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1960

Annual Report

SOUTHWESTERN MINNESOTA
FARM MANAGEMENT SERVICE

University of Minnesota
Institute of Agriculture

and

United States Department of Agriculture
Agricultural Research Service
and the
County Extension Services of
10 Southwestern Minnesota Counties

and the

Southwestern Minnesota Farm Management Association
Cooperating

0

Report No. 259
Department of Agricultural Economics
Institute of Agriculture
St. Paul 1, Minnesota
June, 1961

1960 ANNUAL REPORT OF THE SOUTHWESTERN MINNESOTA FARM MANAGEMENT SERVICE

Prepared by T. R. Nodland¹

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INTRODUCTION

The Department of Agricultural Economics and the Agricultural Extension Service of the University of Minnesota, the Agricultural Research Service of the United States Department of Agriculture, and the county extension services of several southwestern Minnesota counties are cooperating with the Southwestern 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.

1. Janet Otis, Bess Miller, Beatrice McDonald, Leo Wirth and Roger Anderson performed many of the calculations for this report.

The analysis of the records and the preparation of the report are handled by the Department of Agricultural Economics under the direction of T. R. Nodland. Extension work in connection with this service is handled by Harland Routhe. Gene Stevermer was the field agent for this project. At the end of the year Duane Erickson of the Department of Agricultural Economics and Harland Routhe and Kenneth Thomas of the Agricultural Extension Service, aided in closing the records.

The following tabulation shows by counties the number of records submitted, the officers of the Association, and the county agricultural extension agents who cooperated in 1960.

Southwestern Minnesota

County	No. of records	Association officers	County Agricultural Extension Agent
Cottonwood	13	Jan Wassenaar, Director	Herman Vossen
Faribault	16	Lester Coy, Director Harry Marks, Director	James V. Johnson
Jackson	21	Arnold Hussong, Director George Russell, Director	Ray Palmby
Martin	6	John Worthly, Director	Floyd Bellin
Murray	16	Herman Abramson, Director Arthur Foster, Sec.-Treas.	Reuben Boxrud
Nobles	32	John Van Oort, Director Alex Jamieson, Director Michael Thompson, Director Clarence Wass, President	Ross Huntsinger
Pipestone	5	Kenneth Butman, Director	Clem Chase
Redwood	22	William Behrends, Vice. Pres. Bernard Fultz, Director	Ernest Johnson
Rock	1		Gregory Leuhr
Watonwan	7	Clayton Johnson, Director	John Ankeny
Total	139		

The data for 121 farms are shown in the tables on succeeding pages. Eighteen farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis.

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 variation occurs among all farmers in the area. To the extent that this is true, this report would 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. Summary of Farm Inventories, 1960*

Items	Your farm		Average of 121 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			320	
Size of business (work units)**			514	
Dairy cows	\$	\$	\$ 996	\$1093
Other dairy cattle			665	676
Beef cattle (incl. feeders)			12597	12417
Hogs			1992	2887
Sheep (incl. feeders)			230	193
Poultry (incl. turkeys)			250	267
Productive livestock (total)	\$	\$	\$16730	\$17533
Horses			32	26
Crop, seed and feed			8148	9918
Auto (farm share)			1464	1246
Tractors			2725	2488
Crop and general machinery			4887	4948
Livestock equipment and supplies			1372	1421
Machinery and equipment (total)	\$	\$	\$10448	\$10103
Land			39803	39803
Buildings, fences, etc.			12842	12756
Total farm capital	\$	\$	\$88003	\$90139

Items	24 most profitable farms		24 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	427		314	
Size of business (work units)**	706		482	
Dairy cows	\$ 1078	\$ 1204	\$ 1194	\$ 1363
Other dairy cattle	506	521	1335	1164
Beef cattle (incl. feeders)	17332	18862	9205	8481
Hogs	2447	4233	1490	2145
Sheep (incl. feeders)	174	150	239	171
Poultry (incl. turkeys)	230	259	428	478
Productive livestock (total)	\$21767	\$25229	\$13891	\$13802
Horses	32	39	22	20
Crop, seed and feed	9362	14610	8438	8005
Auto (farm share)	1441	1118	1983	1730
Tractors	3503	3408	3244	2870
Crop and general machinery	5695	6021	5515	5417
Livestock equipment and supplies	1424	1574	1848	1859
Machinery and equipment (total)	\$12063	\$12121	\$12590	\$11876
Land	50394	50394	35685	35685
Buildings, fences, etc.	13616	14262	15111	14541
Total farm capital	\$107234	\$116655	\$85737	\$83929

* For the purpose of comparison, all the data shown in this report, with the exception of Tables 4 and 5, 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 an explanation of "work units."

Table 2. Summary of Farm Earnings (Cash Statement), 1960

Items	Your farm	Average of 121 farms	24 most profitable farms	24 least profitable farms
FARM RECEIPTS				
1. Dairy cattle	\$ _____	\$ 593	\$ 676	\$1048
2. Dairy products	_____	1761	2119	2105
3. Beef cattle (incl. feeders)	_____	19601	29424	15491
4. Hogs	_____	7251	9416	6175
5. Sheep and wool (incl. feeders)	_____	305	261	485
6. Horses	_____	10	3	6
7. Poultry (incl. turkeys)	_____	672	1759	129
8. Eggs	_____	1078	989	1614
9. Corn	_____	2443	2983	3421
10. Small grain	_____	1022	1279	909
11. Other crops	_____	1816	2206	1747
12. Machinery & equipment sold	_____	289	256	405
13. Income from work off the farm	_____	350	317	516
14. Miscellaneous	_____	389	472	424
15. Total farm sales	\$ _____	\$37580	\$52160	\$34475
16. Increase in farm capital	_____	2136	9421	-
17. Family living from the farm	_____	309	414	301
18. Total farm receipts	\$ _____	\$40025	\$61995	\$34776
FARM EXPENSES				
19. Dairy cattle bought	\$ _____	\$ 206	\$ 155	\$ 444
20. Beef cattle bought (incl. feeders)	_____	10558	16273	9558
21. Hogs bought	_____	635	271	1614
22. Sheep bought (incl. feeders)	_____	54	16	172
23. Horses bought	_____	3	9	6
24. Poultry bought (incl. turkeys)	_____	212	372	206
25. Misc. livestock expenses	_____	560	782	511
26. Feed bought	_____	6250	9308	4940
27. Fertilizers	_____	900	1376	797
28. Other crop expenses	_____	1127	1554	1142
29. Custom work hired	_____	827	1061	919
30. Gas, oil and grease (farm share)	_____	1215	1388	1308
31. Repairs for tractors, trucks & autos (farm share)	_____	667	856	660
32. Repair and upkeep of farm real est.	_____	311	441	280
33. Repair and upkeep of crop & gen. mach.	_____	469	554	540
34. Repair and upkeep of lvstk. equip.	_____	176	224	186
35. Wages of hired labor	_____	1017	1715	935
36. Electricity expense	_____	270	285	337
37. Pers.prop. and real est. taxes	_____	1245	1555	1229
38. Telephone and general farm exp.	_____	415	488	527
39. Total cash operating expense	\$ _____	\$27117	\$38683	\$26311
40. Mechanical power bought (farm share)	_____	473	459	698
41. Crop and general machinery bought	_____	1131	1546	1091
42. Livestock equipment bought	_____	364	439	443
43. New real estate improvements	_____	828	1696	480
44. Total farm purchases	\$ _____	\$29913	\$42823	\$29023
45. Decrease in farm capital	_____	-	-	1808
46. Interest on farm capital	_____	4454	5597	4242
47. Unpaid family labor	_____	464	601	597
48. Board furnished hired labor	_____	103	155	136
49. Total farm expenses	\$ _____	\$34934	\$49176	\$35806
50. Labor earnings	_____	5091	12819	-1030

