			17518	17518
Total farm capital			48261	53475

Items	28 most profitable farms		28 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	374		239	
Size of business (work units)**	679		461	
Dairy and dual purpose cows	\$605	\$684	\$605	\$790
Other dairy & dual purpose cows	387	492	321	434
Beef cattle (incl. feeders)	6570	10837	2135	3666
Hogs	3389	4481	2551	2850
Sheep (including feeders)	582	1043	325	326
Poultry (including turkeys)	238	229	610	233
Productive livestock (total)	11771	17766	6547	8299
Horses	66	63	24	11
Crop, seed, and feed	9412	12190	5960	6487
Power mach. (farm share)	3536	4319	2777	2932
Crop & general mach.	4966	5746	3422	3680
Livestock equipment & supplies	722	764	518	452
Mach. & equipment (total)	9224	10829	6717	7064
Buildings, fences, etc.	12690	13330	10629	10255
Land	21896	21896	18353	18353
Total farm capital	65059	76074	48230	50469

*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 21 for an explanation of "work units".

Table 3. Summary of Farm Earnings (Cash Statement), 1950

Items	Your farm	Average of 139 farms	28 most profitable farms	28 least profitable farms
FARM RECEIPTS				
Dairy and dual-purpose cows		\$ 450	\$ 410	\$ 565
Dairy products		885	886	690
Other dairy & dual-purpose cattle		454	582	277
Beef cattle (including feeders)		6438	14110	4109
Hogs		6801	11012	6494
Sheep and wool (including feeders)		810	1606	439
Poultry (including turkeys)		590	500	1556
Eggs		790	724	783
Horses		14	3	16
Corn		1542	2472	1586
Small grain		1694	2770	1339
Other crops		677	833	659
Machinery & equip. sold		446	808	421
Agricultural adjustment payments		57	77	52
Income from work off the farm		290	361	75
Miscellaneous		112	107	104
(1) Total farm sales		22050	37261	19165
(2) Increase in farm capital		5214	11015	2239
(3) Family living from the farm		669	873	609
(4) Total farm receipts (1)+(2)+(3)		27933	49149	22013
FARM EXPENSES				
Dairy and dual-purpose cows bought		\$ 147	\$ 50	\$ 485
Other dairy and dual-pur. cattle bot.		174	92	138
Beef cattle bot. (incl. feeders)		4120	9891	3594
Hogs bought		478	588	682
Sheep bought (incl. feeders)		543	1359	157
Poultry bought (including turkeys)		164	173	251
Horses bought		6	4	2
Misc. livestock expense		328	540	342
Misc. crop expenses		966	1359	1090
Feed bought		3807	5500	4679
Custom work hired		382	449	387
Mech. power mach. (farm share) (new)		1164	1711	794
Mech. power mach. (farm share) (upkp.)		311	363	330
Mech. power (F. share) (gas, oil, etc.)		997	1281	1011
Crop and general mach. (new)		1248	1994	945
Crop and general mach. (upkeep)		292	380	320
Livestock equipment (new)		124	173	110
Livestock equipment (upkeep)		125	185	130
Buildings and fencing (new)		741	1303	397
Buildings and fencing (upkeep)		331	477	293
Hired labor		843	1728	600
Taxes		534	760	513
General farm and insurance		224	295	217
(5) Total farm purchases		18049	30655	17467
(6) Decrease in farm capital		-	-	-
(7) Interest on farm capital		2543	3528	2467
(8) Unpaid family labor		360	330	304
(9) Board furnished hired labor		99	154	79
(10) Total farm exp. (sum of (5) to (8))		21051	34667	20317
(11) Oper. labor earnings (4)-(10)		6882	14482	1696

Table 4. Summary of Farm Earnings (Enterprise Statement) 1950*

Items	Your farm	Average of 139 farms	28 most Profitable farms	28 least Profitable farms
<u>RETURNS AND NET INCREASES</u>				
Dairy and dual purpose cows	_____	\$1186	\$1305	\$ 912
Other dairy & dual pur. cattle	_____	759	847	415
Beef breeding herd	_____	857	662	849
Feeder cattle	_____	3203	7939	1292
Hogs	_____	7091	11630	6178
Sheep-farm flock	_____	302	442	257
Sheep-feeders	_____	131	254	26
Turkeys	_____	253	287	824
Chickens	_____	977	834	963
All productive livestock	_____	14759	24200	11716
Crops, seed, and feed	_____	512	1960	-1702
Agricultural conservation payments	_____	57	77	52
Income from labor off the farm	_____	155	198	24
Miscellaneous	_____	300	370	296
(1) Total returns & net increases	_____	15783	26805	10386
<u>EXPENSES AND NET DECREASES</u>				
Horses	\$ _____	\$22	\$40	\$2
Tractor	_____	872	1027	985
Truck	_____	294	457	237
Auto (farm share)	_____	391	383	379
Elec. and gas engine exp.(f. share)	_____	122	146	114
Hired power	_____	140	175	135
Total power	_____	1841	2228	1852
Crop and general machinery	_____	980	1304	953
Livestock equipment	_____	234	310	285
Buildings, fencing, and tiling	_____	791	989	958
Misc. productive livestock expense	_____	328	540	342
Labor	_____	1426	2369	1103
Real estate taxes	_____	426	611	418
Personal property tax	_____	108	149	95
Insurance	_____	78	120	72
General farm	_____	146	175	145
Interest on farm capital	_____	2543	3528	2467
(2) Total expenses & net decreases	_____	8901	12323	8690
(3) Oper. labor earnings (1)-(2)	_____	6882	14482	1696

*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, 1950 (Operator's Share)

	Your farm		26 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			240	
Owned			240	
Rented			-	
Total farm capital			\$45355	\$50719
Accounts receivable			2328	1281
Stocks and bonds			3252	3068
Life insurance			1543	1800
Outside real estate			2095	2111
Other outside investments			442	447
Total outside investments			7332	7426
Cash on hand and in bank			1545	2453
Other household & personal assets			2328	2831
Total cash, household & personal assets			3873	5284
TOTAL ASSETS			58888	64710
Federal Land Bank Mortgage			1841	1780
Other mortg. on land operated			4027	3763
Mortgages on other real estate			346	385
Production Credit Association			928	1572
Crop loans			1067	813
Other chattel mortgages			181	581
Notes payable			1285	2025
Accounts payable			285	495
TOTAL LIABILITIES			9960	11414
Farmer's net worth			48928	53296
Gain in net worth				+4368

