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1955 Annual Report

SOUTHEASTERN AND SOUTHWESTERN MINNESOTA  
FARM MANAGEMENT SERVICES

University of Minnesota  
Institute of Agriculture  
and

United States Department of Agriculture  
Agricultural Research Service  
and the  
County Extension Services of  
24 Southern Minnesota Counties

and the

Southeastern and Southwestern Minnesota Farm Management Associations  
Cooperating

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Report No. 226

Department of Agricultural Economics  
Institute of Agriculture  
St. Paul 1, Minnesota  
June, 1956

1500/6/56

1955 ANNUAL REPORT OF THE SOUTHEASTERN AND THE SOUTHWESTERN MINNESOTA FARM  
MANAGEMENT SERVICES

Prepared by T. R. Nodland, G. A. Pond, and R. B. Zoller

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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 southern Minnesota counties are cooperating with the Southeastern and Southwestern Minnesota Farm Management Associations in maintaining a farm management service. The Southeastern Minnesota Farm Management Service was organized late in 1927 and began operation on January 1, 1928. The Southeastern Minnesota Farm Management Association was organized in 1939 by the farmers and now represents the farmers in determining policies and maintaining the field organization and membership. The Southwestern Minnesota Farm Management Association was organized in the fall of 1939 by farmers in that part of the state. Each farmer pays an annual fee which covers a part of the

cost. The balance of the cost is defrayed by the University of Minnesota and the United States Department of Agriculture.

The analysis of the records and the preparation of the report are handled by the Department of Agricultural Economics under the direction of G. A. Pond and T. R. Nodland. Extension work in connection with the two services is handled by E. Hartmans and Harlund Routhe. Harvey Bjerke was the field agent in southeastern Minnesota and Donald Richter in southwestern Minnesota. At the end of the year S. A. Engene, R. B. Zoller, D. S. Moore, Henrik Aune, John Schmidt, and Paul Hasbargen of the Department of Agricultural Economics, and Lee Day of the Agricultural Research Service, U. S. Department of Agriculture, aided in closing the records.

The following tabulation shows by counties the number of records submitted, the officers of the Associations, and the county agricultural extension agents who cooperated in 1955:

Southeastern Minnesota			
County	No. of records	Association officers	County Agricultural Extension Agent
Dakota	7	John Harkness, President	Clarence O. Quie
Dodge	13	Forest Chapin, Director	Loyel Hoseck
Freeborn	16	Merrill Smeby, Director	Eldon H. Senske
Goodhue	26	Robert Hinrichs, Director	Al Booren
Le Sueur	5	Otto Kajer, Director	G. J. Kunau
Mower	7	Wilfred Denisen, Vice-President	Floyd H. Bellin, Jr.
Nicollet	13	Wilbur Halbert, Director	Don Hasbargen
Olmsted	14	Thomas Dickerman, Director	F. E. Wetherill
Rice	13	Lowell Albers, Director	Ray Aune
Scott	4	George Williamson, Director	Warren Liebenstein
Steele	16	Walter Dunn, Secretary	Arnold Sandager
Wabasha	10	Everett Freiheit, Director	J. R. Gute
Waseca*	21	Francis Miller, Director	Mathas Metz
Winona	10	Homer Goss, Director	C. F. Murphy
Total	175		Gordon Anderson

\* Includes eight records from members of the Waseca Farm and Home Planning Group and supervised by Ralph Palan.

Southwestern Minnesota

County	No. of records	Association Officers	County Agricultural Extension Agent
Cottonwood	8	Walter Schmotzer, Director	Herman Vossen
Faribault	15	Glenn Kaehler, Director	James Johnson
Jackson	24	George Rentschler, Director Steve Rubis, Vice President	Ray Palmy
Martin	10	Wayne Strong, Director	Joe Clifford
Murray	17	Arthur Foster, Secy-Treas. Robert Keller, Director	George E. Records
Nobles	53	Kenneth Hansberger, Director Walter Strom, President Marian Lester, Director Dale Hansberger, Director	Ross Huntsinger
Pipestone	8	Kenneth Butman, Director	Clem Chase
Redwood	21	Melvin Manguson, Director	J. I. Swedberg
Rock	3		Gregory Leuhr
Watowwan	5	Clayton Johnson, Director	John Ankeny
Total	164		