Table 3. Summary of Farm Earnings (Enterprise Statement), 1960*

Items	Your farm	Average of 121 farms	24 most profitable farms	24 least profitable farms
RETURNS AND NET INCREASES				
1. Dairy cows	\$ _____	\$1773	\$2142	\$2081
2. Other dairy cattle	_____	631	866	739
3. Beef breeding herd	_____	358	413	423
4. Feeder cattle	_____	8593	14379	4909
5. Hogs	_____	7567	10988	5277
6. Sheep--farm flock	_____	215	223	250
7. Sheep--feeders	_____	-	-	-
8. Turkeys	_____	501	1438	-
9. Chickens	_____	1098	1020	1637
10. All productive livestock	\$ _____	\$20736	\$31469	\$15316
11. Value of feed fed to livestock	_____	13451	18968	10834
12. Return over feed from livestock	\$ _____	\$ 7285	\$12501	\$ 4482
13. Crops, seed and feed	_____	12200	18411	9550
14. Income from labor off the farm	_____	184	135	264
15. Agricultural conservation payments	_____	96	169	108
16. Miscellaneous	_____	293	303	316
17. Total returns and net increases	\$ _____	\$20058	\$31519	\$14720
EXPENSES AND NET DECREASES				
18. Horses	\$ _____	\$ 1	-	\$ 4
19. Truck	_____	337	289	518
20. Auto (farm share)	_____	613	690	720
21. Tractor	_____	1507	1814	1492
22. Electricity (farm share)	_____	272	289	335
23. Hired power	_____	358	414	445
24. Total power	\$ _____	\$ 3088	\$ 3496	\$ 3514
25. Crop and general machinery	_____	1648	1987	1836
26. Livestock equipment	_____	487	545	568
27. Buildings, fencing and tiling	_____	1211	1440	1331
28. Misc. productive livestock exp.	_____	560	782	510
29. Labor	_____	1859	2810	1993
30. Real estate taxes	_____	975	1216	939
31. Personal property tax	_____	270	339	290
32. Insurance	_____	190	272	205
33. General farm expenses	_____	225	216	322
34. Interest on farm capital	_____	4454	5597	4242
35. Total expenses and net decreases	\$ _____	\$14967	\$18700	\$15750
36. Labor earnings	\$ _____	\$ 5091	\$12819	\$-1030

* 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 labor earnings are the same as those on page 4.

Table 4. Net Worth Statement for Those Farmers Who Kept a Complete Record of All Assets and Liabilities, 1960 (Operator's Share)

Items	Your farm		15 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			252	
Owned			252	
Rented			-	
Total farm capital	\$	\$	\$70816	\$74241
Stocks and bonds			2766	3012
Life insurance			2659	2827
Notes and accounts receivable			1464	1470
Shares in cooperative organizations			776	825
Outside real estate			6285	6590
Cash on hand and in bank			1683	1200
Household furnishings and clothing			3002	3138
Personal share of auto			733	614
Farm dwelling			4514	4600
Total non-farm assets	\$	\$	\$23882	\$24276
Total assets	\$	\$	\$94698	\$98517
Federal Land Bank mortgage			-	
Other real estate mortgages			16930	18411
Production Credit Association loans			6302	6851
Farmers Home Adm. chattel loans			533	533
Sealed grain			167	195
Other chattel mortgages			3832	4284
Notes payable			3922	4116
Accounts payable			700	762
Total liabilities	\$	\$	\$32386	\$35152
Farmer's net worth	\$	\$	\$62312	\$63365
Change in net worth	\$	\$	\$+1053	

Items	19 part-owners*		24 renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Owned	192		-	
Rented	177		276	
Total farm capital	\$68513	\$73112	\$27251	\$31978
Stocks and bonds	747	759	1716	1832
Life insurance	1794	1938	1639	1888
Notes and accounts receivable	109	72	389	892
Shares in cooperative organizations	776	915	550	619
Outside real estate	902	982	1741	1740
Cash on hand and in bank	995	1209	2321	2890
Household furnishings and clothing	2533	2561	2094	2174
Personal share of auto	600	501	557	480
Farm dwelling	6866	6633	-	165
Total non-farm assets	\$15322	\$15570	\$11007	\$12680
Total assets	\$83835	\$88682	\$38258	\$44658
Federal Land Bank mortgage	2862	2802	-	-
Other real estate mortgages	10683	11095	-	2250
Production Credit Association loans	1686	2135	1411	1960
Farmers Home Adm. chattel loans	700	687	-	-
Sealed grain	548	672	77	80
Other chattel mortgages	4759	4754	4319	3348
Notes payable	9131	9321	2910	3656
Accounts payable	764	944	1095	1730
Total liabilities	\$31133	\$32410	\$ 9812	\$13024
Farmer's net worth	\$52702	\$56272	\$28446	\$31634
Change in net worth		\$+3570		\$+3188

* 3 rented for cash, 9 cash and crop share, 6 crop share, and 1 lvstk and crop share.