	11 Part Owners*		18 Renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm	249		245	
Owned	108		-	
Rented	141		245	
Total farm capital	\$36250	\$41451	\$16415	\$19808
Accounts receivable	32	16	549	486
Stocks and bonds	2591	2489	2586	2365
Life insurance	1794	1952	532	680
Outside real estate	682	682	141	12
Other outside investments	251	280	233	261
Total outside investments	5318	5403	3492	3318
Cash on hand and in bank	936	651	1168	946
Other household and personal assets	2547	2887	2174	2489
Total cash, household & personal assets	3483	3538	3342	3435
TOTAL ASSETS	45083	50408	23798	27047
Federal Land Bank Mortgage	1417	1587	-	-
Other mortg. on land operated	2761	3640	-	-
Mortgages on other real estate	-	-	-	-
Production Credit Association	-	-	459	453
Crop loans	1978	1845	59	42
Other chattel mortgages	530	436	1106	1374
Notes payable	2654	2382	1223	1368
Accounts payable	278	526	246	156
TOTAL LIABILITIES	9618	10416	3093	3393
Farmer's net worth	35465	39992	20705	23654
Gain in net worth		+4527		+2949

* 5 rented for cash, 3 cash and crop share and 3 crop share

**4 rented for cash, 9 cash and crop share, 2 crop share and 3 livestock share.

Table 6. Summary of Farm Earnings by Tenure, 1950 (Operator's Share)

	Your farm	26 owners	11 part owners	18 renters
FARM RECEIPTS				
Dairy and dual-purpose cows		\$353	\$451	\$443
Dairy products		1029	1178	1133
Other dairy and dual-purpose cattle		385	968	538
Beef cattle (including feeders)		8428	1282	2015
Hogs		7983	6798	6472
Sheep and wool (including feeders)		240	1136	160
Poultry (including turkeys)		586	158	479
Eggs		908	768	594
Horses		7	23	11
Corn		948	1365	576
Small grain		1530	1205	660
Other crops		682	642	400
Machinery & equip. sold		445	338	413
Agricultural adjustment payments		78	52	40
Income from work off the farm		322	476	324
Misc.		171	229	38
(1) Total farm sales		24095	17069	14296
(2) Increase in farm capital		5364	5201	3393
(3) Family living from the farm		729	702	564
(4) Total farm receipts (1)+(2)+(3)		30188	22972	18253
FARM EXPENSES				
Dairy and dual-purpose cows bought		\$47	\$3	\$89
Other dairy & dual-pur. cattle bought		60	332	175
Beef cattle bought (incl. feeders)		4607	1383	1287
Hogs bought		385	756	261
Sheep bought (including feeders)		14	177	113
Poultry bought (including turkeys)		194	97	140
Horses bought		3	13	11
Misc. livestock expenses		424	400	282
Misc. crop expenses		891	828	854
Feed bought		4530	2105	3281
Custom work hired		371	429	343
Mech. power mach. (farm share) (new)		1423	761	791
Mech. power mach. (farm share) (upk.)		340	326	259
Mech. power (f. share)(gas, oil, etc.)		949	939	901
Crop and general mach. (new)		1015	1525	1156
Crop and general mach. (upkeep)		267	223	284
Livestock equipment (new)		79	64	166
Livestock equipment (upkeep)		100	132	147
Land, buildings and fencing (new)		1666	947	69
Buildings and fencing (upkeep)		498	335	132
Hired labor		1031	636	768
Taxes (real estate & pers. property)		542	344	83
General farm and insurance		264	240	181
Cash rent		-	503	779
Interest paid		390	325	112
(5) Total farm purchases		20090	13823	12664
(6) Decrease in farm capital		-	-	-
(7) Interest on farm capital		2012	1618	794
(8) Unpaid family labor		332	307	192
(9) Board furnished hired labor		145	74	68
(10) Total farm exp. (sum of (5) to (9))		22579	15822	13718
(11) Operator's labor earnings (4)-(10)		7609	7150	4535
(12) Ret. cap. & fam. lab. (7)+(8)+(11)		9953	9075	5521

Table 7. Household and Personal Expenses and Receipts for
Those Farms Which Kept Complete Accounts of These Expenses, 1950

Items	Your farm	Average of 59 farms	12 most profitable farms	12 least profitable farms
Number of persons in family	_____	4.1	4.3	4.1
Number of adult equivalents in family	_____	3.0	3.1	3.0
Number of other adult equivalents*	_____	.3	.4	.4
<u>EXPENSES</u>				
Food and meals bought	\$ _____	\$712	\$689	\$677
Operating and supplies	_____	275	368	233
Clothing and clothing materials	_____	320	403	309
Personal care, personal spending	_____	134	116	187
Furnishings and equipment	_____	394	534	321
Education, recreation and development	_____	179	355	88
Medical care and health insurance	_____	222	296	210
Church, welfare, gifts	_____	283	619	134
Personal share of auto expense	_____	131	148	126
Household share of elect. & gas eg. exp.	_____	69	85	58
H.H.&Pers.shr.of new auto,gas, eg. & mot.bot.	_____	257	626	133
Total cash living expenses	_____	2976	4239	2476
State and federal income tax	_____	464	977	174
Insurance	_____	330	447	211
Total household and pers. cash exp.	_____	3770	5663	2861
Food furnished by the farm	_____	337	434	256
Fuel furnished by the farm	_____	7	14	1
House rental	_____	332	390	248
Total cash expenses and perquisites	_____	4446	6501	3366
Pur. of stocks, bonds, and other invest.	_____	\$621	\$221	\$797
<u>RECEIPTS</u>				
Income from outside investments	_____	415	547	162
Misc. income	_____	251	140	540

