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1962

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

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Report No. 269
Department of Agricultural Economics
Institute of Agriculture
St. Paul 1, Minnesota
May, 1963

1962 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 assisted in the preparation of 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. Lyle Ross was the field agent for this project. At the end of the year Robert Lansford 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 co-operated in 1962.

Southwestern Minnesota

County	No. of records	Association officers	County Agricultural Extension Agent
Cottonwood	15	Jan Wassenaar, Director	Herman Vossen
Faribault	19	Lester Coy, Director	James V. Johnson
		Harry Marks, Director	
Jackson	22	Arnold Hussong, Vice-president	Ray Palmby
		Jim Schneider, Director	
Martin	9	John Worthly, Director	Floyd Bellin
Murray	18	Eldo Langfeldt, Director	Reuben Boxrud
		Arthur Foster, Sec.-Treasurer	
		Brent McBeth, Director	
Nobles	30	Alex Jamieson, Director	Ross Huntsinger
		Michael Thompson, Director	
		Clarence Wass, Director	
Pipestone	10	William Heesch, Director	Kenneth Rose
Redwood	25	William Behrends, President	Ernest Johnson
		Bernard Fultz, Director	
Rock	2		Gregory Leuhr
Watsonwan	<u>7</u>	Vernon Torkelson, Director	John Ankeny
Total	157		

The data for 136 farms are shown in the tables on succeeding pages. Twenty-one 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, 1962*

Items	Your farm		Average of 136 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			331	
Size of business (work units)**			510	
Dairy cows	\$	\$	\$ 996	\$ 1033
Other dairy cattle			713	751
Beef cattle (incl. feeders)			13281	15307
Hogs			3289	3178
Sheep (incl. feeders)			291	180
Poultry (incl. turkeys)			290	281
Productive livestock (total)	\$	\$	\$18860	\$20730
Horses			22	20
Crop, seed and feed			10198	9899
Auto (farm share)			1085	1117
Tractors			2455	2651
Crop and general machinery			4456	4585
Livestock equipment and supplies			1400	1605
Machinery and equipment (total)	\$	\$	\$ 9396	\$ 9958
Land			46944	46944
Buildings, fences, etc.			14259	14371
Total farm capital	\$	\$	\$99679	\$101922
Items	27 most profitable		27 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	451		338	
Size of business (work units)**	719		517	
Dairy cows	\$ 547	\$ 547	\$ 1108	\$ 1083
Other dairy cattle	269	365	1249	1294
Beef cattle (incl. feeders)	27570	30008	13759	14609
Hogs	4719	4531	2252	2386
Sheep (incl. feeders)	264	108	252	266
Poultry (incl. turkeys)	182	179	380	385
Productive livestock (total)	\$33551	\$35738	\$19000	\$20023
Horses	31	24	44	43
Crop, seed and feed	15170	15752	10151	8197
Auto (farm share)	1381	1480	1057	1117
Tractors	3968	3952	2450	2805
Crop and general machinery	5337	5717	5127	5119
Livestock equipment and supplies	1778	2233	1625	1768
Machinery and equipment (total)	\$12464	\$13382	\$10259	\$10809
Land	66745	66745	44440	44440
Buildings, fences, etc.	18727	19125	15511	15667
Total farm capital	\$146688	\$150766	\$99405	\$99179

* 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), 1962

Items	Your farm	Average of 136 farms	27 most profitable farms	27 least profitable farms
FARM RECEIPTS				
1. Dairy cattle	\$	\$ 496	\$ 260	\$ 732
2. Dairy products		1608	1090	1595
3. Beef cattle (incl. feeders)		21109	46895	17989
4. Hogs		9038	13326	6182
5. Sheep and wool (incl. feeders)		318	322	176
6. Horses		4	9	-
7. Poultry (incl. turkeys)		448	34	91
8. Eggs		1157	679	1573
9. Corn		3427	5771	2837
10. Small grain		708	762	636
11. Other crops		3421	5839	2179
12. Machinery and equipment sold		298	364	220
13. Income from work off the farm		346	422	464
14. Miscellaneous		469	680	325
15. Total farm sales	\$	\$42847	\$76453	\$34999
16. Increase in farm capital		2243	4078	-
17. Family living from the farm		299	375	305
18. Total farm receipts	\$	\$45389	\$80906	\$35304
FARM EXPENSES				
19. Dairy cattle bought	\$	\$ 128	\$ 20	\$ 281
20. Beef cattle bought (incl. feeders)		12583	25916	10178
21. Hogs bought		704	821	870
22. Sheep bought (incl. feeders)		13	3	5
23. Horses bought		2	-	3
24. Poultry bought (incl. turkeys)		238	99	149
25. Misc. livestock expenses		594	808	544
26. Feed bought		7707	13212	6645
27. Fertilizers bought		1091	1862	974
28. Other crop expenses		1112	1657	1004
29. Custom work hired		929	1289	970
30. Gas, oil and grease (farm share)		1232	1629	1304
31. Rep. tractor, truck, auto (farm share)		762	1036	775
32. Repair and upkeep of farm real estate		353	477	428
33. Repair and upkeep of crop & gen. mach.		470	686	539
34. Repair and upkeep of lvstk. equip.		218	254	243
35. Wages of hired labor		1074	2015	1002
36. Electricity expense (farm share)		267	313	242
37. Pers. prop. and real estate taxes		1413	1966	1416
38. Telephone and general farm expense		431	573	484
39. Total cash operating expense	\$	\$31321	\$54636	\$28056
40. Mechanical power bought (farm share)		1022	1122	1221
41. Crop and general machinery bought		1147	1726	1129
42. Livestock equipment bought		503	916	422
43. New real estate improvements		1126	1680	1270
44. Total farm purchases	\$	\$35119	\$60080	\$32098
45. Decrease in farm capital		-	-	226
46. Interest on farm capital		5040	7436	4965
47. Unpaid family labor		464	775	379
48. Board furnished hired labor		76	122	94
49. Total farm expenses	\$	\$40699	\$68413	\$37762
50. Labor earnings	\$	\$ 4690	\$12493	\$-2458

