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1963
annual report

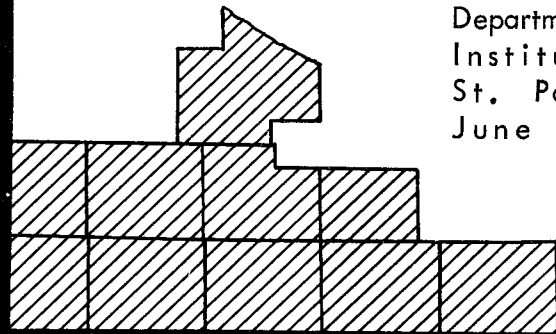
Southwestern Minnesota Farm Management Service

COOPERATING AGENCIES:

University of Minnesota, Institute of Agriculture
United States Department of Agriculture, Agricultural Research Service
County Extension Services of the 10 Southwestern Counties
Southwestern Minnesota Farm Management Association

REPORT NUMBER 276

Department of Agricultural Economics
Institute of Agriculture
St. Paul, Minnesota 55101
June 1964



1963 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. The author is indebted to Janet Otis for her assistance in the preparation of this report. The cover page was designed by Barbara Miller.

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 Harlund Routhe. Lyle Ross was the field agent for this project. At the end of the year Robert Lansford of the Department of Agricultural Economics and Wayne Wiseman, Richard Hawkins and Mervin Freeman 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 co-operated in 1963.

Southwestern Minnesota

County	No. of records	Association officers	County Agricultural Extension Agent
Cottonwood	11	Abram Ewert, Director	Herman Vossen
Faribault	18	Lloyd Abraham, Director	James V. Johnson
		Howard Paschke, Director	Gene Williams
Jackson	21	Arnold Hussong, President	Ray Palmby
		Jim Schneider, Director	
Martin	9	Daryl Beberness, Director	Floyd Bellin
Murray	16	Eldo Langfeldt, Director	Reuben Boxrud
		Arthur Foster, Secretary-treasurer	
		Brent McBeth, Director	
Nobles	33	Alex Jamieson, Vice-President	Ross Huntsinger
		Jay Strom, Director	
		Clarence Wass, Director	
Pipestone	9	William Heesch, Director	Kenneth Rose
Redwood	25	Eugene Hook, Director	Ernest Johnson
		Reinhardt Jenniges, Director	
Rock	2		Gregory Leuhr
Watonwan	8	Vernon Torkelson, Director	John Ankeny
Total	152		

The data for 143 farms are shown in the tables on succeeding pages. Nine farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis or the 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 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, 1963*

Items	Your farm		Average of 143 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			346	
Size of business (work units)**			567	
Dairy cows	\$	\$	\$ 988	\$ 994
Other dairy cattle			740	676
Beef cattle (incl. feeders)			16029	13455
Hogs			3164	2997
Sheep (incl. feeders)			154	177
Poultry (incl. turkeys)			264	265
Productive livestock (total)	\$	\$	\$21339	\$18564
Horses			17	19
Crop, seed and feed			10086	11553
Auto (farm share)			1137	1178
Tractors			2683	2870
Crop and general machinery			4913	5175
Livestock equipment and supplies			1728	1777
Machinery and equipment (total)	\$	\$	\$10461	\$11000
Land			50463	50463
Buildings, fences, etc.			15298	15068
Total farm capital managed	\$	\$	\$107664	\$106667

Items	29 most profitable		29 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	404		354	
Size of business (work units)**	645		623	
Dairy cows	\$1474	\$1732	\$ 736	\$ 515
Other dairy cattle	1100	1079	355	246
Beef cattle (incl. feeders)	8976	7777	33954	26029
Hogs	3558	3596	3247	3055
Sheep (incl. feeders)	250	369	48	77
Poultry (incl. turkeys)	352	387	135	138
Productive livestock (total)	\$15710	\$14940	\$38475	\$30060
Horses	-	2	17	20
Crop, seed and feed	9257	12221	12423	11307
Auto (farm share)	1443	1344	1193	1197
Tractors	3385	3912	2739	2819
Crop and general machinery	5680	6227	6028	6008
Livestock equipment and supplies	1792	1761	2539	2935
Machinery and equipment (total)	\$12300	\$13244	\$12499	\$12959
Land	60495	60495	47742	47742
Buildings, fences, etc.	14756	14703	19168	19020
Total farm capital managed	\$112518	\$115605	\$130324	\$121108