*Hired help or others boarded

Table 8. Family Living from the Farm, 1950

Items	Your farm	28 most		28 least		28 most		28 least	
		Average of 139 farms	profit-able farms	profit-able farms	profit-able farms	Average of 139 farms	profit-able farms	profit-able farms	profit-able farms
No. of adult equiv. (fam. oth.*)	_____	3.0	3.3	2.9	_____	_____	_____	_____	_____
	_____	.3	.5	.3	_____	_____	_____	_____	_____
Whole milk	_____	737 qts.	909	486	_____	\$48.10	\$57.92	\$35.06	_____
Skim milk	_____	142 qts.	179	74	_____	1.65	.87	.59	_____
Cream	_____	83 pts.	85	72	_____	17.63	17.75	14.84	_____
Farm made butter	_____	2 lbs.	1	-	_____	1.47	.39	.07	_____
Cattle	_____	399 lbs.	589	258	_____	91.82	147.99	74.07	_____
Hogs	_____	441 lbs.	651	417	_____	75.18	113.80	67.72	_____
Sheep	_____	1 lbs.	3	-	_____	.36	.92	-	_____
Poultry	_____	81 lbs.	72	74	_____	17.27	13.24	15.55	_____
Eggs	_____	147 doz.	172	107	_____	50.24	52.78	59.82	_____
Potatoes	_____	3 bus.	8	1	_____	4.01	10.96	.60	_____
Vegetables & fruits	_____	_____	_____	_____	_____	43.15	35.57	42.25	_____
Farm fuel	_____	_____	_____	_____	_____	4.18	6.07	.36	_____
Rental value of house	_____	_____	_____	_____	_____	313.64	415.00	297.65	_____
Total	_____	_____	_____	_____	_____	668.70	873.26	608.58	_____

*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 accomplishment 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	21	_____	XXXXXXXXXXXXXXXXXXXX	\$3801
2 or 3	57	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6846
4 or 5	49	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	7545
6 or 7	12	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	9732

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, 1950

Measures used in chart on page 11	Your farm	Average of 139 farms	28 most profit- able farms	28 least profit- able farms
Operator's labor earnings	\$ _____	\$6882	\$14482	\$1696
(1) Crop yields*	_____	100	103	95
(2) % of tillable land in high ret.crops**	_____	54.4	56.3	52.8
(3) Ret. for \$100 feed to prod. livestock***	_____	100	104	94
(4) Prod. livestock units per 100 acres****	_____	20.0	21.9	17.2
(5) Size of business- work units	_____	502	679	461
(6) Work units per worker	_____	295	309	288
(7) Pow., mach., equip., & bldg. exp. per work unit	\$ _____	\$8.01	\$7.16	\$9.53

Items related to some of the above measures:

(3) Index of return for \$100 feed from -				
Dairy cattle (see pages 16 & 17)	_____	100	112	107
Dual-purpose cattle (see pp. 16 & 17)	_____	100	-	106
Beef cattle - breeding herd(see p.18)	_____	100	115	84
Beef cattle - feeders (see page 18)	_____	100	98	102
Hogs (see page 15)	_____	100	102	88
Sheep - farm flock (see page 19)	_____	100	116	110
Sheep - feeders (see page 19)	_____	100	-	-
Turkeys	_____	100	-	-
Chickens (see page 20)	_____	100	90	95
(4) Number of animal units	_____	47.3	74.3	39.6
(5) Work units on crops	_____	182	257	174
Work units on productive livestock	_____	294	389	283
Other work units	_____	26	33	4
(6) Number of family workers	_____	1.2	1.3	1.2
Number of hired workers	_____	.5	.9	.4
Total number of workers	_____	1.7	2.2	1.6
(7) Power expense per work unit	\$ _____	\$3.90	\$3.31	\$4.43
Crop machinery expense per work unit	_____	2.04	1.98	2.30
Livestock equip. expense per work unit	_____	.45	.44	.59
Bldgs. & fencing exp. per work unit	_____	1.62	1.43	2.21

*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 139 farms included in this summary are located between the dotted lines across the center of this page.