Table 3. Summary of Farm Earnings (Enterprise Statement), 1962*

Items	Your farm	Average of 136 farms	27 most profitable farms	27 least profitable farms
RETURNS AND NET INCREASES				
1. Dairy cows	\$ _____	\$ 1627	\$ 1086	\$ 1602
2. Other dairy cattle	_____	593	385	677
3. Beef breeding herd	_____	239	401	436
4. Feeder cattle	_____	10419	23263	8406
5. Hogs	_____	8250	12384	5358
6. Sheep--farm flock	_____	178	160	186
7. Sheep--feeders	_____	18	6	-
8. Turkeys	_____	310	-	-
9. Chickens	_____	1073	638	1543
10. All productive livestock	\$ _____	\$22707	\$38323	\$18208
11. Value of feed fed to livestock	_____	15782	24722	15048
12. Return over feed from livestock	\$ _____	\$ 6925	\$13601	\$ 3160
13. Crops, seed and feed	_____	13109	20934	10123
14. Income from labor off the farm	_____	191	230	236
15. Agricultural conservation payments	_____	25	45	12
16. Miscellaneous	_____	444	635	313
17. Total returns and net increases	\$ _____	\$20694	\$35445	\$13844
EXPENSES AND NET DECREASES				
18. Horses	\$ _____	\$ 8	\$ 1	\$ 30
19. Truck	_____	316	473	334
20. Auto (farm share)	_____	555	591	530
21. Tractor	_____	1566	2188	1638
22. Electricity (farm share)	_____	269	316	243
23. Hired power	_____	407	603	444
24. Total power	\$ _____	\$ 3121	\$ 4172	\$ 3219
25. Crop and general machinery	_____	1605	2214	1813
26. Livestock equipment	_____	509	690	515
27. Buildings, fencing and tiling	_____	1356	1735	1542
28. Misc. productive livestock expense	_____	595	808	543
29. Labor	_____	1934	3358	1805
30. Real estate taxes	_____	1144	1578	1139
31. Personal property tax	_____	269	388	277
32. Insurance	_____	201	246	226
33. General farm expenses	_____	230	327	258
34. Interest on farm capital	_____	5040	7436	4965
35. Total expenses and net decreases	\$ _____	\$16004	\$22952	\$16302
36. Labor earnings	\$ _____	\$ 4690	\$12493	\$-2458

* 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, 1962 (Operator's Share)

Items	Your farm		19 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			267	
Owned			267	
Rented			-	
Total farm capital	\$	\$	\$90875	\$93235
Stocks and bonds			1313	1507
Life insurance			3164	3210
Notes and accounts receivable			1076	1302
Shares in cooperative organizations			1661	1809
Outside real estate			5113	5165
Cash on hand and in bank			3378	4280
Household furnishings and clothing			3030	3066
Personal share of auto			648	642
Farm dwelling			5483	5466
Total non-farm assets	\$	\$	\$24866	\$26447
Total assets	\$	\$	\$115741	\$119682
Federal Land Bank mortgage			2698	3429
Other real estate mortgages			20126	18735
Production Credit Association loans			4440	5092
Farmers Home Adm. chattel loans			847	826
Sealed grain			1066	1556
Other chattel mortgages			5502	5867
Notes payable			7873	6738
Accounts payable			902	1230
Total liabilities	\$	\$	\$43454	\$43473
Farmer's net worth	\$	\$	\$72287	\$76209
Change in net worth				\$+3922

Items	28 part-owners*		30 renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Owned	103		-	
Rented	122		262	
Total farm capital	\$74237	\$85412	\$27648	\$30167
Stocks and bonds	2254	1894	1417	1415
Life insurance	2572	2779	1412	1692
Notes and accounts receivable	561	980	753	1496
Shares in cooperative organizations	928	1136	514	603
Outside real estate	2537	2524	-	1380
Cash on hand and in bank	1155	1059	1439	1709
Household furnishings and clothing	2725	2959	2396	2493
Personal share of auto	485	470	347	372
Farm dwelling	6132	6605	-	-
Total non-farm assets	\$19349	\$20406	\$ 8278	\$11160
Total assets	\$93586	\$105818	\$35926	\$41327
Federal Land Bank mortgage	2583	3968	-	-
Other real estate mortgages	15090	17938	-	1214
Production Credit Association loans	2011	2492	1458	1664
Farmers Home Adm. chattel loans	369	325	378	311
Sealed grain	518	805	126	251
Other chattel mortgages	6590	7021	5846	6698
Notes payable	6513	8590	2759	3317
Accounts payable	912	813	902	1201
Total liabilities	\$34586	\$41952	\$11469	\$14656
Farmer's net worth	\$59000	\$63866	\$24457	\$26671
Change in net worth		\$+4866		\$+2214

* 3 rented for cash, 14 cash and crop share, 10 crop share, and 1 lvstk and crop share.

** 6 rented for cash, 19 cash and crop share, 1 crop share, 4 lvstk and crop share.

Table 5. Summary of Farm Earnings by Tenure, 1962 (Operator's Share)