* 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), 1963

Items	Your farm	Average of 143 farms	29 most profitable farms	29 least profitable farms
FARM RECEIPTS				
1. Dairy cattle	\$ _____	\$ 546	\$ 640	\$ 370
2. Dairy products	_____	1694	2912	713
3. Beef cattle (incl. feeders)	_____	20512	12133	43007
4. Hogs	_____	8639	10416	8658
5. Sheep and wool (incl. feeders)	_____	213	546	40
6. Horses	_____	-	-	1
7. Poultry (incl. turkeys)	_____	485	1307	45
8. Eggs	_____	1094	1827	597
9. Corn	_____	3932	6344	2925
10. Small grain	_____	873	1136	1000
11. Other crops	_____	4862	6395	4301
12. Machinery and equipment sold	_____	313	290	463
13. Income from work off the farm	_____	502	600	576
14. Miscellaneous	_____	496	484	386
15. Total farm sales	\$ _____	\$44161	\$45030	\$63082
16. Increase in farm capital	_____	-	3087	-
17. Family living from the farm	_____	277	248	309
18. Total farm receipts	\$ _____	\$44438	\$48365	\$63391
FARM EXPENSES				
19. Dairy cattle bought	\$ _____	\$ 52	\$ 31	\$ 11
20. Beef cattle bought (incl. feeders)	_____	10854	5862	23058
21. Hogs bought	_____	830	1013	1192
22. Sheep bought (incl. feeders)	_____	50	190	25
23. Horses bought	_____	2	2	-
24. Poultry bought (incl. turkeys)	_____	239	547	112
25. Misc. livestock expenses	_____	562	711	561
26. Feed bought	_____	8334	8231	12002
27. Fertilizers bought	_____	1401	1517	1641
28. Other crop expenses	_____	1247	1411	1206
29. Custom work hired	_____	827	776	1047
30. Gas, oil and grease (farm share)	_____	1293	1276	1472
31. Rep. tractor, truck, auto (fm. sh.)	_____	778	870	835
32. Rep. and upkeep of farm real est.	_____	351	319	508
33. Rep. and upkeep of crop & gen. mach.	_____	524	563	548
34. Rep. and upkeep of lvstk. equip.	_____	223	247	314
35. Wages of hired labor	_____	1134	1224	1442
36. Electricity expense (farm share)	_____	291	289	321
37. Pers. prop. and real est. taxes	_____	1579	1762	1756
38. Telephone and general farm expense	_____	417	447	447
39. Total cash operating expense	\$ _____	\$30988	\$27288	\$48498
40. Mech. power bought (farm share)	_____	1034	1210	908
41. Crop and gen. machinery bought	_____	1310	1693	1168
42. Livestock equipment bought	_____	413	396	915
43. New real estate improvements	_____	863	1040	1246
44. Total farm purchases	\$ _____	\$34608	\$31627	\$52735
45. Decrease in farm capital	_____	997	-	9216
46. Interest on farm capital	_____	5358	5703	6286
47. Unpaid family labor	_____	586	681	659
48. Board furnished hired labor	_____	77	105	81
49. Total farm expenses	\$ _____	\$41626	\$38116	\$68977
50. Labor earnings	\$ _____	\$ 2812	\$10249	\$-5586

Table 3. Summary of Farm Earnings (Enterprise Statement), 1963*

Items	Your farm	Average of 143 farms	29 most profitable farms	29 least profitable farms
RETURNS AND NET INCREASES				
1. Dairy cows	\$ _____	\$ 1726	\$ 3047	\$ 726
2. Other dairy cattle	_____	539	900	97
3. Beef breeding herd	_____	216	100	142
4. Feeder cattle	_____	6964	5012	12056
5. Hogs	_____	7695	9482	7331
6. Sheep--farm flock	_____	173	421	42
7. Sheep--feeders	_____	14	57	1
8. Turkeys	_____	350	1022	-
9. Chickens	_____	1017	1623	559
10. All productive livestock	\$ _____	\$18694	\$21664	\$20954
11. Value of feed fed to livestock	_____	17474	16607	24580
12. Return over feed from livestock	\$ _____	\$ 1220	\$ 5057	\$-3626
13. Crops, seed and feed	_____	17598	22239	16826
14. Income from labor off the farm	_____	300	247	380
15. Agricultural conservation payments	_____	34	37	36
16. Miscellaneous	_____	462	447	350
17. Total returns and net increases	\$ _____	\$19614	\$28027	\$13966
EXPENSES AND NET DECREASES				
18. Horses	\$ _____	\$ 8	\$ 1	\$ 17
19. Truck	_____	319	356	351
20. Auto (farm share)	_____	550	529	590
21. Tractor	_____	1646	1647	1787
22. Electricity (farm share)	_____	287	291	314
23. Hired power	_____	355	323	440
24. Total power	\$ _____	\$ 3165	\$ 3147	\$ 3499
25. Crop and general machinery	_____	1668	1686	1881
26. Livestock equipment	_____	569	651	777
27. Buildings, fencing and tiling	_____	1409	1403	1798
28. Misc. productive livestock expense	_____	562	711	561
29. Labor	_____	2075	2268	2547
30. Real estate taxes	_____	1293	1504	1394
31. Personal property tax	_____	286	258	362
32. Insurance	_____	185	211	194
33. General farm expenses	_____	232	236	253
34. Interest on farm capital	_____	5358	5703	6286
35. Total expenses and net decreases	\$ _____	\$16802	\$17778	\$19552
36. Labor earnings	\$ _____	\$ 2812	\$10249	\$-5586

* 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, 1963 (Operator's Share)

Items	Your farm		24 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			266	
Owned			266	
Rented			-	
Total farm capital	\$	\$	\$90048	\$87672
Stocks and bonds			2583	2914
Life insurance			3440	3628
Notes and accounts receivable			1096	1284
Shares in cooperative organizations			1799	1998
Outside real estate			3508	3904
Cash on hand and in bank			2500	2583
Household furnishings and clothing			3443	3468
Personal share of auto			520	508
Farm dwelling			6391	7396
Total non-farm assets	\$	\$	\$25280	\$27682
Total assets	\$	\$	\$115328	\$115355
Federal Land Bank mortgage			2193	3902
Other real estate mortgages			20711	19389
Production Credit Association loans			5301	5338
Farmers Home Adm. chattel loans			101	-
Sealed grain			1142	490
Other chattel mortgages			4992	4550
Notes payable			6024	6546
Accounts payable			1271	1132
Total liabilities	\$	\$	\$41735	\$41347
Farmer's net worth	\$	\$	\$73593	\$74008
Change in net worth		\$		\$ +415

Items	28 part-owners*		26 renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Owned	188		-	
Rented	235		268	
Total farm capital	\$86949	\$87826	\$29981	\$27865
Stocks and bonds	722	758	1771	1968
Life insurance	2743	2982	2247	2525
Notes and accounts receivable	304	505	1747	2014
Shares in cooperative organizations	824	931	540	658
Outside real estate	1633	3342	-	100
Cash on hand and in bank	1784	1748	1926	1989
Household furnishings and clothing	3057	3119	2279	2370
Personal share of auto	466	449	411	460
Farm dwelling	4500	4594	211	288
Total non-farm assets	\$16033	\$18428	\$11132	\$12372
Total assets	\$102982	\$106254	\$41113	\$40237
Federal Land Bank mortgage	4535	5868	-	-
Other real estate mortgages	14630	17095	-	-
Production Credit Association loans	3028	3062	1783	1890
Farmers Home Adm. chattel loans	325	316	359	181
Sealed grain	1642	1457	373	387
Other chattel mortgages	7598	5130	6079	4151
Notes payable	11648	13152	4670	5216
Accounts payable	1565	1797	937	1512
Total liabilities	\$44971	\$47877	\$14201	\$13337
Farmer's net worth	\$58011	\$58377	\$26912	\$26900
Change in net worth		\$ +366		\$ -12

* 4 rented for cash, 13 cash and crop share, 10 crop share, and 1 lvstk and crop share.