** 5 rented for cash, 13 cash and crop share, 1 crop share, 5 lvstk and crop share.

Table 5. Summary of Farm Earnings by Tenure, 1960 (Operator's Share)

Items	Your farm	15 owners	19 owners	24 renters
FARM RECEIPTS				
Dairy cattle	\$	\$ 273	\$ 402	\$ 457
Dairy products		1002	1514	1708
Beef cattle (incl. feeders)		22889	18269	13602
Hogs		10267	6718	7236
Sheep and wool (incl. feeders)		232	562	180
Horses		-	17	-
Poultry (incl. turkeys)		256	2088	35
Eggs		1435	805	567
Corn		1292	1845	1019
Small grain		901	787	432
Other crops		582	1807	1310
Machinery and equipment sold		245	284	286
Income from work off the farm		306	347	152
Miscellaneous		276	433	381
(1) Total farm sales	\$	\$39956	\$35878	\$27365
(2) Increase in farm capital		3425	4599	4727
(3) Family living from the farm		296	340	315
(4) Total farm receipts (1)+(2)+(3)	\$	\$43677	\$40817	\$32407
FARM EXPENSES				
Dairy cattle bought	\$	\$ 16	\$ 373	\$ 80
Beef cattle bought (incl. feeders)		15227	9068	7710
Hogs bought		743	704	433
Sheep bought (incl. feeders)		26	64	17
Horses bought		-	4	-
Poultry (incl. turkeys)		146	389	59
Miscellaneous livestock expense		633	649	457
Feed		8158	5902	5230
Fertilizers		887	752	788
Other crop expense		951	1087	872
Custom work hired		808	954	642
Gas, oil and grease		1091	1256	1088
Rep. tractor, truck, auto (farm share)		704	705	598
Rep. and upkeep of real estate		343	270	71
Rep. and upkeep of crop and gen. mach.		329	445	352
Rep. and upkeep of livestock equip.		126	222	135
Wages of hired labor		981	1233	880
Electricity expense (farm share)		269	244	224
Real estate and pers. prop. taxes		1034	781	213
Cash rent		-	435	1061
General farm exp. and insurance		428	460	263
Interest paid		1541	1404	459
Total cash operating expense	\$	\$34441	\$27401	\$21632
Mechanical power bought (farm share)		115	675	749
Crop and general machinery bought		871	1278	1183
Livestock equipment bought		271	461	426
Real est. improvements & farm purchases		1564	2868	2564
(5) Total farm purchases	\$	\$37262	\$32683	\$26554
(6) Decrease in farm capital		-	-	-
(7) Interest on farm capital		2085	2137	1022
(8) Unpaid family labor		159	167	201
(9) Board furnished hired labor		52	107	47
(10) Total farm exp. (5)+(6)+(7)+(8)+(9)	\$	\$39558	\$35094	\$27824
(11) Labor earnings (4)-(10)		4119	5723	4583
(12) Ret. to cap. & fam. labor (7)+(8)+(11)		6363	8027	5806

Table 6. Household and Personal Expenses for Those Farms Which Kept Complete Accounts of These Expenses, 1960

Items	Your farm	Average of 42 farms	12 most profitable farms	12 least profitable farms
Number of persons--family		4.6	4.9	4.4
Number of adult equivalents--family other*		3.4 .1	3.8 .3	3.3 .1
EXPENSES				
Food and meals bought	\$ _____	\$ 936	\$ 1029	\$ 835
Operating and supplies		324	276	331
Furnishings and equipment		180	223	231
Clothing and clothing materials		334	363	252
Personal care and spending		115	188	94
Education and recreation		264	353	153
Gifts and special events		122	70	125
Medical and hospital insurance		411	415	289
Church and welfare		253	272	256
Personal share of auto expense		211	261	212
Upkeep on dwelling		65	34	101
Pers. share of tel. & elec. exp.		112	140	111
Total cash living expense	\$ _____	\$ 3327	\$ 3624	\$ 2990
Personal share of new autos		54	2	158
New dwelling		598	-	2012
Taxes		265	470	220
Life insurance		436	468	496
Other savings and investments		727	1487	838
Total household & pers. cash exp.	\$ _____	\$ 5407	\$ 6051	\$ 6714
Family living from the farm		309	435	278
Total cash exp. & perquisites	\$ _____	\$ 5716	\$ 6486	\$ 6992
RECEIPTS				
Return to capital and family labor	\$ _____	\$ 6628	\$ 11677	\$ 3344
Income from outside investments		109	105	123
Other personal income		1004	1606	30

* Hired help or others boarded.

Table 7. Family Living from the Farm, 1960

Items	Your farm	Average of 121 farms	Your farm	Average of 121 farms
Number of adult equivalents				
Family		3.4		
Other*		.2		
Whole milk		495 qts.	\$	\$34.39
Skim milk		23 qts.		.23
Cream		5 pts.		1.19
Cattle		757 lbs.		171.55
Hogs		379 lbs.		55.95
Sheep		10 lbs.		1.59
Poultry		68 lbs.		12.45
Eggs		114 doz.		31.85
Total			\$	\$309.20

* 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 of expenses. The combined or cumulative influence of these seven management factors on earnings is shown in Table 8. The farmer's earnings are determined to a considerable extent by his accomplishments in these seven factors.

Table 8. Relation of Labor Earnings to the Number of Factors in Which the Farmer Excels

Number of factors in which farmer excels	Number of farms	Your farm	The length of the shaded lines is in proportion to the average operator's labor earnings	Average labor earnings
None or 1	15		XXXXX	\$1477
2	20		XXXX XXXX XXXX	3722
3	31		XXXXXXXXXXXXXXXXXX	4752
4	23		XXXXXXXXXXXXXXXXXX	5910
5	14		XXXXXXXXXXXXXXXXXXXX	6596
6 or 7	18		XXXXXXXXXXXXXXXXXXXX	7991

The array in Table 8 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 9. Measures of Farm Organization and Management Efficiency, 1960

Measures used in chart on page 11	Your farm	Average of 121 farms	24 most profit- able farms	24 least profit- able farms
Labor earnings	\$ _____	\$5091	\$12819	\$-1030
Crop yields*	_____	100	105	94
Percent tillable land in high return crops**	_____	67.0	68.8	68.2
Return for \$100 feed to productive livestock***	_____	100	108	83
Productive livestock units per 100 acres ****	_____	41.7	47.5	34.1
Size of business--work units	_____	514	706	482
Work units per worker	_____	302	336	301
Pow., mach., equip., & bldg. exp. per work unit	_____	\$13.45	\$10.72	\$16.82