Items	Your farm	19 owners	28 part- owners	30 renters
FARM RECEIPTS				
Dairy cattle	\$	\$ 247	\$ 737	\$ 664
Dairy products		905	2214	2044
Beef cattle (incl. feeders)		26327	22006	11031
Hogs		12263	9088	7945
Sheep and wool (incl. feeders)		529	682	49
Horses		-	5	13
Poultry (incl. turkeys)		1089	1233	28
Eggs		742	1137	507
Corn		2285	2489	1387
Small grain		817	542	474
Other crops		1971	3368	1625
Machinery and equipment sold		305	373	223
Income from work off the farm		193	447	133
Miscellaneous		561	551	149
(1) Total farm sales	\$	\$48234	\$41872	\$26272
(2) Increase in farm capital		2360	11175	2519
(3) Family living from the farm		310	292	295
(4) Total farm receipts (1)+(2)+(3)	\$	\$50904	\$56339	\$29086
FARM EXPENSES				
Dairy cattle bought	\$	\$ 57	\$ 233	\$ 123
Beef cattle bought (incl. feeders)		15915	13917	7250
Hogs bought		517	904	623
Sheep bought (incl. feeders)		22	6	-
Horses bought		-	4	-
Poultry bought (incl. turkeys)		299	517	86
Miscellaneous livestock expense		683	728	469
Feed		10769	7641	5434
Fertilizers		923	1108	560
Other crop expense		983	1078	890
Custom work hired		851	1093	702
Gas, oil and grease		1181	1289	937
Rep. tractor, truck, auto (farm share)		733	634	595
Rep. and upkeep of real estate		420	332	144
Rep. and upkeep of crop and gen. mach.		359	508	341
Rep. and upkeep of livestock equipment		250	178	161
Wages of hired labor		1164	1045	663
Electricity expense (farm share)		282	282	222
Real estate and pers. prop. taxes		1230	884	196
Cash rent		-	678	1011
General farm expense and insurance		500	487	256
Interest paid		2019	1761	590
Total cash operating expense	\$	\$39157	\$35307	\$21253
Mechanical power bought (farm share)		893	1366	698
Crop and general machinery bought		942	1623	747
Livestock equipment bought		429	598	408
Real estate improv. & farm purchases		2339	8442	674
(5) Total farm purchases	\$	\$43760	\$47336	\$23780
(6) Decrease in farm capital		-	-	-
(7) Interest on farm capital		2583	2230	855
(8) Unpaid family labor		186	210	268
(9) Board furnished hired labor		55	75	59
(10) Total farm exp.(5)+(6)+(7)+(8)+(9)	\$	\$46584	\$49851	\$24962
(11) Labor earnings (4)-(10)		4320	6488	4124
(12) Ret.to cap.& fam.labor (7)+(8)+(11)		7089	8928	5247

Table 6. Household and Personal Expenses for Those Farms Which Kept Complete Accounts of These Expenses, 1962

Items	Your farm	Average of 63 farms	13 most profit- able farms	13 least profit- able farms
Number of persons--family	_____	4.9	5.2	5.2
Number of adult equivalents--family	_____	3.8	4.2	4.0
other*	_____	.2	.2	.2
EXPENSES				
Food and meals bought	\$ _____	\$1042	\$1032	\$1060
Operating and supplies	_____	387	422	304
Furnishings and equipment	_____	297	350	269
Clothing and clothing materials	_____	385	418	315
Personal care and spending	_____	137	176	130
Education and recreation	_____	290	365	131
Gifts and special events	_____	147	183	104
Medical and hospital insurance	_____	417	554	348
Church and welfare	_____	291	310	258
Personal share of auto expense	_____	213	237	172
Upkeep on dwelling	_____	53	138	17
Pers. share of tel. & elec. exp.	_____	122	130	112
Total cash living expense	\$ _____	\$3781	\$4315	\$3220
Personal share of new autos	_____	118	117	104
New dwelling	_____	671	672	32
Taxes	_____	379	552	264
Life insurance	_____	372	537	218
Other savings and investments	_____	501	1514	239
Total household & pers. cash exp.	\$ _____	\$5822	\$7707	\$4077
Family living from the farm	_____	311	337	373
Total cash exp. & perquisites	\$ _____	\$6133	\$8044	\$4450
RECEIPTS				
Return to capital and family labor	\$ _____	\$6845	\$13977	\$1233
Income from outside investments	_____	79	61	39
Other personal income	_____	382	1084	124

* Hired help or others boarded.

Table 7. Family Living from the Farm, 1962

Items	Your farm	Average of 136 farms	Your farm	Average of 136 farms
Number of adult equivalents:				
Family	_____	3.8		
Other*	_____	.2		
Whole milk	_____	451 qts.	\$ _____	\$31.57
Cream	_____	3 pts.	_____	.59
Cattle	_____	826 lbs.	_____	187.99
Hogs	_____	341 lbs.	_____	52.81
Sheep	_____	5 lbs.	_____	.81
Poultry	_____	67 lbs.	_____	7.62
Eggs	_____	70 doz.	_____	18.05
Total			\$ _____	\$299.44

* 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 live-stock, (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 or 1	16	_____	XXXX	\$1268
2 or 3	53	_____	XXXXXXXXXX	2775
4 or 5	48	_____	XXXXXXXXXXXXXXXXXXXXXXX	6003
6 or 7	19	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	9594

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 Pond, G. A. "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, 1962

Measures used in chart on page 11	Your farm	Average of 136 farms	27 most profit- able farms	27 least profit- able farms
Labor earnings	\$ _____	\$4690	\$12493	\$-2458
Crop yields*	_____	100	111	87
Percent tillable land in high return crops**	_____	69.4	72.0	66.1
Return for \$100 feed to productive livestock***	_____	100	111	85
Productive livestock units per 100 acres****	_____	43.6	54.5	39.7
Size of business--work units	_____	510	719	517
Work units per worker	_____	300	327	323
Pow., mach., equip., & bldg. exp. per work unit	\$ _____	\$14.30	\$12.51	\$15.29
Items related to some of the above measures:				
Index of return for \$100 feed from:				
Dairy cattle (see pages 16 and 17)	_____	100	92	90
Beef cattle--breeding herd (see page 18)	_____	100	-	113
Beef cattle--feeders (see page 18)	_____	100	116	78
Hogs (see page 15)	_____	100	134	84
Sheep--farm flock (see page 19)	_____	100	171	75
Sheep--feeders	_____	100	-	-
Turkeys	_____	100	-	-
Chickens (see page 20)	_____	100	88	98
Number of animal units	_____	125.9	208.4	125.5
Work units on crops	_____	154	213	162
Work units on productive livestock	_____	338	483	332
Other work units	_____	18	23	23
Number of family workers	_____	1.3	1.5	1.2
Number of hired workers	_____	.4	.7	.4
Total number of workers	_____	1.7	2.2	1.6
Power expense per work unit	\$ _____	\$6.79	\$5.64	\$6.95
Crop machinery expense per work unit	_____	3.52	3.32	3.93
Livestock equipment expense per work unit	_____	1.02	.97	1.11
Bldg. & fencing expense per work unit	_____	2.97	2.58	3.30