** 5 rented for cash, 16 cash and crop share, 2 crop share, 3 lvstk and crop share.

Table 5. Summary of Farm Earnings by Tenure, 1963 (Operator's Share)

Items	Your farm	24 owners	28 part- owners	26 renters
FARM RECEIPTS				
Dairy cattle	\$ _____	\$ 127	\$ 997	\$ 409
Dairy products	_____	686	2476	1612
Beef cattle (incl. feeders)	_____	25593	20093	14626
Hogs	_____	8221	10032	7971
Sheep and wool (incl. feeders)	_____	136	523	98
Horses	_____	-	-	2
Poultry (incl. turkeys)	_____	2661	33	38
Eggs	_____	1105	1305	540
Corn	_____	3343	3271	1323
Small grain	_____	652	675	318
Other crops	_____	3708	4362	2749
Machinery and equipment sold	_____	227	415	227
Income from work off the farm	_____	328	626	227
Miscellaneous	_____	551	714	217
(1) Total farm sales	\$ _____	\$47338	\$45522	\$30357
(2) Increase in farm capital	_____	-	877	-
(3) Family living from the farm	_____	267	318	262
(4) Total farm receipts (1)+(2)+(3)	\$ _____	\$47605	\$46717	\$30619
FARM EXPENSES				
Dairy cattle bought	\$ _____	\$ 49	\$ 105	\$ 22
Beef cattle bought (incl. feeders)	_____	13299	9620	7065
Hogs bought	_____	523	1614	457
Sheep bought (incl. feeders)	_____	16	141	13
Horses bought	_____	3	2	5
Poultry bought (incl. turkeys)	_____	845	56	94
Miscellaneous livestock expense	_____	556	636	470
Feed	_____	11231	7502	7328
Fertilizers	_____	1155	1510	795
Other crop expense	_____	1004	1327	887
Custom work hired	_____	707	1073	636
Gas, oil and grease	_____	1101	1489	951
Rep. tractor, truck, auto (farm share)	_____	648	881	546
Rep. and upkeep of real estate	_____	345	374	113
Rep. and upkeep of crop and gen. machinery	_____	425	662	368
Rep. and upkeep of livestock equipment	_____	185	209	133
Wages of hired labor	_____	1047	1229	648
Electricity expense (farm share)	_____	272	324	234
Real estate and personal property taxes	_____	1271	991	200
Cash rent	_____	-	708	956
General farm expense and insurance	_____	446	523	248
Interest paid	_____	2049	2027	676
Total cash operating expense	\$ _____	\$37177	\$33003	\$22845
Mechanical power bought (farm share)	_____	463	1319	832
Crop and general machinery bought	_____	767	1340	874
Livestock equipment bought	_____	297	366	141
Real estate improvements and farm purchases	_____	1261	4202	241
(5) Total farm purchases	\$ _____	\$39965	\$40230	\$24933
(6) Decrease in farm capital	_____	2376	-	2116
(7) Interest on farm capital	_____	2394	2342	770
(8) Unpaid family labor	_____	248	193	284
(9) Board furnished hired labor	_____	37	105	79
(10) Total farm expense (5)+(6)+(7)+(8)+(9)	\$ _____	\$45020	\$42870	\$28182
(11) Labor earnings (4)-(10)	\$ _____	\$ 2585	\$ 3847	\$ 2437
(12) Ret. to cap. & fam. labor (7)+(8)+(11)	\$ _____	\$ 5227	\$ 6382	\$ 3491

Table 6. Household and Personal Expenses for Those Farms Which Kept Complete Accounts of These Expenses, 1963

Items	Your farm	Average of 65 farms	13 most profit- able farms	13 least profit- able farms
Number of persons--family	_____	4.8	5.5	4.3
Number of adult equivalents--family	_____	3.9	4.3	3.7
other*	_____	.2	.2	.1
EXPENSES				
Food and meals bought	\$ _____	\$1084	\$1068	\$1137
Operating and supplies	_____	335	322	295
Furnishings and equipment	_____	272	276	252
Clothing and clothing materials	_____	425	451	403
Personal care and spending	_____	150	212	170
Education and recreation	_____	350	362	378
Gifts and special events	_____	141	138	167
Medical and hospital insurance	_____	450	435	450
Church and welfare	_____	255	253	253
Personal share of auto expense	_____	227	269	277
Upkeep on dwelling	_____	35	41	18
Pers. share of tel. & elec. expense	_____	130	126	107
Total cash living expense	\$ _____	\$3854	\$3953	\$3907
Personal share of new autos	_____	132	157	46
New dwelling	_____	388	615	192
Taxes	_____	478	545	461
Life insurance	_____	494	672	345
Other savings and investments	_____	534	1357	11
Total household & pers. cash expense	\$ _____	\$5880	\$7299	\$4962
Family living from the farm	_____	272	283	195
Total cash expense & perquisites	\$ _____	\$6152	\$7582	\$5157
RECEIPTS				
Return to capital and family labor	\$ _____	\$4184	\$11370	\$-1129
Income from outside investments	_____	113	14	86
Other personal income	_____	670	727	1058

* Hired help or others boarded.