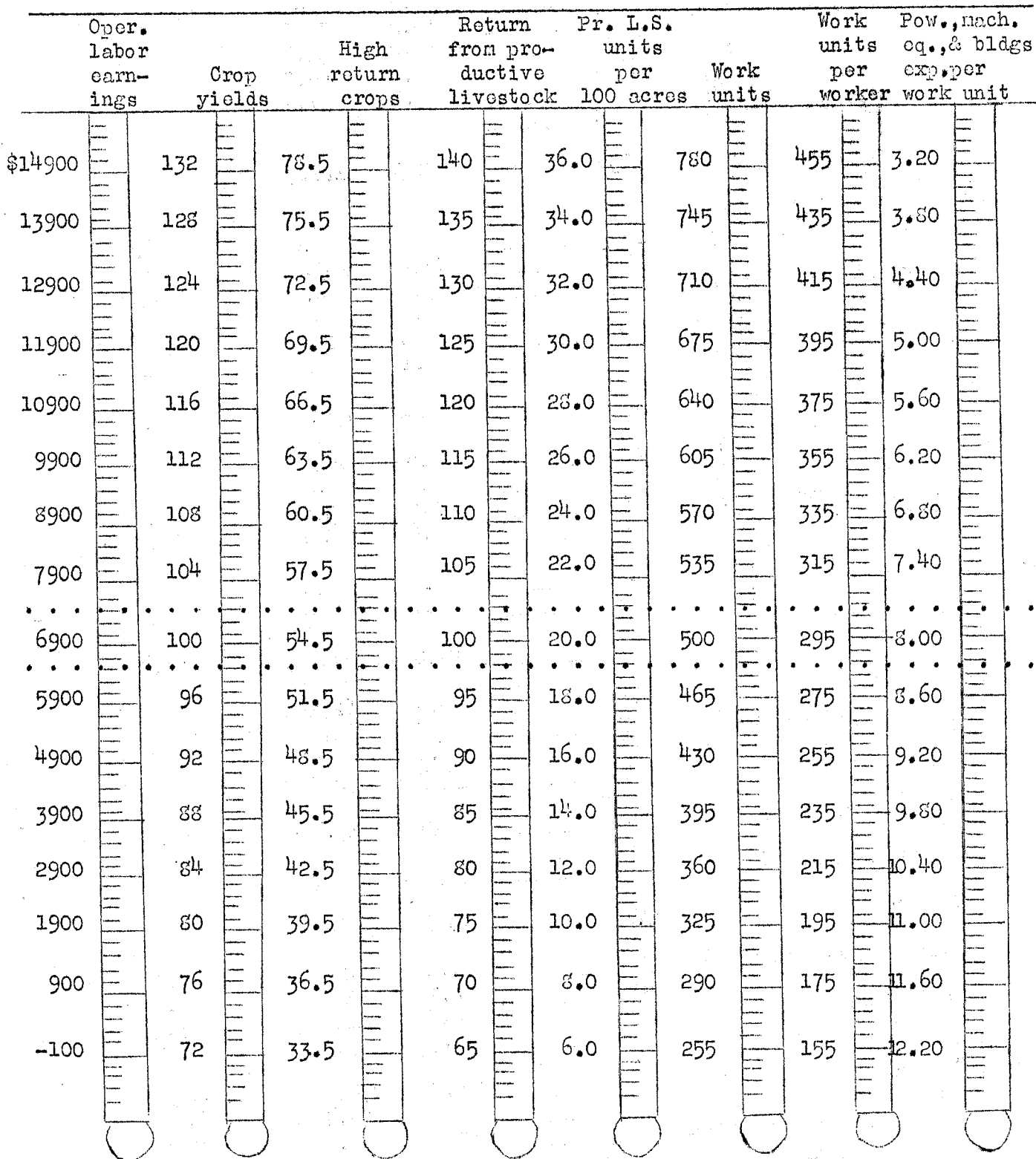


Table 11. Distribution of Acres in Farm, 1950

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	Your farm	Average of 139 farms	28 most profitable farms	28 least profitable farms
Canning peas (A)	4	_____	.5	-	-
Flax (C)	82	_____	19.2	33.9	21.2
Barley (D)	69	_____	14.2	23.6	9.4
Oats and oat mixtures (D)	138	_____	49.4	64.0	51.1
Wheat (D)	8	_____	.5	1.4	.2
Rye (D)	2	_____	.1	-	-
Total small grain and peas	139	_____	83.9	122.9	81.9
Hybrid seed corn, potatoes & truck crops (A)	5	_____	.1	.2	.2
Corn grain (A)	139	_____	71.8	105.7	69.6
Corn or sorghum silage (B)	67	_____	5.3	6.1	5.0
Sweet corn (B)	4	_____	.6	-	-
Soybeans for grain (B)	78	_____	15.6	22.0	16.5
Corn or sorghum fodder (D)	6	_____	.1	.3	-
Total cultivated crops	139	_____	93.5	134.3	91.3
Alfalfa hay (A)	119	_____	18.4	21.3	15.5
Soybean hay (C)	4	_____	.2	-	.9
Mixed legumes & non-legumes (C)	35	_____	2.9	3.9	3.9
Legumes for seed (C)	14	_____	1.6	5.7	.6
Timothy and/or brome hay & seed (D)	14	_____	.8	.9	.3
Misc. hay and seed (D)	3	_____	.1	-	.2
Total tillable land in hay	133	_____	24.0	31.8	21.4
Alfalfa and mixtures inc. alf. (A)	61	_____	6.4	12.1	4.8
Other legumes and mixtures (C)	19	_____	2.8	2.0	5.2
Sudan grass and/or rape (C)	12	_____	.6	.6	.4
Other tillable pasture (D)	35	_____	3.7	2.7	2.2
Total tillable land in pasture	101	_____	13.5	17.4	12.6
Tillable land not cropped (D)	11	_____	.8	1.9	.8
Total tillable land	139	_____	215.7	308.3	208.0
Wild or phalaris hay (non-tillable)	36	_____	1.9	2.5	1.7
Non-tillable pasture	83	_____	22.1	41.3	14.2
Roads, waste and timber		_____	8.8	12.7	7.1
Farmstead		_____	8.3	9.4	8.2
Total acres in farm		_____	256.8	374.2	239.2
% land tillable		_____	84.0	82.4	86.9
% tillable land in high return crops		_____	54.4	56.3	52.8

Table 12. Crop Yields per Acre, 1950

Crop	Your farm	Average of farms growing each crop
Canning peas, value above seed cost, dollars	_____	\$38.29
Flax, bu.	_____	15.1
Barley, bu.	_____	38.0
Barley and oats	_____	46.3
Oats, bu.	_____	47.0
Wheat, bu.	_____	28.1
Corn grain, bu.	_____	44.9
Corn or sorghum silage, tons	_____	8.7
Sweet corn, tons	_____	3.9
Soybeans, bu.	_____	16.4
Corn or sorghum fodder, tons	_____	2.2
Alfalfa hay, tons	_____	2.0
Soybean hay, tons	_____	1.0
Mixed legume & non-legume hay, tons	_____	1.6
Legume seed, lbs.	_____	98.3
Timothy and/or brome hay, tons	_____	1.0
Wild hay, tons	_____	.8

Table 13. Average Price of Feeds, 1950

Item	Value	Item	Value
Ear corn, per bu.	\$1.20	Alfalfa hay, per ton	\$21.00
Oats, per bu.	.72	Red or alsike clov.hay, per ton	17.90
Barley, per bu.	1.20	Soybean hay, per ton	17.90
Wheat, per bu.	2.05	Timothy, per ton	12.20
Bran, per cwt.	2.80	Wild hay, per ton	10.50
Linseed oilmeal, per cwt.	3.95	Corn fodder, per ton	9.45
Soybean oilmeal, per cwt.	3.95	Corn silage, per ton	6.70
Tankage, per cwt.	6.30	Pasture, per mo. per an. unit	1.40
		Skimmilk, per cwt.	.37

Table 14. Feed Costs For Horses, 1950

Items	Your farm	Average of 40 farms
Feed per horse, lbs.:		
Grain	_____	826
Hay	_____	2014
Fodder & stover	_____	133
Feed cost per horse:		
Grain	_____	\$10.59
Roughage	_____	18.15
Pasture	_____	8.91
Total feed cost	_____	37.65
Number of work horses	_____	2.7
Number of colts	_____	.1

Table 15. Power and Machinery Expenses Per Crop Acre, 1950

Items	Your farm	Average of 139 farms	28 most profitable farms	28 least profitable farms
Crop acres per farm	_____	203.3	291.5	196.3
Tractor and horse exp. per crop acre	_____	\$4.48	\$3.83	\$4.98
Crop & gen. mach. exp. per crop acre	_____	4.87	4.59	4.92

TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 16. 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 16. Total Feed Costs and Returns from Your Livestock Enterprises, 1950

	Dairy or dual purpose cattle			Beef breeding herd	feeder cattle
	Cows	Other	All		
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 17. Feed Costs and Returns from Hogs, 1950