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

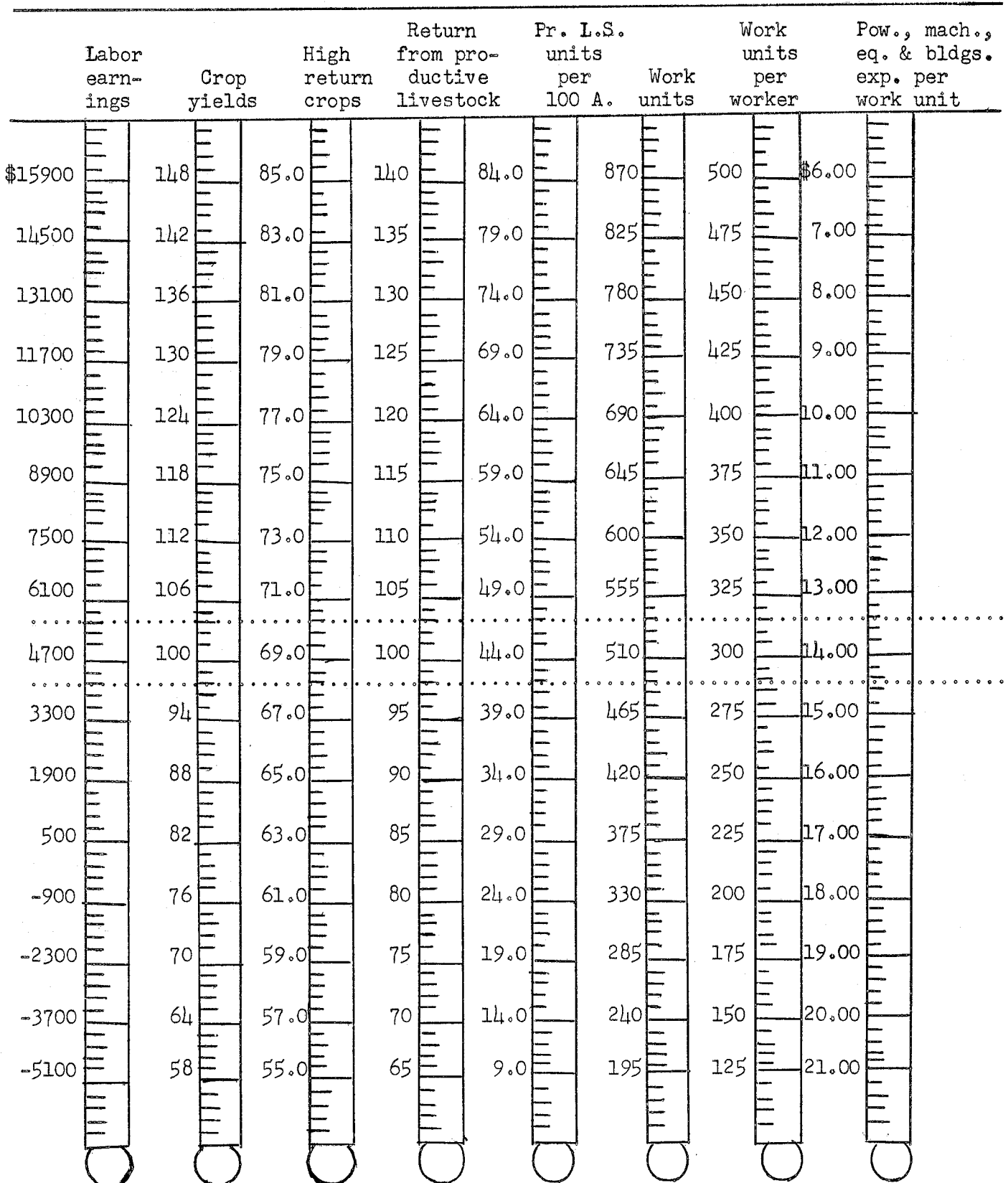


Table 10. Distribution of Acres in Farm, 1962

Crop	Crop ratings*	Number growing this crop	Your farm	Average of 136 farms
Canning peas	B	3	_____	.6
Flax	C	26	_____	6.7
Wheat	C	30	_____	2.7
Oats for silage	C	13	_____	3.0
Oats for grain	D	112	_____	26.5
Barley and rye	D	6	_____	1.2
Total small grain and peas		124	_____	40.7
Corn grain	A	135	_____	114.6
Sweet corn	B	2	_____	.3
Soybeans for grain	B	102	_____	38.4
Corn silage	B	88	_____	16.4
Total cultivated crops		136	_____	169.7
Alfalfa hay	B	128	_____	28.0
Timothy and brome hay or seed	D	2	_____	.5
Annual hay	D	3	_____	.2
Total tillable land in hay		131	_____	28.7
Alfalfa pasture	B	63	_____	6.1
Sudan and/or rape	C	1	_____	-
Other tillable pasture	D	9	_____	1.2
Total tillable land in pasture		69	_____	7.3
Feed-grain program	A	91	_____	35.2
Tillable land not cropped	D	26	_____	4.0
Total tillable land		136	_____	285.6
Wild hay		29	_____	2.4
Non-tillable pasture		65	_____	18.2
Timber not pastured		12	_____	.8
Roads and waste			_____	14.2
Farmstead			_____	10.0
Total acres in farm			_____	331.2
Percent land tillable			_____	86.2
Percent tillable land in high return crops			_____	69.4