Table 7. Family Living from the Farm, 1963

Items	Your farm	Average of 143 farms	Your farm	Average of 143 farms
Number of adult equivalents:				
Family	_____	3.9		
Other	_____	.2		
Whole milk	_____	446 qts.	\$ _____	\$34.67
Cream	_____	2 pts.	_____	.35
Cattle	_____	783 lbs.	_____	163.15
Hogs	_____	380 lbs.	_____	53.02
Sheep	_____	6 lbs.	_____	.79
Poultry	_____	56 lbs.	_____	8.90
Eggs	_____	63 doz.	_____	16.17
Total			\$ _____	\$277.05

* 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.¹ 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, 1 or 2	42	_____	XXXXXXXXXXXXXXXXXXXX	\$2208
3 or 4	61	_____	XXXXXXXXXXXXXXXXXXXX	2775
5, 6 or 7	40	_____	XXXXXXXXXXXXXXXXXXXX	3501

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.

1. Nodland, T. R., and G. A. Pond, "Some Factors Affecting the Earnings of Farmers in Southwestern Minnesota." University of Minnesota Department of Agricultural Economics, Report No. 219, November 1954.

Table 9. Measures of Farm Organization and Management Efficiency, 1963

Measures used in chart on page 11	Your farm	Average of 143 farms	29 most profit- able farms	29 least profit- able farms
Labor earnings	\$_____	\$2812	\$10249	\$-5586
Crop yields*	_____	100	108	93
Percent tillable land in high return crops**	_____	67.1	67.6	66.0
Return for \$100 feed to productive livestock***	_____	100	110	84
Productive livestock units per 100 acres****	_____	44.8	38.4	61.1
Size of business--work units	_____	567	645	623
Work units per worker	_____	334	358	346
Pow., mach., equip., & bldg. exp. per work unit	\$_____	\$13.07	\$11.45	\$13.31
Items related to some of the above measures:				
Index of return for \$100 feed from:				
Dairy cattle (see pages 16 and 17)	_____	100	114	86
Beef cattle--breeding herd (see page 18)	_____	100	-	-
Beef cattle--feeders (see page 18)	_____	100	120	84
Hogs (see page 15)	_____	100	110	93
Sheep--farm flock (see page 19)	_____	100	125	-
Sheep--feeders	_____	100	-	-
Turkeys	_____	100	-	-
Chickens (see page 20)	_____	100	118	97
Number of animal units	_____	134.3	121.8	195.3
Work units on crops	_____	173	198	187
Work units on productive livestock	_____	364	422	398
Other work units	_____	30	25	38
Number of family workers	_____	1.3	1.3	1.3
Number of hired workers	_____	.4	.5	.5
Total number of workers	_____	1.7	1.8	1.8
Power expense per work unit	\$_____	\$6.12	\$5.31	\$5.90
Crop machinery expense per work unit	_____	3.29	2.95	3.08
Livestock equipment expense per work unit	_____	1.00	.99	1.27
Bldg. & fencing expense per work unit	_____	2.66	2.20	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 143 farms included in this summary are located between the dotted lines across the center of this page.