Items	Your farm	Average of 126 farms	25 farms highest returns above feed	25 farms lowest returns above feed
Feed, per cwt. hogs produced, lbs.:				
Corn	_____	320	238	430
Small grain	_____	116	96	166
Commercial feeds	_____	46	41	57
Total concentrates		482	375	653
Skim milk and buttermilk	_____	39	48	36
Feed cost per cwt. hogs produced:				
Concentrates	\$ _____	\$11.67	\$9.08	\$15.68
Skim milk and buttermilk	_____	.15	.19	.14
Pasture	_____	.21	.22	.17
TOTAL FEED COSTS	\$ _____	12.03	9.49	15.99
Net increase in val. per cwt. hogs prod.	_____	\$18.88	\$21.35	\$16.63
RETURNS ABOVE FEED COST PER CWT. HOGS PROD.	\$ _____	\$6.85	\$11.86	\$.64
RETURNS FOR \$100 OF FEED	\$ _____	\$171	\$249	\$110
Price received per cwt. hogs sold	\$ _____	\$17.93	\$19.77	\$16.69
No. of spring litters raised	_____	19.0	19.4	18.3
No. of fall litters raised	_____	6.2	6.2	5.0
Total no. of litters raised	_____	25.2	25.6	23.3
No. of pigs born per litter	_____	8.3	9.3	7.7
No. of pigs weaned per litter	_____	6.5	7.1	5.4
Pounds of hogs produced	_____	41528	45191	38714

Table 18. Factors of Cost and Returns from Dairy and Dual Purpose Cows, 1950

	Your farm	Average of 49 dairy herds	Average of 13 dual purpose herds
Pounds of butterfat per cow	_____	277	213
Price rec. per lb. B.F. sold (cts.)	_____	72.6	64.2
As manufacturing cream (cts.)	_____	66.2	64.1
Other (cents)	_____	84.9	85.9
Feeds per cow, lbs.:			
Corn	_____	1520	1541
Small grain	_____	988	915
Commercial feeds	_____	273	172
Legume hay	_____	3535	3125
Other hay	_____	1081	993
Fodder and stover	_____	19	-
Total concentrates	_____	2781	2628
Total dry roughage	_____	4635	4118
Silage	_____	6092	5162
Total digestible nutrients*	_____	5486	4954
T.D.N. per lb. B.F.	_____	19.8	23.3
% T.D.N. that is protein	_____	13.6	13.3
Feed cost per cow:			
Concentrates	\$ _____	\$66.24	\$60.56
Roughages	_____	63.67	55.76
Pasture	_____	6.76	7.23
TOTAL FEED COSTS	\$ _____	136.67	123.55
Value of produce per cow:			
B.F. sales	\$ _____	\$187.29	\$120.89
Dairy produce used in house	_____	11.73	12.01
Milk to livestock	_____	22.04	27.01
Net increases in value of cows	_____	46.31	27.61
TOTAL VALUE PRODUCED	\$ _____	267.37	187.52
RETURNS ABOVE FEED COST PER COW	\$ _____	130.70	63.97
RETURNS FOR \$100 OF FEED	\$ _____	\$215	\$167
Feed cost per lb. B. F. (cts.)	_____	49.3	58.0
% fall freshening	_____	43	51
Number of cows**	_____	9.8	7.4

*Not including nutrients received from pasture.

**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 19. Food Costs and Returns from Other Dairy and Dual Purpose Cattle, 1950

Items	Your farm	Average of 47 dairy herds*	Average of 11 dual purpose herds*
Feeds per head, lbs.:			
Concentrates	_____	653	883
Hay and fodder	_____	1640	1125
Silage	_____	2035	1277
Skim milk	_____	897	1563
Whole milk	_____	259	216
TOTAL FEED COSTS PER HEAD	\$ _____	\$49.84	\$47.11
Net inc. in value of other dairy cattle	_____	\$124.28	\$164.83
RETURNS ABOVE FEED COST PER HEAD	\$ _____	\$74.44	\$117.72
RETURNS FOR \$100 OF FEED	\$ _____	\$265	\$447
Number of head of other dairy cattle	_____	12.9	11.1

Table 20. Food Costs and Returns from All Dairy and Dual Purpose Cattle, 1950

Items	Your farm	Average of 49 dairy herds	Average of 13 dual purpose herds
Feeds per animal unit, lbs.:			
Concentrates	_____	2152	2334
Hay and fodder	_____	4003	3263
Silage	_____	5291	4355
TOTAL FEED COSTS PER ANIMAL UNIT	\$ _____	\$112.18	\$103.78
Value of produce per animal unit:			
Dairy products	\$ _____	\$129.58	\$90.48
Net incr. in value of dairy cattle	_____	117.40	132.34
TOTAL VALUE PRODUCED	\$ _____	246.98	222.82
RETURNS ABOVE FEED PER ANIMAL UNIT	\$ _____	\$134.80	\$119.04
RETURNS PER \$100 OF FEED	\$ _____	\$237	\$227
Animal units of dairy cattle	_____	16.1	12.5

*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 21. Feed Costs and Returns from Beef Cattle, 1950

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:		31	15	15
Feeds per animal unit, lbs.:				
Concentrates	_____	1810	2242	1374
Legume hay	_____	1816	2124	1391
Other hay	_____	693	596	760
Fodder and stover	_____	475	90	894
Silage	_____	3001	2597	3605
Feed cost per animal unit:				
Concentrates	\$ _____	\$41.75	\$50.78	\$32.76
Roughages	_____	34.41	34.58	33.76
Milk*	_____	.04	.07	-
Pasture	_____	6.04	5.94	6.10
TOTAL FEED COSTS	_____	82.24	91.37	72.63
Value of produce per animal unit:				
Dairy products	\$ _____	\$11.39	\$18.92	\$2.61
Net increase in value of animals	_____	156.44	203.88	110.17
TOTAL VALUE PRODUCED	_____	167.83	222.80	112.78
RETURNS ABOVE FEED COST PER ANIMAL UNIT\$	_____	\$85.59	\$131.43	\$40.15
RETURNS FOR \$100 OF FEED	\$ _____	\$216	\$256	\$177
Number of cows and herd bulls	_____	14.0	10.0	18.6
Number of animal units in the herd	_____	24.7	19.9	30.3
Lbs. beef produced	_____	11260	11215	11705
Feeder cattle: No. of farms		53	13	13
Feeds per cwt. beef produced, lbs.:				
Corn	_____	598	503	681
Small grain	_____	33	42	16
Commercial feeds	_____	52	34	70
Legume hay	_____	192	212	235
Other hay	_____	84	79	117
Fodder and stover	_____	3	10	-
Total concentrates	_____	683	579	767
Total hay and fodder	_____	279	301	352
Silage	_____	593	597	465
Feed cost per cwt. beef produced:				
Concentrates	\$ _____	\$15.55	\$13.13	\$17.45
Roughages	_____	4.16	4.73	3.69
Pasture	_____	.42	.62	.41
TOTAL FEED COSTS	_____	20.13	18.48	21.55
Net increase in value of feeders	_____	37.22	43.19	31.10
RETURNS ABOVE FEED COST PER CWT. BEEF PROD.	_____	\$17.09	\$24.71	\$9.55
RETURNS FOR \$100 OF FEED	\$ _____	\$197	\$252	\$151
Price recd. per cwt. beef sold	\$ _____	\$27.24	\$27.14	\$25.75
Price pd. for feeder cattle bot.	_____	29.20	28.18	28.12
No. of animal units	_____	37.2	39.9	33.2
Pounds of beef produced	_____	22707	22319	20776