* 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, 1962

Crop	Your farm	Average of farms growing each crop
Canning peas, dollars	\$ _____	\$51.07
Flax, bu.	_____	9.8
Wheat, bu.	_____	22.9
Oat silage, tons	_____	5.9
Oats grain, bu.	_____	48.6
Barley, bu.	_____	25.0
Corn grain, bu.	_____	66.2
Soybeans, bu.	_____	23.2
Corn silage, tons	_____	10.8
Alfalfa hay, tons	_____	3.0
Timothy or brome hay, tons	_____	1.8
Annual hay, tons	_____	2.0
Feed grain program, dollars	\$ _____	\$33.12
Wild hay, tons	_____	.7

Table 12. Average Price of Feeds, 1962

Items	Value	Items	Value
Ear corn, per bu.	\$.96	Alfalfa hay, per ton	\$19.00
Oats, per bu.	.61	Red or alsike clover hay, per ton	16.10
Barley, per bu.	.99	Timothy, per ton	11.00
Wheat, per bu.	2.18	Wild hay, per ton	9.50
Soybean meal, per cwt.	4.40	Corn silage, per ton	6.50
Meat scraps, per cwt.	5.70	Pasture, per mo. per cow	2.50
		Skim milk, per cwt.	.32

Table 13. Power and Machinery Expenses per Crop Acre, 1962

Items	Your farm	Average of 136 farms	27 most profitable farms	27 least profitable farms
Crop acres per farm	_____	242	336	245
Tractor expense per crop acre	\$ _____	\$6.66	\$6.55	\$6.99
Crop & gen. mach. exp. per crop acre	_____	6.95	6.76	8.11

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, 1962

	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

Items	Your farm	94 farms with breeding stock			22 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	_____	328	265	438	391
Small grain	_____	52	50	80	33
Commercial feeds	_____	76	51	75	58
Total concentrates	_____	456	366	593	482
Feed cost per cwt. hogs produced	\$ _____	\$10.74	\$8.38	\$14.05	\$10.67
Net increase in value per cwt. hogs produced	\$ _____	\$15.66	\$16.56	\$14.47	\$13.07
Return above feed cost per cwt. hogs produced	\$ _____	\$ 4.92	\$ 8.18	\$.42	\$ 2.40
RETURN FOR \$100 FEED	\$ _____	\$154	\$205	\$106	\$139
Price received per cwt. hogs sold	\$ _____	\$16.13	\$16.22	\$15.67	\$16.33
Total number of litters raised	_____	41	36	34	2
Number pigs born per litter	_____	8.9	9.6	8.6	7.8
Number pigs weaned per litter	_____	7.0	7.5	6.1	6.7
Number of feeder pigs bought	_____	4	3	6	214
Total weight feeder pigs bought	_____	131	117	186	9162
Price paid per feeder pig	_____	\$13.43	-	-	\$13.92
Pounds of hogs produced	_____	67129	64203	50471	45013

Table 16. Factors of Cost and Returns from Dairy Cows, 1962

Items	Your farm	Average of 27 farms	13 farms highest in butterfat per cow	13 farms lowest in butterfat per cow
Pounds of butterfat per cow	_____	340	381	301
Pounds of milk per cow*	_____	9674	11055	8319
Percent of butterfat in milk	_____	3.6	3.5	3.6
Price received per lb. BF sold (cents)	_____	94.2	95.5	93.1
Price received per cwt. milk sold*	\$ _____	\$3.34	\$3.31	\$3.38
Feeds per cow, lbs.				
Corn	_____	3205	3245	3174
Small grain	_____	780	902	585
Commercial feeds	_____	510	464	566
Legume hay	_____	6696	6798	6884
Other hay	_____	151	-	313
Total concentrates	_____	4495	4611	4325
Total hay and fodder	_____	6847	6798	7197
Silage	_____	10734	9576	11802
Feed cost per cow				
Concentrates	\$ _____	\$95.62	\$104.46	\$85.79
Roughages	_____	99.79	97.71	104.78
Pasture	_____	7.75	7.72	7.44
TOTAL FEED COST	\$ _____	\$203.16	\$209.89	\$198.01
Value of produce per cow				
Dairy product sales	\$ _____	\$310.55	\$350.58	\$271.61
Dairy produce used in home	_____	6.75	6.79	6.94
Milk to livestock	_____	6.08	9.44	3.18
Net increase in value of cows	_____	-4.84	-7.06	-5.50
TOTAL VALUE PRODUCED	\$ _____	\$318.54	\$359.75	\$281.23
RETURNS ABOVE FEED COST PER COW	\$ _____	\$115.38	\$149.86	\$ 83.22
RETURNS FOR \$100 OF FEED	\$ _____	\$169	\$175	\$165
Feed cost per pound BF (cents)	_____	59.8	55.1	65.8
Number of cows**	_____	25.2	25.6	24.6

* 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 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, 1962

Items	Your farm	Average of 27 farms	13 farms highest in butterfat per cow	13 farms lowest in butterfat per cow
Feed per head, lbs.				
Concentrates	_____	768	670	868
Hay and fodder	_____	2194	2291	2176
Silage	_____	3424	3384	3380
Whole milk	_____	157	262	63
TOTAL FEED COST PER HEAD	\$ _____	\$57.46	\$59.92	\$55.89
Net increase in value of other dairy cattle	\$ _____	\$81.84	\$98.77	\$67.46
RETURNS ABOVE FEED COST PER HEAD	_____	\$24.38	\$38.85	\$11.57
RETURNS FOR \$100 OF FEED	\$ _____	\$152	\$169	\$140
Number of head of other dairy	_____	31.7	28.4	34.7