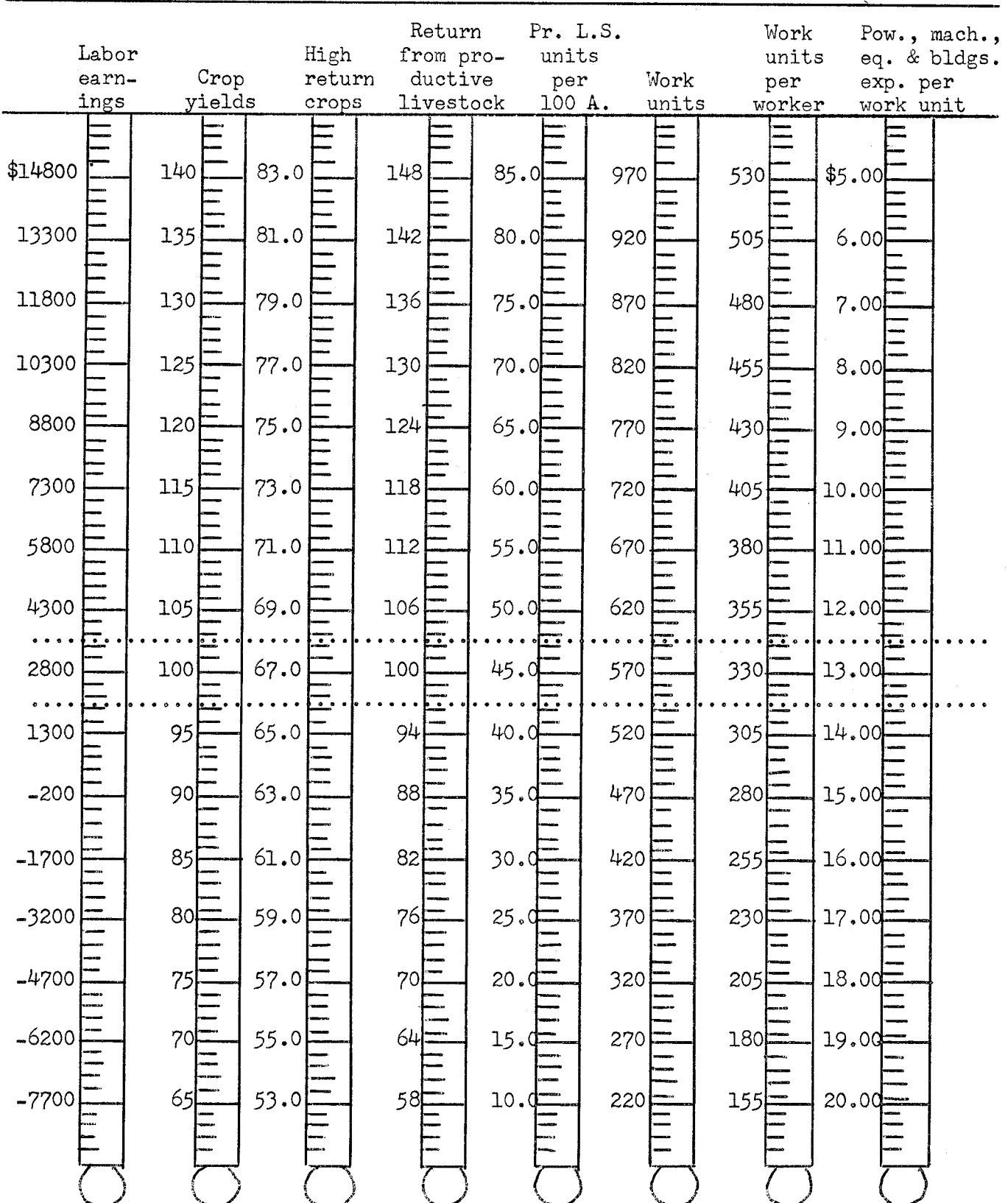


Table 10. Distribution of Acres in Farm, 1963

Crop	Crop ratings*	Number growing this crop	Your farm	Average of 143 farms	Ave. per farm growing each crop
Canning peas	B	4	_____	.9	34.0
Flax	C**	34	_____	9.2	38.7
Wheat	C	38	_____	4.5	17.1
Oats for silage	C	18	_____	2.1	16.7
Oats for grain	D	101	_____	23.5	33.2
Barley and rye	D	4	_____	.3	9.9
Total small grain and peas		125	_____	40.5	46.4
Corn grain	A	143	_____	135.4	135.4
Soybeans for grain	B	114	_____	47.0	59.0
Sweet corn	B	5	_____	.9	25.8
Corn silage	B	94	_____	15.0	22.7
Total cultivated crops		143	_____	198.3	198.3
Alfalfa hay	B	134	_____	29.1	31.0
Other legumes	C	3	_____	.4	18.3
Timothy and brome hay or seed	D	4	_____	.6	20.7
Annual hay	D	5	_____	.5	13.0
Total tillable land in hay		137	_____	30.6	31.8
Alfalfa pasture	B	64	_____	5.4	12.0
Other tillable pasture	D	7	_____	.3	4.2
Total tillable land in pasture		68	_____	5.7	12.1
Feed grain program	B	104	_____	25.3	34.8
Tillable land not cropped	D	10	_____	.8	11.4
Total tillable land		143	_____	301.2	301.2
Wild hay		31	_____	2.2	10.2
Non-tillable pasture		69	_____	18.6	38.5
Timber not pastured		12	_____	1.1	13.3
Roads and waste			_____	12.9	
Farmstead			_____	10.3	
Total acres in farm			_____	346.3	
Percent land tillable			_____	87.0	
Percent tillable land in high return crops			_____	67.1	

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

** Flax on land in feed grain program was given a rating of B.

Table 11. Crop Yields per Acre, 1963

Crop	Your farm	Average of farms growing each crop
Canning peas, dollars	\$ _____	\$38.52
Flax, bu.	_____	12.8
Wheat, bu.	_____	21.3
Oat silage, tons	_____	5.8
Oats grain, bu.	_____	50.1
Barley, bu.	_____	30.5
Corn grain, bu.	_____	78.0
Soybeans, bu.	_____	27.7
Sweet corn, tons	_____	3.8
Corn silage, tons	_____	12.3
Alfalfa hay, tons	_____	3.1
Timothy or brome hay, tons	_____	2.3
Annual hay, tons	_____	2.8
Feed grain program, dollars	\$ _____	\$49.16
Wild hay, tons	_____	.6

Table 12. Average Price of Feeds, 1963

Items	Value	Items	Value
Ear corn, per bu.	\$1.05	Alfalfa hay, per ton	\$19.00
Oats, per bu.	.62	Red or alsike clover hay, per ton	16.10
Barley, per bu.	.84	Timothy, per ton	11.00
Wheat, per bu.	2.05	Wild hay, per ton	9.50
Soybean meal, per cwt.	4.60	Corn silage, per ton	6.50
Meat scraps, per cwt.	5.90	Pasture, per mo. per cow	3.00
		Skim milk, per cwt.	.32

Table 13. Power and Machinery Expenses per Crop Acre, 1963

Items	Your farm	Average of 143 farms	29 most profitable farms	29 least profitable farms
Crop acres per farm	_____	272	322	284
Tractor expense per crop acre	\$ _____	\$6.34	\$5.34	\$6.45
Crop & gen. mach. exp. per crop acre	_____	6.40	5.39	6.46

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, 1963

	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 fuel.

Table 15. Feed Costs and Returns from Hogs, 1963

Items	Your farm	94 farms with breeding stock			26 farms with purchased feeder pigs
		Average of 94 farms	19 farms highest in returns above feed	19 farms lowest in returns above feed	
Feed per cwt. hogs produced, lbs.					
Corn	_____	327	268	436	409
Small grain	_____	50	45	64	27
Commercial feeds	_____	74	65	78	58
Total concentrates	_____	451	378	578	494
Feed cost per cwt. hogs produced	\$ _____	\$11.38	\$ 9.54	\$14.43	\$11.47
Net increase in value per cwt. hogs produced	\$ _____	\$13.81	\$15.24	\$12.71	\$11.25
Return above feed cost per cwt. hogs produced	\$ _____	\$ 2.43	\$ 5.70	\$-1.72	\$ -.22
RETURN FOR \$100 FEED	\$ _____	\$126	\$162	\$ 90	\$105
Price received per cwt. hogs sold	\$ _____	\$14.79	\$15.19	\$14.38	\$14.83
Total number of litters raised	_____	45	49	31	3
Number of pigs born per litter	_____	8.9	9.4	8.2	9.7
Number of pigs weaned per litter	_____	7.1	7.8	6.1	6.4
Number of feeder pigs bought	_____	11	15	9	238
Total weight feeder pigs bought	_____	381	574	309	9590
Price paid per feeder pig	_____	\$10.76	\$10.03	\$11.98	\$11.84
Pounds of hogs produced	_____	71849	71864	43374	49519