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

Table 22. Feed Costs and Returns from a Farm Flock of Sheep, 1950

Items	Your farm	Average of 31 farms	15 farms highest in returns above feed	15 farms lowest in returns above feed
Feeds per head,* lbs.				
Concentrates	_____	164	159	171
Legume hay	_____	163	147	181
Other hay	_____	92	100	88
Fodder and stover	_____	-	-	-
Silage	_____	88	94	75
Feed cost per head:				
Concentrates	\$ _____	\$3.62	\$3.74	\$3.52
Roughages	_____	2.41	2.39	2.44
Pasture	_____	1.03	1.07	1.00
TOTAL FEED COSTS	\$ _____	7.06	7.20	6.96
Value of produce per head:				
Wool	\$ _____	\$3.58	\$3.57	\$3.52
Net increase in value of sheep	_____	17.77	24.04	11.63
TOTAL VALUE PRODUCED	\$ _____	21.35	27.61	15.15
RETURNS ABOVE FEED COST PER HEAD	\$ _____	\$14.29	\$20.41	\$8.19
RETURNS FOR \$100 OF FEED	\$ _____	\$358	\$440	\$278
Price per cwt. of lambs sold	\$ _____	\$27.03	\$27.67	\$26.17
Price per lb. wool sold (cts.)	_____	54.7	55.4	53.2
Pounds of wool per sheep sheared	_____	9.0	9.0	8.9
Number of ewes kept for lambing	_____	40	39	39
% lamb crop**	_____	113	126	103
% death loss**	_____	8.3	5.4	11.6
Pounds of sheep produced	_____	3881	3744	3998
No. of head of sheep*	_____	61.3	60.2	59.9

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

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

Table 23. Feed Costs and Returns from Feeder Sheep, 1950

Items	Your farm	Average of 6 farms
Feeds per cwt. sheep produced, lbs.:		
Concentrates	_____	911
Legume hay	_____	355
Other hay	_____	39
Feed cost per cwt. sheep produced:		
Concentrates	_____	\$20.80
Roughages	_____	3.71
Pasture	_____	1.00
Total feed costs	_____	25.51
Net increase in value of sheep	_____	46.03
Return above feed cost per cwt. produced	_____	20.52
Return for \$100 of feed	_____	\$212
Price received per cwt. sold	_____	\$25.82
Price received per cwt. bought	_____	25.07
Pounds of sheep produced	_____	5839

Table 24. Feed Costs and Returns from Chickens, 1950*

Items	Your farm	Average of 114 farms	23 farms highest in return above feed	23 farms lowest in return above feed
Feed per hen, lbs.:				
Grain	_____	100	88	124
Commercial feeds	_____	47	50	53
Total concentrates	_____	147	138	177
Skim milk and buttermilk	_____	1	-	2
TOTAL FEED COST PER HEN	\$ _____	\$4.35	\$4.17	\$5.22
Value of produce per hen:				
Eggs sold and used in house	_____	\$4.39	\$5.98	\$3.34
Net increase in value of chickens	_____	.80	1.64	.28
TOTAL VALUE PRODUCED	\$ _____	\$5.19	7.62	3.62
RETURNS ABOVE FEED COST PER HEN	\$ _____	\$.83	\$3.45	\$-1.60
RETURNS FOR \$100 OF FEED	\$ _____	\$126	\$191	\$71
Price rec'd per doz. eggs sold (cts.)	_____	30.0	31.3	29.6
Eggs laid per hen	_____	175	225	135
Ave. no. of hens on farm during the year	_____	224	204	191
% of hens that are pullets	_____	84	97	73
% death loss of hens	_____	12	9	14
Number of chicks started:				
Straight run	_____	238	214	264
Pullets	_____	171	303	59
Cockerels	_____	25	33	26
Lbs. chickens produced	_____	1439	1822	902

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

Table 25. Feed Cost and Returns from Laying Hens, 1950

Items	Your farm	Average of 38 farms
Feed per hen, lbs.:		
Grain	_____	80
Commercial feeds	_____	35
Total concentrates	_____	115
Skim milk	_____	-
Total feed cost per hen	_____	\$3.30
Value of produce per hen:		
Eggs sold and used in home	_____	\$4.65
Less depreciation and death loss	_____	-.49
Total value produced	_____	4.16
Return above feed cost per hen	_____	.86
Return for \$100 of feed	_____	\$126
Eggs laid per hen	_____	185
Price rec'd per doz. eggs sold (cts.)	_____	30.7
Ave. no. hens on farm during year	_____	251
No. of hens on hand beginning of year	_____	290
% death loss	_____	11
% of hens that are pullets	_____	87

Table 26. Feed Costs and Returns from Chicks, 1950

Items	Your farm	Average of 30 farms
Feed per 100 chicks raised, lbs.:		
Grain	_____	1514
Commercial feeds	_____	1100
Total concentrates	_____	2614
Skin milk	_____	-
Total feed cost per 100 chicks raised	_____	\$83.26
Net increase in val. per 100 chicks	_____	80.24
Return over feed cost per 100 chicks	_____	-3.02
Return for \$100 of feed	_____	\$96
Number of chicks bot:		
Pullets	_____	366
Straight run	_____	180
Cockerels	_____	44
Price paid per 100 chicks bot:		
Pullets	_____	\$38.12
Straight run	_____	16.96
Cockerels	_____	13.33
Per cent death loss	_____	15.5
Number chicks raised	_____	484
Price rec'd per pound sold (cts.)	_____	23.5
Pounds of poultry produced	_____	2054

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 27.

Table 27. 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	4.0 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 cow, one bull, one feeder steer or heifer, two head of other cattle, seven head of sheep, fourteen lambs, five hogs, ten pigs, 100 hens, or 1400 pounds of turkeys produced.