Items related to some of the above measures:

Index of return for \$100 feed from:

Dairy cattle (see pages 16 and 17)	_____	100	95	94
Beef cattle--breeding herd (see page 18)	_____	100	113	75
Beef cattle--feeders (see page 18)	_____	100	108	92

Hogs (see page 15)	_____	100	105	87
Sheep--farm flock (see page 19)	_____	100	115	128
Sheep--feeders	_____	100	-	-

Turkeys	_____	100	-	-
Chickens (see page 20)	_____	100	104	94

Number of animal units	_____	112.7	161.8	88.5
------------------------	-------	-------	-------	------

Work units on crops	_____	174	241	170
Work units on productive livestock	_____	322	452	285
Other work units	_____	18	13	27

Number of family workers	_____	1.3	1.4	1.3
Number of hired workers	_____	.4	.7	.3
Total number of workers	_____	1.7	2.1	1.6

Power expense per work unit	\$ _____	\$6.53	\$5.05	\$8.30
Crop machinery expense per work unit	_____	3.47	2.85	4.35
Livestock equipment expense per work unit	_____	.92	.76	1.11
Bldg. & fencing expense per work unit	_____	2.53	2.06	3.06

* Given as a percentage of the average.

** Crops are marked in Table 10 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 percent 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 121 farms included in this summary are located between the dotted lines across the center of this page.

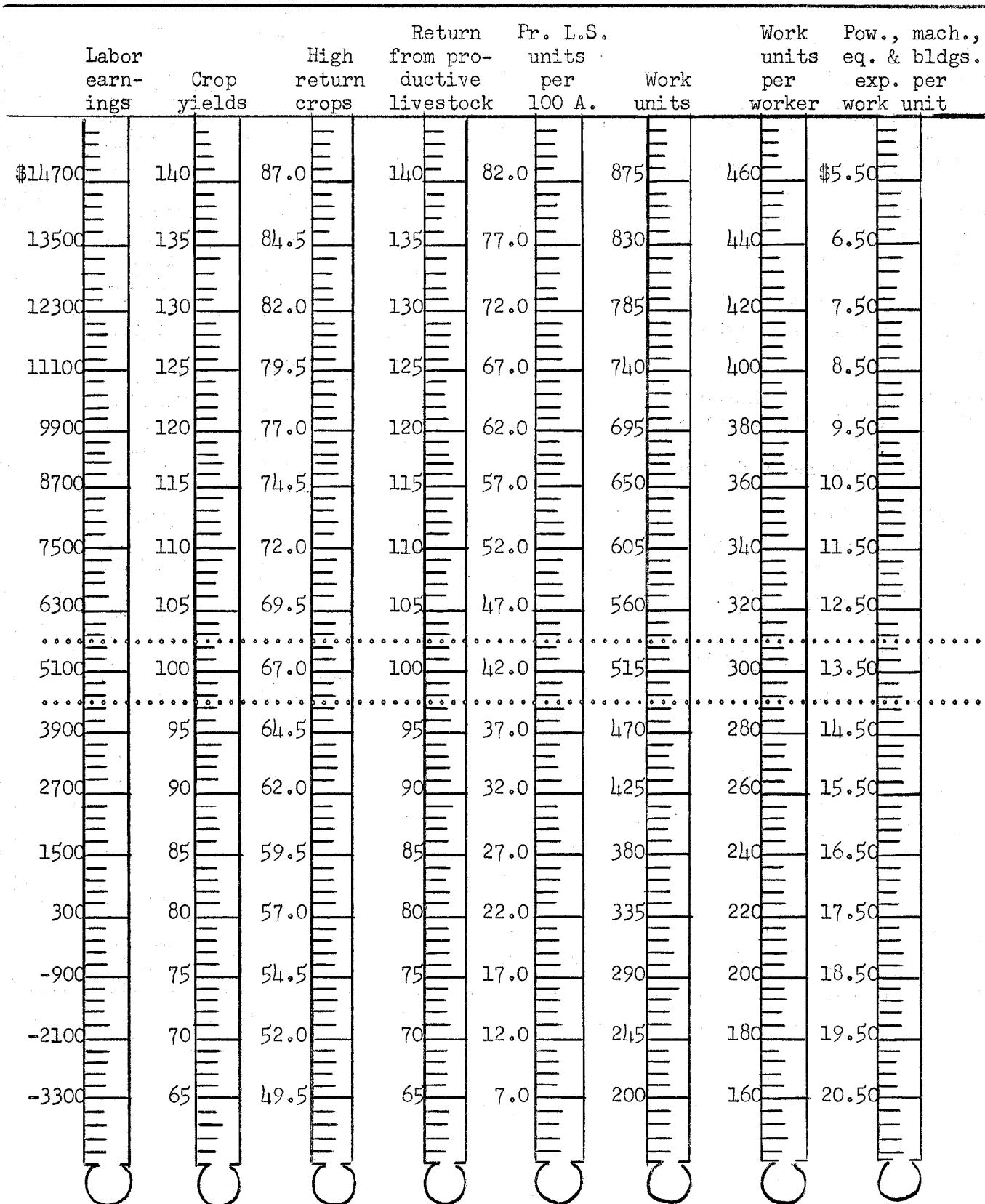


Table 10. Distribution of Acres in Farm, 1960

Crop	Crop ratings*	Number growing this crop	Your farm	Average of 121 farms
Canning peas	B	2	_____	.4
Flax	C	23	_____	6.7
Wheat	C	30	_____	3.6
Oats for silage	C	14	_____	1.9
Oats for grain	D	107	_____	33.3
Barley	D	8	_____	2.4
Total small grain and peas		116	_____	48.3
Corn grain	A	121	_____	141.1
Sweet corn	B	2	_____	.4
Soybeans for grain	B	73	_____	29.7
Corn silage	B	85	_____	14.5
Sorghum for grain	C	2	_____	.2
Total cultivated crops		121	_____	185.9
Alfalfa hay	B	120	_____	33.8
Other legumes and mixtures	C	2	_____	.4
Timothy and brome hay or seed	D	4	_____	.2
Annual hay	D	5	_____	.3
Total tillable land in hay		121	_____	34.7
Alfalfa pasture	B	55	_____	6.0
Other legumes and mixtures	C	2	_____	.1
Sudan and/or rape	C	3	_____	.2
Other tillable pasture	D	6	_____	.4
Total tillable land in pasture		57	_____	6.7
Tillable land not cropped		13	_____	1.6
Total tillable land		121	_____	277.2
Wild hay		26	_____	2.4
Non-tillable pasture		56	_____	17.4
Timber not pastured		14	_____	1.1
Roads and waste		_____	_____	11.4
Farmstead		_____	_____	11.0
Total acres in farm		_____	_____	320.5
Percent land tillable		_____	_____	86.4
Percent tillable land in high return crops		_____	_____	67.0

* A,B,C and D refer to ranking used in calculating percent of tillable land in high return crops.