Table 16. Factors of Cost and Returns from Dairy Cows, 1963

Items	Your farm	Average of 28 farms	14 farms highest in butterfat per cow	14 farms lowest in butterfat per cow
Pounds of butterfat per cow	_____	346	398	294
Pounds of milk per cow*	_____	9872	11476	8269
Percent of butterfat in milk	_____	3.5	3.5	3.6
Price received per lb. BF sold (cents)	_____	92.8	94.2	91.4
Price received per cwt. milk sold*	\$ _____	\$3.26	\$3.27	\$3.26
Feeds per cow, lbs.				
Corn	_____	3238	3303	3172
Small grain	_____	694	742	647
Commercial feeds	_____	391	383	400
Legume hay	_____	5513	4848	6179
Other hay	_____	183	366	-
Total concentrates	_____	4323	4428	4219
Total hay and fodder	_____	5696	5214	6179
Silage	_____	8570	8107	9032
Feed cost per cow				
Concentrates	\$ _____	\$95.11	\$98.34	\$91.88
Roughages	_____	77.68	71.98	83.39
Pasture	_____	8.97	10.56	7.37
TOTAL FEED COST	\$ _____	\$181.76	\$180.88	\$182.64
Value of produce per cow				
Dairy product sales	\$ _____	\$309.68	\$361.43	\$257.93
Dairy produce used in home	_____	6.36	5.84	6.88
Milk to livestock	_____	6.11	7.44	4.78
Net increase in value of cows	_____	-10.83	-20.07	-1.60
TOTAL VALUE PRODUCED	\$ _____	\$311.32	\$354.64	\$267.99
RETURNS ABOVE FEED COST PER COW	\$ _____	\$129.56	\$173.76	\$ 85.35
RETURNS FOR \$100 OF FEED	\$ _____	\$176	\$198	\$152
Feed cost per pound BF (cents)	_____	52.3	45.4	62.1
Number of cows**	_____	26.8	28.8	24.8

* 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 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, 1963

Items	Your farm	Average of 28 farms	14 farms highest in butterfat per cow	14 farms lowest in butterfat per cow
Feed per head, lbs.				
Concentrates	_____	820	989	651
Hay and fodder	_____	2157	2160	2154
Silage	_____	3300	2695	3905
Whole milk	_____	229	321	137
TOTAL FEED COST PER HEAD	\$ _____	\$58.19	\$62.75	\$53.64
Net increase in value of other dairy cattle	\$ _____	\$83.83	\$94.77	\$72.91
RETURNS ABOVE FEED COST PER HEAD	_____	\$25.64	\$32.02	\$19.27
RETURNS FOR \$100 OF FEED	\$ _____	\$153	\$147	\$159
Number of head of other dairy	_____	32.9	33.1	32.8

Table 18. Feed Costs and Returns from All Dairy Cattle, 1963

Items	Your farm	Average of 28 farms	14 farms highest in butterfat per cow	14 farms lowest in butterfat per cow
Feed per cow, lbs.				
Concentrates	_____	5356	5568	5144
Hay and fodder	_____	8125	7395	8854
Silage	_____	12888	10899	14879
TOTAL FEED COST PER COW	\$ _____	\$242.12	\$236.96	\$247.28
Value of produce per cow				
Dairy products	\$ _____	\$316.14	\$367.26	\$265.02
Net increase in value of dairy cattle	_____	76.98	64.87	89.09
TOTAL VALUE PRODUCED	\$ _____	\$393.12	\$432.13	\$354.11
RETURNS ABOVE FEED PER COW	\$ _____	\$151.00	\$195.17	\$106.83
RETURNS PER \$100 OF FEED	\$ _____	\$166	\$185	\$147

Table 19. Feed Costs and Returns from Beef Cattle, 1963

Items	Your farm	Average of all farms
Beef breeding herd: Number of farms		12
Feed per animal unit, lbs.		
Concentrates	_____	542
Legume hay	_____	2997
Other hay	_____	194
Silage	_____	3074
Feed cost per animal unit		
Concentrates	\$ _____	\$18.78
Roughages	_____	36.90
Pasture	_____	21.75
TOTAL FEED COST	\$ _____	\$77.43
TOTAL VALUE PRODUCED	\$ _____	\$96.48
RETURNS ABOVE FEED COST PER ANIMAL UNIT	\$ _____	\$19.05
RETURNS FOR \$100 OF FEED	\$ _____	\$118
Pounds of beef produced	_____	11776
Number of cows and herd bulls	_____	32.3
Number of other beef cattle	_____	24.1
Number of animal units in the herd	_____	33.1
Feeder cattle: Number of farms		111
Feeds per cwt. beef produced, lbs.		
Corn	_____	629
Small grain	_____	13
Commercial feeds	_____	49
Legume hay	_____	294
Other hay	_____	14
Total concentrates	_____	691
Total hay	_____	308
Silage	_____	489
Feed cost per cwt. beef produced		
Concentrates	\$ _____	\$14.54
Roughages	_____	4.29
Pasture	_____	.32
TOTAL FEED COSTS	\$ _____	\$19.15
Net increase in value of feeders	\$ _____	\$13.06
RETURNS ABOVE FEED COST PER CWT. BEEF PRODUCED	\$ _____	\$-6.09
RETURNS FOR \$100 OF FEED	\$ _____	\$ 80
Price paid per cwt. beef bought	\$ _____	\$24.68
Price received for feeder cattle sold	\$ _____	\$22.33
Number of animal units	_____	98.2
Pounds of beef produced	_____	61434

Table 20. Feed Costs and Returns from a Farm Flock of Sheep, 1963

Items	Your farm	Average of 17 farms
Feeds per ewe, lbs.		
Concentrates	_____	148
Legume hay	_____	659
Other hay	_____	1
Silage	_____	47
Feed cost per ewe		
Concentrates	\$ _____	\$3.30
Roughages	_____	6.18
Pasture	_____	4.20
TOTAL FEED COSTS	\$ _____	\$13.68
Value of produce per ewe		
Wool	\$ _____	\$ 7.06
Net increase in value of sheep	_____	18.89
TOTAL VALUE PRODUCED	\$ _____	\$25.95
RETURNS ABOVE FEED COST PER EWE	\$ _____	\$12.27
RETURNS FOR \$100 OF FEED	\$ _____	\$203
Price per cwt. of lambs sold	\$ _____	\$19.18
Price per pound of wool sold (cents)	_____	56.0
Pounds of wool per sheep sheared	_____	9.5
Percent lamb crop*	_____	114
Percent death loss*	_____	7.8
Pounds of sheep produced	_____	5758
Number of head of ewes	_____	54