Table 28. Summary of Farm Earnings by Years

Items	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
No. of farms	165	166	165	164	163	153	142	137	136	131	139
Total farm capital	\$32724	\$36613	\$37728	\$37602	\$36000	\$35876	\$36810	\$39671	\$44143	\$46452	\$50868
Mo. charge for unpd.fam. lab.*	45	50	60	75	85	90	110	130	130	130	130
Mo. charge for board to hired lab.*	18	20	25	25	25	25	30	36	36	36	36
FARM EXPENSES											
Dairy and dual-pur. cattle bot.	\$76	\$138	\$141	\$135	\$112	\$118	\$237	\$135	\$170	\$214	\$321
Beef cattle bot. (incl. feeders)	1243	1766	1718	1187	1109	1390	1754	1916	2341	2733	4120
Hogs bot.	103	209	339	408	315	377	382	646	389	441	478
Sheep bot. (incl. feeders)	414	686	866	694	321	600	464	301	97	365	543
Poultry bot. (incl. turkeys)	99	96	138	165	200	195	164	156	133	179	164
Horses bot.	32	32	49	33	43	15	14	14	11	2	6
Misc. livestock expense	72	109	148	199	173	194	198	270	273	304	328
Misc. crop expenses	243	303	377	507	582	575	750	1055	1112	851	966
Feed bought	1007	1718	2235	3080	2164	2416	2669	4014	3926	2929	3807
Custom work hired	150	140	199	215	261	292	300	394	421	375	382
Power mach. (new)	379	446	256	180	337	200	449	847	1173	1116	1164
Power mach. (upkeep)	411	497	533	617	699	817	963	1116	1277	1233	1308
Crop and gen. mach. (new)	319	416	387	221	332	414	601	897	1328	1319	1248
Crop and gen. mach. (upkeep)	69	84	135	157	174	195	258	290	368	310	292
Livestock equipment (new)	74	123	134	138	91	78	97	122	108	88	124
Livestock equipment (upkeep)	20	32	57	87	78	94	92	114	131	126	125
Buildings and fencing (new)	412	434	327	236	297	370	409	754	941	908	741
Buildings and fencing (upkeep)	88	141	156	168	192	219	268	311	413	384	331
Hired labor	392	561	622	739	651	636	723	796	944	872	843
Taxes	313	337	355	335	311	311	367	378	459	499	534
Insurance	15	32	35	40	41	41	49	61	71	56	78
General farm	59	55	60	72	80	84	108	112	140	146	146
Total farm purchases	5990	8355	9267	9613	8563	9631	11316	14699	16226	15450	18049
Decrease in farm capital	-	-	-	-	412	-	-	-	-	-	-
Interest on farm capital	1635	1831	1886	1880	1800	1794	1841	1984	2207	2323	2543
Unpaid family labor	252	288	360	335	316	322	363	422	421	356	360
Board furnished hired labor	131	171	143	147	118	83	105	116	127	102	99
Total farm exp.	\$8008	\$10645	\$11656	\$11975	\$11209	\$11830	\$13625	\$17221	\$18981	\$18231	\$21051

*These adjustments should be considered in comparing 1950 results with previous years.

Table 28. Summary of Farm Earnings by years (continued)

Items	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
FARM RECEIPTS											
Dairy and dual-purpose cattle	\$ 265	\$ 392	\$ 446	\$ 419	\$ 392	\$ 473	\$ 515	\$ 688	\$ 616	\$ 572	\$ 904
Dairy products	570	758	804	916	865	906	1083	1031	1046	874	885
Beef cattle (incl. feeders)	2373	3399	3860	3590	2478	3777	3711	4248	4508	4988	6438
Hogs	1162	2306	4336	5630	4671	4484	6166	8662	8207	6358	6801
Sheep and wool (incl. feeders)	470	1032	1402	968	768	926	834	766	421	308	810
Poultry (including turkeys)	372	396	598	622	829	659	620	444	418	485	590
Eggs	244	334	589	905	911	977	993	1043	1108	1052	790
Horses	42	41	47	45	47	27	24	28	25	12	14
Corn	516	477	625	724	578	587	814	1183	1498	1606	1542
Small grain	849	1133	1120	1382	669	949	1446	2436	3818	1626	1694
Other crops	239	283	366	510	600	673	878	911	1160	772	677
Machinery and equipment sold	249	278	133	137	185	251	363	383	355	470	446
Agri. adjustment payment	506	503	503	264	74	51	121	61	65	29	57
Income from work off the farm	193	196	163	137	183	295	343	344	306	277	290
Miscellaneous	394	176	166	185	197	48	67	83	124	66	112
Total farm sales	\$8444	\$11704	\$15158	\$16434	\$13447	\$15083	\$17978	\$22311	\$23675	\$19495	\$22050
Increase in farm capital	1179	2618	2102	2	-	314	3223	5634	1542	1260	5214
Family living from farm	483	538	584	588	572	635	679	667	702	649	669
Tot. farm rec.	\$10106	\$14860	\$17844	\$17024	\$14019	\$16032	\$21880	\$28612	\$25919	\$21404	\$27933
Total farm expenses	8008	10645	11656	11975	11209	11830	13625	17221	18981	18231	21051
Oper. lab. earn.	2098	4215	6188	5049	2810	4202	8255	11391	6938	3173	6882
MEAS. OF FARM ORG. AND MANAGEMENT EFFICIENCY											
% 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
Livestock units per 100 A.	22.1	24.7	24.7	25.1	21.4	22.1	20.7	20.1	19.5	19.3	20.0
Work units	569	631	624	586	530	535	514	483	489	483	502
Work units per worker	263	264	281	279	279	297	286	284	272	284	295
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
ACRES PER FARM											
Crop acres per farm	279	295	291	280	268	268	260	243	250	249	257
YIELDS PER ACRE											
Flax, bu.	13.7	12.0	11.5	9.5	6.0	13.8	13.3	13.4	15.2	12.9	15.1
Barley, bu.	42.3	29.6	24.0	10.7	18.8	44.3	33.4	28.9	39.3	24.4	38.0
Oats, bu.	60.1	26.4	44.8	34.3	36.3	51.8	42.1	42.0	53.0	42.7	47.0
Corn, grain bu.	46.2	55.9	57.4	39.6	49.6	33.5	53.1	40.4	63.1	49.1	44.9
Corn silage, ton	8.5	9.5	10.3	8.5	7.5	7.1	8.9	6.9	10.1	9.2	8.7
Alfalfa hay, ton	2.0	2.0	2.5	2.3	2.0	2.1	2.1	2.2	2.1	2.0	2.0