The data for 311 farms are shown in the tables on succeeding pages. Twenty-five farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis. Three 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 occur 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. 1955 \*

Items	Your farm		Average of 311 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1. Size of farm (acres)			248	
2. Size of business (work units)**			444	
3. Dairy and dual purpose cows	\$	\$	\$1925	\$1903
4. Other dairy & dual purpose cattle			925	918
5. Beef cattle (incl. feeders)			3129	3399
6. Hogs			1894	1295
7. Sheep (including feeders)			291	298
8. Poultry (including turkeys)			236	257
9. Productive livestock (total)			\$8400	\$8070
10. Horses			28	26
11. Crop, seed and feed			8344	7237
12. Auto (farm share)			1412	1382
13. Tractors			1996	2053
14. Crop and general machinery			4582	4378
15. Livestock equipment and supplies			903	959
16. Machinery & equipment (total)			\$8893	\$8772
17. Miscellaneous			5	2
18. Land			18704	18704
19. Buildings, fences, etc.			10561	10665
20. Total farm capital	\$	\$	\$54935	\$53476

Items	62 most profitable farms		62 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1. Size of farm (acres)	276		257	
2. Size of business (work units)**	499		452	
3. Dairy and dual purpose cows	\$ 2238	\$ 2169	\$ 1309	\$ 1233
4. Other dairy & dual purpose cattle	1112	1012	699	653
5. Beef cattle (incl. feeders)	2877	3165	5633	6111
6. Hogs	1711	1207	2378	1488
7. Sheep (including feeders)	117	66	634	616
8. Poultry (including turkeys)	231	302	321	262
9. Productive livestock (total)	\$ 8286	\$ 7921	\$10974	\$10363
10. Horses	33	31	26	24
11. Crop, seed, and feed	8836	8775	10398	8014
12. Auto (farm share)	1458	1354	1531	1607
13. Tractors	2354	2431	2144	2253
14. Crop and general machinery	5062	5026	5488	5168
15. Livestock equipment and supplies	837	869	1131	1170
16. Machinery and equipment (total)	\$ 9711	\$ 9680	\$10294	\$10198
17. Miscellaneous	-	-	-	-
18. Land	19384	19384	20150	20150
19. Buildings, fences, etc.	10923	11157	12746	12554
20. Total farm capital	\$57173	\$56948	\$64588	\$61303

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

\*\* See page 5 for an explanation of "work units".

Table 1. Summary of Farm Inventories, 1955 (continued)

Items	165 S.E. Assoc. farms	146 S.W. Assoc. farms	62 gen. live- stock farms	60 gen. lvst. & crop farms	40 dairy & hog farms	19 dairy hog & crop farms	28 feeder cattle, hog & crop farms	19 feeder cattle & hog farms
	December 31							
1.	226	272	199	290	197	287	220	318
2.	472	412	463	460	459	479	483	397
3.	\$2907	\$ 813	\$2336	\$1405	\$3704	\$3216	\$4730	\$ 53
4.	1389	401	1221	623	1849	1173	2250	5
5.	1350	5138	1682	3308	20	686	-	9238
6.	1319	2544	1292	1326	1224	1076	70	2185
7.	183	413	233	468	80	5	65	142
8.	237	235	344	383	116	131	90	130
9.	<u>7385</u>	<u>9544</u>	<u>7108</u>	<u>7513</u>	<u>6993</u>	<u>6287</u>	<u>7205</u>	<u>11737</u>
10.	36	19	32	31	48	10	27	33
11.	7176	9665	5613	7775	4934	8610	4313	9416
12.	1289	1551	1391	1415	1113	1226	930	1728
13.	1923	2079	1833	2142	1570	1997	1499	2527
14.	4475	4702	3540	4807	3315	4619	2855	5299
15.	935	868	987	812	1293	1168	1420	667
16.	<u>8622</u>	<u>9200</u>	<u>7751</u>	<u>9176</u>	<u>7291</u>	<u>9010</u>	<u>6704</u>	<u>10221</u>
17.	10	-	4	-	10	-	-	-
18.	11973	26311	12785	21127	11870	25260	11411	29536
19.	<u>10315</u>	<u>10839</u>	<u>9272</u>	<u>10426</u>	<u>10088</u>	<u>11308</u>	<u>9728</u>	<u>11473</u>
20.	45517	65578	42565	56048	41234	60485	39388	72416
								67730

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 2.