Table 18. Feed Costs and Returns from All Dairy Cattle, 1962

Items	Your farm	Average of 27 farms	13 farms highest in butterfat per cow	13 farms lowest in butterfat per cow
Feed per cow, lbs.				
Concentrates	_____	5576	5505	5600
Hay and fodder	_____	9625	9274	10370
Silage	_____	15225	13451	16791
TOTAL FEED COST PER COW	\$ _____	\$270.80	\$267.38	\$276.25
Value of produce per cow				
Dairy products	\$ _____	\$317.37	\$357.40	\$278.57
Net increase in value of dairy cattle	_____	100.73	98.32	108.40
TOTAL VALUE PRODUCED	\$ _____	\$418.10	\$455.72	\$386.97
RETURNS ABOVE FEED PER COW	\$ _____	\$147.30	\$188.34	\$110.72
RETURNS PER \$100 OF FEED	\$ _____	\$164	\$172	\$160

Table 19. Feed Costs and Returns from Beef Cattle, 1962

Items	Your farm	Average of all farms
Beef breeding herd: No. of farms		11
Feeds per animal unit, lbs.		
Concentrates	_____	589
Legume hay	_____	2883
Other hay	_____	280
Silage	_____	1742
Feed cost per animal unit		
Concentrates	\$ _____	\$14.49
Roughages	_____	37.19
Pasture	_____	13.36
TOTAL FEED COST	\$ _____	\$65.04
TOTAL VALUE PRODUCED	\$ _____	\$92.53
RETURNS ABOVE FEED COST PER ANIMAL UNIT	\$ _____	\$27.49
RETURNS FOR \$100 OF FEED	\$ _____	\$175
Pounds of beef produced	_____	10630
Number of cows and herd bulls	_____	32.3
Number of other beef cattle	_____	23.2
Number of animal units in the herd	_____	32.9
Feeder cattle: No. of farms		103
Feeds per cwt. beef produced, lbs.		
Corn	_____	662
Small grain	_____	14
Commercial feeds	_____	59
Legume hay	_____	283
Other hay	_____	14
Total concentrates	_____	735
Total hay	_____	297
Silage	_____	545
Feed cost per cwt. beef produced		
Concentrates	\$ _____	\$14.34
Roughages	_____	4.64
Pasture	_____	.35
TOTAL FEED COSTS	\$ _____	\$19.33
Net increase in value of feeders	\$ _____	\$25.51
RETURNS ABOVE FEED COST PER CWT. BEEF PRODUCED	\$ _____	\$ 6.18
RETURNS FOR \$100 OF FEED	\$ _____	\$139
Price paid per cwt. beef bought	\$ _____	\$24.91
Price received for feeder cattle sold	\$ _____	\$24.46
Number of animal units	_____	92.7
Pounds of beef produced	_____	55632

Table 20. Feed Costs and Returns from a Farm Flock of Sheep, 1962

Items	Your farm	Average of 22 farms	11 farms highest in returns above feed	11 farms lowest in returns above feed
Feeds per ewe, lbs.				
Concentrates	_____	138	125	150
Legume hay	_____	743	579	907
Other hay	_____	8	16	-
Silage	_____	56	97	15
Feed cost per ewe				
Concentrates	\$ _____	\$2.88	\$2.70	\$3.07
Roughages	_____	7.24	6.06	8.42
Pasture	_____	2.94	3.07	2.81
TOTAL FEED COSTS	\$ _____	\$13.06	\$11.83	\$14.30
Value of produce per ewe				
Wool	\$ _____	\$ 6.90	\$ 7.16	\$ 6.65
Net increase in value of sheep	_____	10.96	15.26	6.65
TOTAL VALUE PRODUCED	\$ _____	\$17.86	\$22.42	\$13.30
RETURNS ABOVE FEED COST PER EWE	\$ _____	\$ 4.80	\$10.59	\$-1.00
RETURNS FOR \$100 OF FEED	\$ _____	\$157	\$220	\$ 95
Price per cwt. of lambs sold	\$ _____	\$18.62	\$18.36	\$18.86
Price per lb. wool sold (cents)	_____	61.9	65.6	57.8
Pounds of wool per sheep sheared	_____	9.9	10.1	9.8
Percent lamb crop*	_____	90	110	69
Percent death loss*	_____	9.9	10.6	9.2
Pounds of sheep produced	_____	4260	3581	4940
Number of head of ewes	_____	58	56	59

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

Table 21. Feed Costs and Returns from Chickens, 1962*

Items	Your farm	Average of 49 farms	10 farms highest in returns above feed	10 farms lowest in returns above feed
Feed per hen, lbs.				
Grain		80	72	83
Commercial feeds		42	28	47
Total concentrates		122	100	130
TOTAL FEED COST PER HEN	\$	\$3.50	\$2.88	\$3.66
Value of produce per hen				
Eggs sold and used in home	\$	\$4.51	\$5.20	\$3.38
Net increase in value of chickens		-.37	-.18	-.71
TOTAL VALUE PRODUCED	\$	\$4.14	\$5.02	\$2.67
RETURNS ABOVE FEED COST PER HEN	\$.64	2.14	-.99
RETURNS FOR \$100 OF FEED	\$	\$124	\$192	\$72
Price rec'd per doz. eggs sold (cents)		25.7	26.5	24.7
Eggs laid per hen		209	234	163
Ave. no. hens on farm during year		649	951	268
Percent of hens that are pullets		77	76	65
Percent death loss of hens		8	7	11
Number of chicks started				
Pullets		429	776	158
Straight run		4	-	-
Cockerels		27	26	25