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

Table 21. Feed Costs and Returns from Chickens, 1963*

Items	Your farm	Average of 45 farms	11 farms highest in returns above feed	11 farms lowest in returns above feed
Feed per hen, lbs.				
Grain	_____	72	73	71
Commercial feeds	_____	41	35	50
Total concentrates	_____	113	108	121
TOTAL FEED COST PER HEN	\$ _____	\$3.51	\$3.39	\$3.66
Value of produce per hen				
Eggs sold and used in home	\$ _____	\$4.57	\$5.55	\$3.52
Net increase in value of chickens	_____	-.37	-.06	-.58
TOTAL VALUE PRODUCED	\$ _____	\$4.20	\$5.49	\$2.94
RETURNS ABOVE FEED COST PER HEN	\$ _____	\$.69	\$2.10	\$-.72
RETURNS FOR \$100 OF FEED	\$ _____	\$122	\$167	\$ 79
Price rec'd per doz. eggs sold (cents)	_____	26.5	28.4	25.1
Eggs laid per hen	_____	208	237	170
Ave. number of hens on farm during year	_____	730	1214	603
Percent of hens that are pullets	_____	70	77	57
Percent death loss of hens	_____	6	4	10
Number of chicks started				
Pullets	_____	440	843	100
Cockerels	_____	30	20	41
Number of pullet hens bought	_____	149	41	507
Number of older hens bought	_____	24	-	-

* 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 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 1,100 pounds of turkeys produced.

Table 23. Summary of Farm Earnings by Years

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963
Number of farms	165	140	138	135	121	127	136	143
Total farm capital managed	\$36133	\$40590	\$57692	\$75246	\$89567	\$92876	\$100800	\$107166
Monthly charge for								
Unpaid family labor*	63	118	130	134	135	150	150	150**
Board to hired labor*	23	33	36	38	38	40	40	40
FARM EXPENSES								
Dairy cattle bought	\$ 120	\$ 175	\$ 215	\$ 151	\$ 206	\$ 190	\$ 128	\$ 52
Beef cattle bought	1405	2027	4097	7619	10558	12429	12583	10854
Hogs bought	275	447	448	473	635	672	704	830
Sheep bought (incl. feeders)	596	365	599	517	54	207	13	50
Poultry bought (incl. turkeys)	140	165	190	225	212	235	238	239
Horses bought	39	11	6	5	3	3	2	2
Miscellaneous livestock expense	140	248	378	525	560	607	594	562
Miscellaneous crop expense	402	869	1234	1814	2027	2106	2203	2648
Feed bought	2041	3191	4323	5503	6250	6233	7707	8334
Custom work hired	193	356	438	694	827	854	929	827
Power machinery (new)	320	757	864	898	473	844	1022	1034
Power machinery (upkeep, gas, oil)	551	1081	1422	1802	2152	2105	2261	2362
Crop and general machinery (new)	335	912	1000	993	1131	921	1147	1310
Crop and general machinery (upkeep)	124	284	313	398	469	423	470	524
Livestock equipment (new)	112	99	164	327	364	388	503	413
Livestock equipment (upkeep)	55	111	135	194	176	215	218	223
Buildings and fencing (new)	341	676	881	832	828	1424	1126	863
Buildings and fencing (upkeep)	149	319	312	320	311	326	353	351
Hired labor	593	794	883	993	1017	1072	1074	1134
Taxes	330	403	622	910	1245	1287	1413	1579
Insurance	33	56	90	154	190	190	201	185
General farm expense	65	118	170	210	225	228	230	232
Total farm purchases	\$ 8359	\$13464	\$18784	\$25557	\$29913	\$32959	\$35119	\$34608
Decrease in farm capital	-	-	-	-	-	-	-	997
Interest on farm capital	1806	2030	2885	3762	4454	4644	5040	5358
Unpaid family labor	310	377	358	379	464	492	464	586
Board furnished hired labor	142	107	91	92	103	69	76	77
Total farm expense	\$10617	\$15978	\$22118	\$29790	\$34934	\$38164	\$40699	\$41626

* These adjustments should be considered in comparing 1963 results with previous years.

** A charge of \$200 per month was made for the second operator on a farm.

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

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963
FARM RECEIPTS								
Dairy cattle	\$ 383	\$ 573	\$ 695	\$ 585	\$ 593	\$ 614	\$ 496	\$ 546
Dairy products	783	988	1085	1450	1761	2027	1608	1694
Beef cattle	3140	4246	7918	13025	19601	18855	21109	20512
Hogs	3622	6775	7455	7158	7251	8528	9038	8639
Sheep and wool	928	651	978	981	305	279	318	213
Poultry (including turkeys)	563	525	526	530	672	429	448	485
Eggs	597	1035	965	1013	1078	989	1157	1094
Horses	44	23	8	5	10	3	4	-
Corn	584	1138	1855	3149	2443	2799	3427	3932
Small grain	1031	2055	1236	807	1022	1147	708	873
Other crops	400	879	1023	1759	1816	2995	3421	4862
Machinery and equipment sold	196	364	367	266	289	417	298	313
Agricultural adjustment payment	370	65	64	44	96	34	25	34
Income from work off the farm	174	313	349	398	350	305	346	502
Miscellaneous	224	78	137	306	293	358	444	462
Total farm sales	\$13039	\$19708	\$24661	\$31476	\$37580	\$39779	\$42847	\$44161
Increase in farm capital	1098	2395	1845	1157	2136	3483	2243	-
Family living from the farm	553	666	553	278	309	284	299	277
Total farm receipts	\$14690	\$22769	\$27059	\$32911	\$40025	\$43546	\$45389	\$44438
Total farm expenses	10617	15978	22118	29790	34934	38164	40699	41626
Labor earnings	\$ 4073	\$ 6791	\$ 4941	\$ 3121	\$ 5091	\$ 5382	\$ 5690	\$ 2812
MEASURES OF FARM ORGANIZATION AND MANAGEMENT								
Percent high return crops*	41.2	56.4	59.7	63.4	67.0	69.9	69.4	67.1
Livestock units per 100 acres**	23.6	20.3	30.3	39.4	41.7	44.2	43.6	44.8
Work units***	588	501	470	469	514	510	510	567
Work units per worker***	273	285	283	279	302	300	300	334
Expenses per work unit***	\$3.02	\$6.23	\$9.49	\$12.81	\$13.45	\$13.73	\$14.30	\$13.07