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

Table 29. Summary of Miscellaneous Items by Years

Items	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
RETURN ABOVE FEED COST PER:											
Dairy cow	\$43.03	\$56.89	\$70.13	\$69.86	\$69.45	\$92.30	\$121.08	\$104.00	\$151.25	\$106.16	\$130.70
Dual-purpose cow	26.49	39.13	54.28	41.21	46.01	61.28	94.26	58.91	65.54	49.92	63.97
Animal unit in beef breed. herd	18.20	25.06	35.53	18.54	12.20	24.00	42.12	53.27	62.42	50.51	85.59
100 lbs. feeder cattle prod.	2.92	3.99	3.64	1.43	3.56	7.38	8.59	9.10	10.49	8.78	17.09
Head of sheep in farm flock	3.27	5.96	5.61	3.37	3.00	4.86	10.97	6.71	9.90	8.58	14.29
100 lbs. feeder sheep prod.	2.13	8.01	6.67	4.24	10.85	9.44	18.02	-3.14	-18.19	-	20.52
100 lbs. hogs produced	1.23	5.15	7.61	2.93	3.31	5.23	7.68	9.09	5.07	4.37	6.85
Hen	.96	1.35	2.07	2.48	1.71	2.63	2.27	1.47	1.95	2.44	.83
100 lbs. turkeys produced	5.74	9.63	14.09	12.31	10.27	12.17	16.13	-	-	-	3.31
FEED COST PER:											
Dairy cow	\$46.50	\$53.11	\$62.99	\$88.03	\$88.04	\$92.68	\$103.69	\$148.42	\$140.00	\$121.28	\$136.67
Dual-purpose cow	34.85	44.19	48.55	70.09	68.02	78.02	87.82	121.01	122.80	97.55	123.55
Animal unit in beef breed. herd	29.86	33.57	34.55	46.58	49.92	52.84	58.59	89.20	71.66	69.21	82.24
100 lbs. of feeder cattle prod.	8.00	9.21	13.27	17.25	15.06	15.62	18.03	29.24	26.34	19.08	20.13
Head of sheep in farm flock	2.60	2.76	3.01	4.14	3.78	4.33	4.74	6.81	6.95	5.25	7.06
100 lbs. feeder sheep produced	7.16	8.38	14.23	13.85	12.98	15.15	19.30	38.18	34.89	-	25.51
100 lbs. hogs produced	4.29	5.55	6.76	9.89	10.32	9.04	11.95	16.64	15.80	11.05	12.03
Hen	1.11	1.50	2.15	3.17	3.46	3.53	3.95	4.99	4.99	3.94	4.35
100 lbs. turkeys produced	7.27	8.26	11.40	14.96	14.88	14.89	15.80	-	-	-	20.51
Horse	29.74	31.80	37.06	47.87	40.58	32.10	32.83	43.08	37.47	24.07	37.65
MISC. LIVESTOCK INFORMATION											
No. of work horses	4.1	4.2	4.0	3.7	3.3	3.1	2.6	2.0	1.6	1.1	.8
No. of colts	1.0	1.0	.7	.7	.6	.3	.2	.1	-	-	-
No. of dairy or dual-pur. cows	8.6	9.1	8.6	7.6	6.6	6.1	5.7	5.2	4.8	4.6	4.6
Head in beef breeding herd	9.0	9.4	9.9	10.7	13.5	10.8	10.7	8.0	9.0	8.3	8.0
Lbs. feeder cattle produced	8678	14087	10119	8483	5315	7695	6083	5717	7117	6768	8699
Litters of pigs	13.6	16.9	20.1	25.4	16.7	19.4	18.1	19.5	20.2	20.3	22.7
Lbs. of hogs produced	21335	27550	34522	39596	29054	33994	34524	34163	35651	33129	37633
No. of hens	161	173	196	223	230	215	210	200	200	185	186
Lbs. of butterfat per:											
Dairy cow	250	254	250	251	226	242	244	259	258	284	277
Dual purpose cow	179	190	190	182	172	182	191	185	172	170	213
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
% lamb crop	110	110	109	105	94	99	108	110	111	117	113
Eggs per hen	113	117	135	146	157	163	174	170	170	177	175

Table 29. Summary of Miscellaneous Items by Years (continued)

Items	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
<u>PRICE RECEIVED PER:</u>											
Lb. B.F. to creameries	\$.31	\$.37	\$.42	\$.53	\$.58	\$.62	\$.76	\$.76	\$.86	\$.66	\$.66
100 lbs. feeder cattle	8.81	10.13	12.22	13.68	13.83	14.95	16.54	23.45	29.12	24.50	27.24
100 lbs. feeder sheep	8.74	10.08	12.47	14.52	15.32	15.91	18.44	24.76	29.23	-	25.82
Pound of wool	.29	.38	.41	.41	.41	.42	.43	.37	.42	.42	.55
100 lbs. of hogs	5.15	9.07	13.13	13.80	13.12	14.27	17.17	24.66	23.29	13.29	17.93
Dozen eggs	.15	.21	.28	.35	.31	.35	.34	.38	.40	.39	.30
Pounds of turkeys	.14	.18	.29	.32	.34	.32	.37	-	-	-	.29
<u>PRICE OF FEED</u>											
Corn, bu.	\$.47	\$.54	\$.68	\$.91	\$.92	\$.86	\$1.14	\$1.54	\$1.64	\$1.02	\$1.20
Oats, bu.	.26	.32	.41	.60	.70	.64	.70	.90	.88	.59	.72
Barley, bu.	.31	.39	.52	.77	.92	.94	1.22	1.80	1.59	.99	1.20
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
Timothy hay, ton	4.80	5.45	5.15	6.75	9.00	9.00	9.60	12.50	11.60	11.60	12.20
Corn silage, ton	2.10	2.55	2.75	3.62	5.00	5.00	5.50	8.00	5.85	6.00	6.70
Bran, cwt.	1.20	1.50	2.10	2.10	2.20	2.18	2.70	3.20	4.00	2.80	2.80
Linseed oilmeal, cwt.	1.75	2.00	2.40	2.55	2.85	2.88	3.30	4.25	4.55	4.00	3.95
Tankage, cwt.	2.50	3.20	4.10	4.00	4.18	4.10	5.10	6.75	6.45	6.25	6.30
Soybean meal, cwt.	1.70	2.10	2.75	2.80	3.15	3.00	3.80	4.80	5.10	4.05	3.95