Table 11. Crop Yields per Acre, 1960

Crop	Your farm	Average of farms growing each crop
Canning peas, dollars	_____	\$38.83
Flax, bu.	_____	16.1
Wheat, bu.	_____	27.8
Oat silage, tons	_____	6.2
Oats grain, bu.	_____	56.0
Barley, bu.	_____	42.7
Corn grain, bu.	_____	64.7
Sweet corn, tons	_____	2.2
Soybeans, bu.	_____	24.7
Corn silage, tons	_____	10.2
Alfalfa hay, tons	_____	2.8
Timothy or brome hay, tons	_____	2.5
Annual hay, tons	_____	1.8
Wild hay, tons	_____	.7

Table 12. Average Price of Feeds, 1960

Item	Value	Item	Value
Ear corn, per bu.	\$.96	Alfalfa hay, per ton	\$19.50
Oats, per bu.	.58	Red or alsike clover hay, per ton	16.60
Barley, per bu.	.87	Timothy, per ton	11.20
Wheat, per bu.	1.92	Wild hay, per ton	9.75
Soybean meal, per cwt.	3.85	Corn silage, per ton	6.50
Meat scraps, per cwt.	4.80	Pasture, per mo. per cow	2.50
		Skim milk per cwt.	.29

Table 13. Power and Machinery Expenses per Crop Acre, 1960

Items	Your farm	Average of 121 farms	24 most profitable farms	24 least profitable farms
Crop acres per farm	_____	271	367	265
Tractor expense per crop acre	_____	\$5.80	\$5.28	\$6.02
Crop & gen. mach. exp. per crop acre	_____	6.41	5.54	7.20

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 cows and in the total feed cost for other dairy cattle. The value of milk consumed by calves is not included in either the total returns or the feed cost of "all dairy" 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.

Table 14. Total Feed Costs and Returns from Your Livestock Enterprises, 1960

	Dairy cattle			Beef breeding herd
	Cows	Other	All	
Total returns	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____
	Feeder cattle	Hogs	Farm flock of sheep	Chickens
Total returns	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____

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 percent of the total costs of maintaining dairy cattle and poultry, 50 percent in the case of a farm flock of sheep, and 75 to 90 percent 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 15. Feed Costs and Returns from Hogs, 1960

Items	Your farm	Average of 99 farms	24 farms highest in returns above feed	24 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.				
Corn	_____	329	269	470
Small grain	_____	50	46	67
Commercial feeds	_____	79	56	57
Total concentrates	_____	458	371	594
Feed cost per cwt. hogs produced \$	_____	\$10.16	\$8.46	\$12.35
Net increase in value per cwt. hogs produced \$	_____	\$16.26	\$17.64	\$14.31
RETURNS ABOVE FEED COST PER CWT. HOGS PRODUCED \$	_____	\$ 6.10	\$ 9.18	\$ 1.96
RETURNS FOR \$100 OF FEED \$	_____	\$ 167	\$ 212	\$ 125
Price received per cwt. hogs sold \$	_____	\$15.18	\$ 15.50	\$14.98
Total number of litters raised	_____	31	29	16
Number of pigs born per litter	_____	8.6	9.0	8.1
Number of pigs weaned per litter	_____	6.7	7.0	6.0
Number of feeder pigs bought	_____	42	10	130
Total weight of feeder pigs bought	_____	2264	343	8248
Price paid per feeder pig	_____	\$12.37	\$11.06	\$13.72
Pounds of hogs produced	_____	55641	48936	39642

Table 16. Factors of Cost and Returns from Dairy Cows, 1960

Items	Your farm	Average of 29 farms	14 farms highest in butterfat per cow	14 farms lowest in butterfat per cow
Pounds of butterfat per cow	344	397	292	
Pounds of milk per cow*	10308	11311	8292	
Percent of butterfat in milk	3.4	3.5	3.5	
Price received per lb. B.F. sold (cents)	90.7	94.6	85.5	
As manufacturing cream (cents)	57.4	-	57.4	
Other (cents)	92.2	94.6	88.5	
Price received per cwt. milk sold*	\$ 3.27	\$3.34	\$3.16	
Feeds per cow, lbs.				
Corn	2338	2632	2102	
Small grain	585	755	411	
Commercial feeds	339	469	224	
Legume hay	5147	5315	4695	
Other hay	104	-	215	
Total concentrates	3262	3856	2737	
Total hay and fodder	5251	5315	4910	
Silage	9451	9857	8870	
Feed cost per cow				
Concentrates	\$ 64.68	\$76.60	\$54.24	
Roughages	81.72	84.36	76.03	
Pasture	6.24	6.74	6.18	
TOTAL FEED COST	\$152.64	\$167.70	\$136.45	
Value of produce per cow				
Dairy product sales	\$ 301.64	\$360.98	\$239.08	
Dairy produce used in home	7.60	8.32	7.09	
Milk to livestock	5.66	4.69	6.70	
Net increase in value of cows	-6.74	-6.94	-6.27	
TOTAL VALUE PRODUCED	\$308.16	\$367.05	\$246.60	
RETURNS ABOVE FEED COST PER COW	\$ 155.52	\$199.35	\$110.15	
RETURNS FOR \$100 OF FEED	\$ 206	\$225	\$188	
Feed cost per lb. B.F. (cents)	44.4	42.2	46.7	
Number of cows**	22.4	25.1	19.6	

* Average for farms selling whole milk.