* 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	1955	1956	1957	1958	1959	1960	1961	1962
Number of farms	165	140	138	146	135	131	128	136	121	127	136
Total farm capital	\$36133	\$40590	\$57692	\$64512	\$70144	\$73316	\$80689	\$87567	\$89567	\$92876	\$100800
Monthly charge for											
Unpaid family labor*	63	118	130	130	135	135	135	135	135	150	150
Board to hired labor*	23	33	36	36	38	38	38	38	38	40	40
FARM EXPENSES											
Dairy cattle bought	\$ 120	\$ 175	\$ 215	\$ 98	\$ 196	\$ 121	\$ 125	\$ 217	\$ 206	\$ 190	\$ 128
Beef cattle bought	1405	2027	4097	3865	5506	7050	11084	10589	10558	12429	12583
Hogs bought	275	447	448	384	322	462	640	559	635	672	704
Sheep bought (incl. feeders)	596	365	599	483	837	786	216	261	54	207	13
Poultry bought (incl. turkeys)	140	165	190	181	264	258	211	210	212	235	238
Horses bought	39	11	6	2	2	7	8	7	3	3	2
Miscellaneous livestock expense	140	248	378	424	468	511	593	626	560	607	594
Miscellaneous crop expense	402	869	1234	1690	1539	1728	2158	1956	2027	2106	2203
Feed bought	2041	3191	4323	4498	5291	5182	6141	6404	6250	6233	7707
Custom work hired	193	356	438	587	646	688	814	734	827	854	929
Power machinery (new)	320	757	864	802	634	852	1396	807	473	844	1022
Power machinery (upkeep, gas, oil)	551	1081	1422	1570	1636	1786	2041	1974	2152	2105	2261
Crop and general machinery (new)	335	912	1000	719	790	1123	1112	1222	1131	921	1147
Crop and general mach. (upkeep)	124	284	313	338	375	408	442	425	469	423	470
Livestock equipment (new)	112	99	164	241	210	332	403	450	364	388	503
Livestock equipment (upkeep)	55	111	135	144	170	207	210	238	176	215	218
Buildings and fencing (new)	341	676	881	786	618	782	1047	926	828	1424	1126
Buildings and fencing (upkeep)	149	319	312	272	254	316	365	395	311	326	353
Hired labor	593	794	883	895	863	1024	1125	1058	1017	1072	1074
Taxes	330	403	622	724	804	866	999	1158	1245	1287	1413
Insurance	33	56	90	130	153	155	147	183	190	190	201
General farm	65	118	170	197	205	187	237	226	225	228	230
Total farm purchases	\$ 8359	\$13464	\$18784	\$19030	\$21783	\$24831	\$31514	\$30625	\$29913	\$32959	\$35119
Decrease in farm capital	-	-	-	2132	-	-	-	1652	-	-	-
Interest on farm capital	1806	2030	2885	3226	3507	3666	4034	4378	4454	4644	5040
Unpaid family labor	310	377	358	355	371	341	412	416	464	492	464
Board furnished hired labor	142	107	91	95	87	89	89	102	103	69	76
Total farm expense	\$10617	\$15978	\$22118	\$24838	\$25748	\$28927	\$36049	\$37173	\$34934	\$38164	\$40699

* These adjustments should be considered in comparing 1962 results with previous years.

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

Items	Average 1940-44	Average 1945-49	Average 1950-54	1955	1956	1957	1958	1959	1960	1961	1962
FARM RECEIPTS											
Dairy cattle	\$ 383	\$ 573	\$ 695	\$ 524	\$ 438	\$ 481	\$ 704	\$ 776	\$ 593	\$ 614	\$ 496
Dairy products	783	988	1085	1091	1324	1540	1499	1797	1761	2027	1608
Beef cattle	3140	4246	7918	7478	10595	12392	16980	17678	19601	18855	21109
Hogs	3622	6775	7455	6147	5797	7577	8781	7487	7251	8528	9038
Sheep and wool	928	651	978	798	1344	1327	822	612	305	279	318
Poultry (incl. turkeys)	563	525	526	550	608	544	506	443	672	429	448
Eggs	597	1035	965	954	1190	953	1130	839	1078	989	1157
Horses	44	23	8	4	7	5	7	4	10	3	4
Corn	584	1138	1855	3697	3385	2933	2824	2904	2443	2799	3427
Small grain	1031	2055	1236	920	809	595	769	941	1022	1147	708
Other crops	400	879	1023	1850	1867	1666	1906	1507	1816	2995	3421
Machinery and equipment sold	196	364	367	222	203	280	264	359	289	417	298
Agricultural adjustment payment	370	65	64	26	76	68	22	29	96	34	25
Income from work off the farm	174	313	349	377	332	390	537	357	350	305	346
Miscellaneous	224	78	137	252	315	261	324	379	293	358	444
Total farm sales	\$13039	\$19708	\$24661	\$24890	\$28290	\$31012	\$37075	\$36112	\$37580	\$39779	\$42847
Increase in farm capital	1098	2395	1845	-	2423	1895	5253	-	2136	3483	2243
Family living from the farm	553	666	553	271	250	266	317	288	309	284	299
Total farm receipts	\$14690	\$22769	\$27059	\$25161	\$30963	\$33173	\$42645	\$36400	\$40025	\$43546	\$45389
Total farm expenses	10617	15978	22118	24838	25748	28927	36049	37173	34934	38164	40699
Labor earnings	\$ 4073	\$ 6791	\$ 4941	\$ 323	\$ 5215	\$ 4246	\$ 6596	\$ -773	\$ 5091	\$ 5382	\$ 4690
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	69.9	69.4
Livestock units per 100 A.**	23.6	20.3	30.3	36.1	37.8	39.6	39.6	43.7	41.7	44.2	43.6
Work units***	588	501	470	412	433	472	508	518	514	510	510
Work units per worker***	273	285	283	242	271	278	299	305	302	300	300
Expenses per work unit***	\$3.02	\$6.23	\$9.49	\$12.34	\$12.72	\$12.50	\$13.50	\$12.97	\$13.45	\$13.73	\$14.30