* The crop ratings used in calculating the percentage of the tillable land in high return crops were 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 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963
RETURN ABOVE FEED COST PER								
Dairy cow	\$61.87	\$114.96	\$111.51	\$125.34	\$155.52	\$156.03	\$115.38	\$129.56
Animal unit in beef herd	21.90	46.46	42.51	30.08	71.65	23.81	27.49	19.05
100 lbs. feeder cattle produced	3.11	8.87	5.26	5.88	5.77	2.48	6.18	-6.09
Ewe	-	-	-	-	7.14	2.93	4.80	12.27
100 lbs. hogs produced	4.05	6.29	6.23	4.52	6.10	5.44	4.53	1.85
Hen	1.72	2.15	1.09	1.05	1.63	.97	.64	.69
FEED COST PER								
Dairy cow	67.74	121.21	142.90	147.40	152.64	177.88	203.16	181.76
Animal unit in beef herd	38.90	68.30	97.48	83.69	73.70	76.40	65.04	77.43
100 lbs. feeder cattle produced	14.56	21.66	22.68	17.70	16.69	17.59	19.33	19.15
Ewe	-	-	-	-	12.94	12.92	13.06	13.68
100 lbs. hogs produced	7.36	12.70	12.95	10.48	10.16	10.20	10.73	11.40
Hen	2.28	4.28	4.66	3.89	3.22	3.56	3.50	3.51
MISCELLANEOUS LIVESTOCK INFORMATION								
Number of dairy cows	8.1	5.3	4.7	5.2	5.5	5.9	5.1	5.4
Head in beef breeding herd	10.5	9.4	11.1	10.6	4.1	5.3	4.5	4.9
Pounds feeder cattle produced	9336	6676	12137	27685	38554	39059	40633	47896
Litters of pigs	18.5	19.5	21.7	24.6	25.6	28.9	28.2	30.0
Pounds of hogs produced	30411	34292	37265	44369	45578	51584	53713	56129
Number of hens	197	202	187	204	210	190	239	232
Pounds of BF per dairy cow	246	257	282	311	344	352	340	346
Number of pigs weaned per litter	6.1	6.3	6.7	7.2	6.7	7.2	7.0	7.1
Percent lamb crop	105	109	107	111	108	99	90	114
Eggs per hen	134	171	180	200	204	208	209	208

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

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963
PRICE RECEIVED FOR								
Pound of BF in milk	\$.64	\$.98	\$.94	\$.91	\$.92	\$.97	\$.94	\$.93
100 pounds fat cattle	11.73	21.71	26.61	22.51	23.63	22.43	24.46	22.33
Pound of wool	.38	.41	.60	.51	.59	.54	.62	.56
Dozen eggs	.26	.37	.35	.29	.29	.29	.26	.26
100 pounds hogs sold	10.86	19.54	19.43	15.96	15.18	16.43	16.17	14.80
PRICE OF FEED								
Corn, bu.	.70	1.24	1.31	1.11	.96	.94	.96	1.05
Oats, bu.	.46	.74	.74	.59	.58	.60	.61	.62
Barley, bu.	.58	1.31	1.15	.92	.87	.93	.99	.84
Alfalfa hay, ton	10.00	18.60	18.30	18.20	19.50	19.50	19.00	19.00
Timothy hay, ton	6.24	10.86	10.60	10.58	11.20	11.30	11.00	11.00
Corn silage, ton	3.20	6.07	6.00	6.08	6.50	6.75	6.50	6.50
Soybean meal, cwt.	2.51	4.15	4.50	-	3.85	4.35	4.40	4.60
ACRES PER FARM								
Small grains	89.9	73.9	70.5	48.8	48.3	40.4	40.7	40.5
Cultivated crops	89.5	100.3	107.0	153.7	185.9	167.6	169.7	198.3
Tillable land in hay	27.4	19.1	28.1	34.9	34.7	29.5	28.7	30.6
Tillable land in pasture	24.5	15.2	14.8	13.2	6.7	8.3	7.3	5.7
Tillable land not cropped	5.1	2.4	1.4	2.2	1.6	26.1*	39.2*	26.1*
Total tillable land	236.4	210.9	221.8	252.8	277.2	271.9	285.6	301.2
Non-tillable land	45.6	43.1	43.4	40.5	43.3	41.5	45.6	45.1
Total acres per farm	282.0	254.0	265.2	293.3	320.5	313.4	331.2	346.3
YIELDS PER ACRE								
Flax, bu.	10.5	13.7	11.5	13.0	16.1	16.8	9.8	12.8
Barley, bu.	25.1	34.1	29.0	34.6	42.7	42.6	25.0	30.5
Oats, bu.	40.4	46.3	41.4	51.7	56.0	59.9	48.6	50.1
Corn grain, bu.	49.7	47.8	53.7	57.1	64.7	74.6	66.2	78.0
Corn silage, tons	8.9	8.4	9.2	9.7	10.2	13.9	10.8	12.3
Soybeans, bu.	17.8	14.4	19.8	22.5	24.7	27.4	23.2	27.7
Alfalfa hay, tons	2.2	2.1	2.5	2.5	2.8	3.1	3.0	3.1

* Including feed grain program.