** 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 17. Feed Costs and Returns from Other Dairy Cattle, 1960

Items	Your farm	Average of 29 farms	14 farms highest in butterfat per cow	14 farms lowest in butterfat per cow
Feed per head, lbs.				
Concentrates	_____	815	739	927
Hay and fodder	_____	1738	1818	1585
Silage	_____	3242	3473	2965
Whole milk	_____	143	130	152
TOTAL FEED COSTS PER HEAD	\$ _____	\$51.94	\$53.16	\$50.55
Net incr. in value of other dairy cattle	\$ _____	88.02	97.34	77.03
RETURNS ABOVE FEED COST PER HEAD	\$ _____	36.08	44.18	26.48
RETURNS FOR \$100 OF FEED	\$ _____	\$187	\$189	\$185
Number of head of other dairy	_____	29.8	28.6	31.6

Table 18. Feed Costs and Returns from All Dairy Cattle, 1960

Items	Your farm	Average of 29 farms	14 farms highest in butterfat per cow	14 farms lowest in butterfat per cow
Feeds per animal unit, lbs.				
Concentrates	_____	2547	2879	2269
Hay and fodder	_____	4664	5007	4079
Silage	_____	8537	8938	7984
TOTAL FEED COSTS PER ANIMAL UNIT	\$ _____	\$130.87	\$143.38	\$117.18
Value of produce per animal unit				
Dairy products	\$ _____	\$192.32	\$235.79	\$144.90
Net increase in value of dairy cattle	_____	62.35	64.72	60.27
TOTAL VALUE PRODUCED	\$ _____	\$254.67	\$300.51	\$205.17
RETURNS ABOVE FEED PER ANIMAL UNIT	\$ _____	\$123.80	\$157.13	\$87.99
RETURNS PER \$100 OF FEED	\$ _____	\$198	\$214	\$180
Animal units of dairy cattle	_____	37.5	39.5	35.6

Table 19. Feed Costs and Returns from Beef Cattle, 1960

Items	Your farm	Average of all farms
Beef breeding herd: No. of farms		14
Feeds per animal unit, lbs.		
Concentrates	787	
Legume	3042	
Other hay	153	
Silage	3180	
Feed cost per animal unit		
Concentrates	\$ 15.85	
Roughages	42.26	
Pasture	15.59	
TOTAL FEED COST	\$ 73.70	
Value of produce per animal unit		
Dairy products	\$ 3.36	
Net increase in value of animal	141.99	
TOTAL VALUE PRODUCED	\$ 145.35	
RETURNS ABOVE FEED COST PER ANIMAL UNIT	\$ 71.65	
RETURNS FOR \$100 OF FEED	\$ 243	
Lbs. beef produced	9361	
Number of cows and herd bulls	18.9	
Number of other beef cattle	15.3	
Number of animal units in the herd	19.7	
Feeding Cattle: No. of farms		88
Feeds per cwt. beef produced, lbs.		
Corn	570	
Small grain	30	
Commercial feeds	53	
Legume hay	211	
Other hay	11	
Total concentrates	653	
Total hay	222	
Silage	616	
Feed cost per cwt. beef produced		
Concentrates	\$ 12.29	
Roughages	4.15	
Pasture	.25	
TOTAL FEED COSTS	\$ 16.69	
Net increase in value of feeders	22.46	
RETURNS ABOVE FEED COST PER CWT. BEEF PRODUCED	5.77	
RETURNS FOR \$100 OF FEED	\$ 138	
Price paid per cwt. beef bought	\$ 25.14	
Price received for feeder cattle sold	23.63	
Number of animal units	84.2	
Pounds of beef produced	52996	

Table 20. Feed Costs and Returns from a Farm Flock of Sheep, 1960

Items	Your farm	Average of 24 farms	12 farms highest in returns above feed	12 farms lowest in returns above feed
Feeds per head, lbs.*				
Concentrates	162	178	146	
Legume hay	451	405	497	
Silage	58	20	97	
Feed cost per head				
Concentrates	\$ 3.30	\$ 3.72	\$ 2.87	
Roughages	4.66	4.02	5.30	
Pasture	1.64	1.76	1.53	
TOTAL FEED COSTS	\$ 9.60	\$ 9.50	\$ 9.70	
Value of produce per head				
Wool	\$ 4.24	\$ 4.86	\$ 3.62	
Net increase in value of sheep	10.66	14.32	6.99	
TOTAL VALUE PRODUCED	\$ 14.90	\$ 19.18	\$ 10.61	
RETURNS ABOVE FEED COST PER HEAD	\$ 5.30	\$ 9.68	\$.91	
RETURNS FOR \$100 OF FEED	\$ 190	\$ 244	\$ 135	
Price per cwt. of lambs sold	\$ 17.61	\$ 17.43	\$ 17.82	
Price per lb. wool sold (cents)	59.2	59.2	59.1	
Pounds of wool per sheep sheared	9.3	9.6	9.0	
Number of ewes kept for lambing	48	50	46	
Percent lamb crop**	108	116	101	
Percent death loss**	6.9	7.0	6.9	
Pounds of sheep produced	5262	7279	3245	
Number of head of sheep*	64.7	65.1	64.2	

* 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, 1960*

Items	Your farm	Average of 58 farms	12 farms highest in return above feed	12 farms lowest in return above feed
Feed per hen, lbs.				
Grain		75	71	69
Commercial feeds		41	38	55
Total concentrates		116	109	124
TOTAL FEED COST PER HEN	\$	\$3.22	\$3.22	\$3.45
Value of produce per hen				
Eggs sold and used in house	\$	\$4.93	\$6.21	\$4.03
Net increase in value of chickens		-.08	.16	-.28
TOTAL VALUE PRODUCED	\$	\$4.85	\$6.37	\$3.75
RETURNS ABOVE FEED COST PER HEN	\$	1.63	3.15	.30
RETURNS FOR \$100 OF FEED	\$	\$154	\$203	\$109
Price rec'd. per doz. eggs sold (cents)		29.0	30.4	27.8
Eggs laid per hen		204	246	175
Ave. no. hens on farm during year		436	610	273
Percent of hens that are pullets		83	90	74
Percent death loss of hens		8	5	11
Number of chicks started				
Pullets		410	633	193
Straight run		9	-	42
Cockerels		19	29	15
Lbs. chickens produced		1436	2446	641

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

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 22.