* 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 1940-44	Average 1945-49	Average 1950-54	1955	1956	1957	1958	1959	1960	1961	1962
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	\$156.03	\$115.38
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	23.81	27.49
100 lbs.feeder cattle prod.	3.11	8.87	5.26	1.93	4.55	10.14	9.93	2.88	5.77	2.48	6.18
Ewe	-	-	-	-	-	13.33	6.65	6.61	7.14	2.93	4.80
100 lbs. hogs produced	4.05	6.29	6.23	.34	4.98	7.44	8.60	1.24	6.10	5.44	4.53
Hen	1.72	2.15	1.09	1.48	.96	1.07	1.64	.09	1.63	.97	.64
FEED COST PER											
Dairy cow	67.74	121.21	142.90	136.98	137.55	141.86	157.92	162.71	152.64	177.88	203.16
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	76.40	65.04
Cwt.of feeder cattle prod.	14.56	21.66	22.68	19.06	18.09	17.44	16.31	17.61	16.69	17.59	19.33
Ewe	-	-	-	-	-	12.81	15.10	12.16	12.94	12.92	13.06
100 lbs. hogs produced	7.36	12.70	12.95	11.17	10.76	10.39	9.82	10.24	10.16	10.20	10.73
Hen	2.28	4.28	4.66	4.02	4.18	3.91	3.64	3.71	3.22	3.56	3.50
MISCELLANEOUS LIVESTOCK INFORMATION											
No. of dairy or dual pur.cows	8.1	5.3	4.7	4.6	5.0	5.7	5.1	5.7	5.5	5.9	5.1
Head in beef breeding herd	10.5	9.4	11.1	11.7	10.0	10.0	9.0	12.1	4.1	5.3	4.5
Lbs. feeder cattle produced	9336	6676	12137	18423	23043	28405	34668	33886	38554	39059	40633
Litters of pigs	18.5	19.5	21.7	25.2	22.2	20.4	26.6	28.7	25.6	28.9	28.2
Lbs. of hogs produced	30411	34292	37265	42517	38898	41677	47303	51451	45578	51584	53713
Number of hens	197	202	187	182	222	200	214	203	210	190	239
Lbs. of BF per dairy cow	246	257	282	295	298	301	326	336	344	352	340
No. of pigs weaned per lit.	6.1	6.3	6.7	7.0	7.3	7.3	7.3	7.0	6.7	7.2	7.0
Percent lamb crop	105	109	107	113	116	112	107	105	108	99	90
Eggs per hen	134	171	180	188	201	204	202	207	204	208	209

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

Items	Average 1940-44	Average 1945-49	Average 1950-54	1955	1956	1957	1958	1959	1960	1961	1962
PRICE RECEIVED FOR											
Pound of BF in milk	\$.64	\$.98	\$.94	\$.88	\$.92	\$.92	\$.91	\$.91	\$.92	\$.97	\$.94
Pound of BF in cream	.44	.73	.72	.61	.63	.65	.58	.58	.57	.55	-
100 pounds fat cattle	11.73	21.71	26.61	20.73	19.49	21.59	25.10	25.63	23.63	22.43	24.46
Pound of wool	.38	.41	.60	.42	.65	.59	.36	.53	.59	.54	.62
Dozen eggs	.26	.37	.35	.33	.31	.28	.30	.24	.29	.29	.26
100 pounds hogs sold	10.86	19.54	19.43	14.33	14.15	17.86	19.61	13.83	15.18	16.43	16.17
PRICE OF FEED											
Corn, bu.	.70	1.24	1.31	1.23	1.25	1.10	.98	.98	.96	.94	.96
Oats, bu.	.46	.74	.74	.61	.63	.61	.54	.58	.58	.60	.61
Barley, bu.	.58	1.31	1.15	.93	.94	.91	.90	.92	.87	.93	.99
Alfalfa hay, ton	10.00	18.60	18.30	18.00	18.50	17.00	17.75	19.75	19.50	19.50	19.00
Timothy hay, ton	6.24	10.86	10.60	10.40	10.95	9.80	10.25	11.50	11.20	11.30	11.00
Corn silage, ton	3.20	6.07	6.00	6.00	6.00	5.80	6.00	6.60	6.50	6.75	6.50
Soybean meal, cwt.	2.51	4.15	4.50	-	3.70	-	3.50	3.85	3.85	4.35	4.40
ACRES PER FARM											
Small grains	89.9	73.9	70.5	52.5	49.3	52.4	45.5	44.4	48.3	40.4	40.7
Cultivated crops	89.5	100.3	107.0	130.1	134.6	147.9	167.2	188.6	185.9	167.6	169.7
Tillable land in hay	27.4	19.1	28.1	34.1	41.1	35.8	31.0	32.6	34.7	29.5	28.7
Tillable land in pasture	24.5	15.2	14.8	15.6	16.0	12.9	11.5	9.8	6.7	8.3	7.3
Tillable land not cropped	5.1	2.4	1.4	1.0	4.8	2.5	2.7	-	1.6	26.1	39.2
Total tillable land	236.4	210.9	221.8	233.3	245.8	251.5	257.9	275.4	277.2	271.9	285.6
Non-tillable land	45.6	43.1	43.4	38.7	38.2	41.0	43.5	41.2	43.3	41.5	45.6
Total acres per farm	282.0	254.0	265.2	272.0	284.0	292.5	301.4	316.6	320.5	313.4	331.2
YIELDS PER ACRES											
Flax, bu.	10.5	13.7	11.5	15.9	9.9	9.0	15.7	14.4	16.1	16.8	9.8
Barley, bu.	25.1	34.1	29.0	34.5	25.9	26.9	48.5	37.4	42.7	42.6	25.0
Oats, bu.	40.4	46.3	41.4	55.1	39.7	42.1	67.4	54.2	56.0	59.9	48.6
Corn grain, bu.	49.7	47.8	53.7	51.5	65.0	63.5	57.8	47.6	64.7	74.6	66.2
Corn silage, tons	8.9	8.4	9.2	8.8	10.5	10.3	10.5	8.6	10.2	13.9	10.8
Soybeans, bu.	17.8	14.4	19.8	21.3	22.3	26.8	20.4	21.6	24.7	27.4	23.2
Alfalfa hay, tons	2.2	2.1	2.5	2.2	2.7	2.7	2.4	2.4	2.8	3.1	3.0