Table 22. Number of Work Units for Each Class of Livestock and Each Acre of Crop

Item	Number of work units	Item	Number of work units
Dairy cows	10.0 per cow	Small grain	.5 per acre
Other dairy cattle	3.5 per an. unit*	Sugar beets	1.5 per acre
Beef breeding herd	3.5 per an. unit*	Sweet corn	.7 per acre
Feeder cattle	.25 per 100 lbs.	Corn husked	.7 per acre
Sheep--farm flock	1.5 per an. unit*	Corn hogged	.4 per acre
Sheep--feeder	.3 per 100 lbs.	Corn shredded	1.5 per acre
Hogs	.2 per 100 lbs.	Corn silage	1.0 per acre
Turkeys	.5 per 100 lbs.	Corn fodder	1.0 per acre
Hens	20.0 per 100 hens	Alfalfa hay	.6 per acre
Canning peas	.5 per acre	Soybean hay	.8 per acre
Soybeans for grain	.5 per acre	Other hay crops	.4 per acre

* An animal unit represents one dairy cow or bull, two other dairy cattle, $1\frac{1}{4}$ beef cows or bull, 1 feeder steer or heifer, 3 $1\frac{1}{3}$ other beef cattle, 7 sheep, $1\frac{1}{4}$ lambs, $2\frac{1}{2}$ hogs, 5 pigs, 50 hens or 1,100 pounds of turkeys produced.

Table 23. Summary of Farm Earnings by Years

Items	Average	Average	Average	1955	1956	1957	1958	1959	1960
	1940-44	1945-49	1950-54						
Number of farms	165	140	138	146	135	131	128	136	121
Total farm capital	\$36133	\$40590	\$57692	\$64512	\$70144	\$73316	\$80689	\$87567	\$89071
Monthly charge for									
Unpaid family labor*	63	118	130	130	135	135	135	135	135
Board to hired labor*	23	33	36	36	38	38	38	38	38
FARM EXPENSES									
Dairy cattle bought	120	175	215	98	196	121	125	217	206
Beef cattle bought	1405	2027	4097	3865	5506	7050	11084	10589	10558
Hogs bought	275	447	448	384	322	462	640	559	635
Sheep bought (incl. feeders)	596	365	599	483	837	786	216	261	54
Poultry bought (incl. turkeys)	140	165	190	181	264	258	211	210	212
Horses bought	39	11	6	2	2	7	8	7	3
Misc. livestock expense	140	248	378	424	468	511	593	626	560
Misc. crop expense	402	869	1234	1690	1539	1728	2158	1956	2027
Feed bought	2041	3191	4323	4498	5291	5182	6141	6404	6250
Custom work hired	193	356	438	587	646	688	814	734	827
Power machinery (new)	320	757	864	802	634	852	1396	807	473
Power machinery (upkeep, gas, oil)	551	1081	1422	1570	1636	1786	2041	1974	2152
Crop and gen. machinery (new)	335	912	1000	719	790	1123	1112	1222	1131
Crop and gen. machinery (upkeep)	124	284	313	338	375	408	442	425	469
Livestock equipment (new)	112	99	164	241	210	332	403	450	364
Livestock equipment (upkeep)	55	111	135	144	170	207	210	238	176
Buildings and fencing (new)	341	676	881	786	618	782	1047	926	828
Building and fencing (upkeep)	149	319	312	272	254	316	365	395	311
Hired labor	593	794	883	895	863	1024	1125	1058	1017
Taxes	330	403	622	724	804	866	999	1158	1245
Insurance	33	56	90	130	153	155	147	183	190
General farm	65	118	170	197	205	187	237	226	225
Total farm purchases	\$ 8359	\$13464	\$18784	\$19030	\$21783	\$24831	\$31514	\$30625	\$29913
Decrease in farm capital	-	-	-	2132	-	-	-	1652	-
Interest on farm capital	1806	2030	2885	3226	3507	3666	4034	4378	4454
Unpaid family labor	310	377	358	355	371	341	412	416	464
Board furnished hired labor	142	107	91	95	87	89	89	102	103
Total farm expense	\$10617	\$15978	\$22118	\$24838	\$25748	\$28927	\$36049	\$37173	\$34934

* These adjustments should be considered in comparing 1960 results with previous years.

Table 23. Summary of Farm Earnings by Years (continued)

Items	Average	Average	Average	1955	1956	1957	1958	1959	1960
	1940-44	1945-49	1950-54						
FARM RECEIPTS									
Dairy cattle	\$ 383	573	695	524	438	481	704	776	593
Dairy products	783	988	1085	1091	1324	1540	1499	1797	1761
Beef cattle	3140	4246	7918	7478	10595	12392	16980	17678	19601
Hogs	3622	6775	7455	6147	5797	7577	8781	7487	7251
Sheep and wool	928	651	978	798	1344	1327	822	612	305
Poultry (incl. turkeys)	563	525	526	550	608	544	506	443	672
Eggs	597	1035	965	954	1190	953	1130	839	1078
Horses	44	23	8	4	7	5	7	4	10
Corn	584	1138	1855	3697	3385	2933	2824	2904	2443
Small grain	1031	2055	1236	920	809	595	769	941	1022
Other crops	400	879	1023	1850	1867	1666	1906	1507	1816
Machinery and equipment sold	196	364	367	222	203	280	264	359	289
Agricultural adjustment payment	370	65	64	26	76	68	22	29	96
Income from work off the farm	174	313	349	377	332	390	537	357	350
Miscellaneous	224	78	137	252	315	261	324	379	293
Total farm sales	\$13039	\$19708	\$24661	\$24890	\$28290	\$31012	\$37075	\$36112	\$37580
Increase in farm capital	1098	2395	1845	-	2423	1895	5253	-	2136
Family living from the farm	553	666	553	271	250	266	317	288	309
Total farm receipts	\$14690	\$22769	\$27059	\$25161	\$30963	\$33173	\$42645	\$36400	\$40025
Total farm expenses	10617	15978	22118	24838	25748	28927	36049	37173	34934
Labor earnings	\$ 4073	\$ 6791	\$ 4941	\$ 323	\$ 5215	\$ 4246	\$ 6596	\$ -773	\$ 5091
MEASURES OF FARM ORGANIZATION AND MANAGEMENT									
Percent high return crops*	41.2	56.4	59.7	60.6	63.0	60.8	65.2	67.2	67.0
Livestock units per 100 Acres**	23.6	20.3	30.3	36.1	37.8	39.6	39.6	43.7	41.7
Work units***	588	501	470	412	433	472	508	518	514
Work units per worker***	273	285	283	242	271	278	299	305	302
Expenses per work unit***	\$3.02	\$6.23	\$9.49	\$12.34	\$12.72	\$12.50	\$13.50	\$12.97	\$13.45

* The crop ratings used in calculating the percentage of the tillable land in high return crops was changed considerably in 1944 and 1957.

** The basis for computing animal units was revised in 1951.

*** The basis for computing work units was revised in 1953.

Table 24. Summary of Miscellaneous Items by Years

Items	Average	Average	Average	1955	1956	1957	1958	1959	1960
	1940-44	1945-49	1950-54						
RETURN ABOVE FEED COST PER									
Dairy cow	\$61.87	\$114.96	\$111.51	\$ 94.83	\$113.19	\$123.20	\$152.06	\$143.44	\$155.52
Dual-purpose cow	41.43	65.98	44.82	53.23	59.34	-	-	-	-
Animal unit in beef herd*	21.90	46.46	42.51	-6.16	-6.13	27.98	85.75	48.99	71.65
100 lbs. feeder cattle produced	3.11	8.87	5.26	1.93	4.55	10.14	9.93	2.88	5.77
Head of sheep in farm flock	4.24	8.20	4.58	4.40	8.63	8.62	4.84	4.92	5.30
100 lbs. hogs produced	4.05	6.29	6.23	.34	4.98	7.44	8.60	1.24	6.10
Hen	1.72	2.15	1.09	1.48	.96	1.07	1.64	.09	1.63
FEED COST PER									
Dairy cow	67.74	121.21	142.90	136.98	137.55	141.86	157.92	162.71	152.64
Dual-purpose cow	53.40	101.44	118.33	94.80	111.68	-	-	-	-
Animal unit in beef herd*	38.90	68.30	97.48	95.93	83.88	80.41	79.27	78.98	73.70
Cwt. of feeder cattle produced	14.56	21.66	22.68	19.06	18.09	17.44	16.31	17.61	16.69
Head of sheep in farm flock	3.26	5.62	7.84	8.94	8.76	8.28	11.07	9.05	9.60
100 lbs. hogs produced	7.36	12.70	12.95	11.17	10.76	10.39	9.82	10.24	10.16
Hen	2.28	4.28	4.66	4.02	4.18	3.91	3.64	3.71	3.22
MISCELLANEOUS LIVESTOCK INFORMATION									
Number of dairy or dual pur. cows	8.1	5.3	4.7	4.6	5.0	5.7	5.1	5.7	5.5
Head in beef breeding herd	10.5	9.4	11.1	11.7	10.0	10.0	9.0	12.1	4.1
Lbs. feeder cattle produced	9336	6676	12137	18423	23043	28405	34668	33886	38554
Litters of pigs	18.5	19.5	21.7	25.2	22.2	20.4	26.6	28.7	25.6
Lbs. of hogs produced	30411	34292	37265	42517	38898	41677	47303	51451	45578
Number of hens	197	202	187	182	222	200	214	203	210
Lbs. of B.F. per dairy cow	246	257	282	295	298	301	326	336	344
Number of pigs weaned per litter	6.1	6.3	6.7	7.0	7.3	7.3	7.3	7.0	6.7
Percent lamb crop	105	109	107	113	116	112	107	105	108
Eggs per hen	134	171	180	188	201	204	202	207	204

Table 24. Summary of Miscellaneous Items by Years (continued)

Items	Average	Average	Average	1955	1956	1957	1958	1959	1960
	1940-44	1945-49	1950-54						
PRICE RECEIVED FOR									
Pound of B.F. in milk	\$.64	\$.98	\$.94	\$.88	\$.92	\$.92	\$.91	\$.91	\$.92
Pound of B.F. in cream	.44	.73	.72	.61	.63	.65	.58	.58	.57
100 lbs. fat cattle	11.73	21.71	26.61	20.73	19.49	21.59	25.10	25.63	23.63
Pound of wool	.38	.41	.60	.42	.65	.59	.36	.53	.59
Dozen eggs	.26	.37	.35	.33	.31	.28	.30	.24	.29
100 lbs. hogs produced	4.05	6.29	6.23	.34	4.98	7.44	8.60	1.24	6.10
PRICE OF FEED									
Corn, bu.	.70	1.24	1.31	1.23	1.25	1.10	.98	.98	.96
Oats, bu.	.46	.74	.74	.61	.63	.61	.54	.58	.58
Barley, bu.	.58	1.31	1.15	.93	.94	.91	.90	.92	.87
Alfalfa hay, ton	10.00	18.60	18.30	18.00	18.50	17.00	17.75	19.75	19.50
Timothy hay, ton	6.24	10.86	10.60	10.40	10.95	9.80	10.25	11.50	11.20
Corn silage, ton	3.20	6.07	6.00	6.00	6.00	5.80	6.00	6.60	6.50
Bran, cwt.	1.80	2.98	3.05	2.65	2.55	2.50	2.40	2.60	-
Linseed oilmeal, cwt.	2.33	3.80	4.20	4.10	3.70	3.50	-	-	-
Soybean meal, cwt.	2.51	4.15	4.50	-	3.70	-	3.50	3.85	3.85
ACRES PER FARM									
Small grains	89.9	73.9	70.5	52.5	49.3	52.4	45.5	44.4	48.3
Cultivated crops	89.5	100.3	107.0	130.1	134.6	147.9	167.2	188.6	185.9
Tillable land in hay	27.4	19.1	28.1	34.1	41.1	35.8	31.0	32.6	34.7
Tillable land in pasture	24.5	15.2	14.8	15.6	16.0	12.9	11.5	9.8	6.7
Tillable land not cropped	5.1	2.4	1.4	1.0	4.8	2.5	2.7	-	1.6
Total tillable land	236.4	210.9	221.8	233.3	245.8	251.5	257.9	275.4	277.2
Non-tillable land	45.6	43.1	43.4	38.7	38.2	41.0	43.5	41.2	43.3
Total acres per farm	282.0	254.0	265.2	272.0	284.0	292.5	301.4	316.6	320.5
YIELDS PER ACRE									
Flax, bu.	10.5	13.7	11.5	15.9	9.9	9.0	15.7	14.4	16.1
Barley, bu.	25.1	34.1	29.0	34.5	25.9	26.9	48.5	37.4	42.7
Oats, bu.	40.4	46.3	41.4	55.1	39.7	42.1	67.4	54.2	56.0
Corn grain, bu.	49.7	47.8	53.7	51.5	65.0	63.5	57.8	47.6	64.7
Corn silage, tons	8.9	8.4	9.2	8.8	10.5	10.3	10.5	8.6	10.2
Soybeans, bu.	17.8	14.4	19.8	21.3	22.3	26.8	20.4	21.6	24.7
Alfalfa hay, tons	2.2	2.1	2.5	2.2	2.7	2.7	2.4	2.4	2.8