Table 2. Number of Work Units for Each Class of Livestock and Each Acre of Crop

Item	No. of work units	Item	No. of work units
Dairy and dual pur. cows	10.0 per cow	Small grain	.5 per acre
Other dairy & du. pur. 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

\*. 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 3. Summary of Farm Earnings (Cash Statement), 1955

Items	Average Your of 311 farm	62 most profitable farms	62 least profitable farms
<b>FARM RECEIPTS</b>			
1. Dairy cattle	\$ 912	\$1316	\$ 675
2. Dairy products	3242	4666	1667
3. Beef cattle (including feeding cattle)	4271	4043	6921
4. Hogs	4756	4533	6250
5. Sheep and wool	548	147	1363
6. Horses	6	7	7
7. Poultry (including turkeys)	443	647	798
8. Eggs	1164	1281	1222
9. Corn	2628	3047	2807
10. Small grain	626	865	708
11. Other crops	1519	2016	1332
12. Machinery & equip. sold	186	267	239
13. Income from work off the farm	415	656	428
14. Miscellaneous	237	243	314
15. Total farm sales	20953	23734	24731
16. Increase in farm capital	-	-	-
17. Family living from the farm	296	307	299
18. Total farm receipts	21249	24041	25030
<b>FARM EXPENSES</b>			
19. Dairy and dual-purpose cattle bought	\$ 137	\$ 104	\$ 167
20. Beef cattle bought (incl. feeding cattle)	2122	2069	3542
21. Hogs bought	254	143	575
22. Sheep bought	309	2	857
23. Horses bought	4	7	3
24. Poultry bought (including turkeys)	162	214	217
25. Misc. livestock expenses	429	440	465
26. Feed bought	3358	2888	5628
27. Fertilizers	791	976	1038
28. Other crop expenses	715	781	804
29. Custom work hired	620	619	658
30. Gas, oil and grease bought (farm share)	844	867	973
31. Repairs for tractors, trucks & autos (farm share)	442	426	556
32. Repair and upkeep of farm real estate	268	232	326
33. Repair and upkeep of crop & gen. mach.	298	314	353
34. Repair and upkeep of livestock equip.	135	119	159
35. Wages of hired labor	859	960	1148
36. Electricity expense	206	231	215
37. Pers. prep. and real est. taxes	720	850	778
38. Telephone and general farm expense	299	300	357
39. Total cash operating expense	12972	12542	18819
40. Mechanical power bought (farm share)	724	760	951
41. Crop and general machinery bought	655	898	795
42. Livestock equipment bought	234	210	274
43. New real estate improvements	765	887	628
44. Total farm purchases	15350	15297	21467
45. Decrease in farm capital	1459	225	3285
46. Interest on farm capital	2710	2853	3147
47. Unpaid family labor	455	434	494
48. Board furnished hired labor	119	137	137
49. Total farm expenses	20093	18946	28530
50. Labor earnings	1156	5095	-3500

Table 3. Summary of Farm Earnings (Cash Statement) 1955 (continued)

Table 4. Summary of Farm Earnings (Enterprise Statement) 1955\*

Items	Your farm	Average of 311 farms	62 most profitable farms	62 least profitable farms
RETURNS AND NET INCREASES				
1. Dairy and dual-purpose cows		\$3310	\$4822	\$1678
2. Other dairy & dual-pur. cattle		928	1220	561
3. Beef breeding herd		410	381	762
4. Feeder cattle		2053	1847	3150
5. Hogs		3954	3947	4837
6. Sheep-farm flock		152	94	186
7. Sheep-feeders		95	-	302
8. Turkeys		248	443	519
9. Chickens		1287	1412	1300
10. All productive livestock		12437	14166	13295
11. Value of feed fed to livestock		9609	9674	11913
12. Return over feed from livestock		2828	4492	1382
13. Crops, seed, and feed		8310	10787	6853
14. Income from labor off the farm		250	391	235
15. Agricultural conservation payments		35	40	59
16. Miscellaneous		194	204	256
17. Total returns & net increases		11617	15914	8785
EXPENSES AND NET DECREASES				
18. Horses	\$ 16	\$ 17	\$ 14	
19. Truck	299	353	366	
20. Auto (farm share)	448	380	493	
21. Tractor	1018	1028	1186	
22. Electricity (f. share)	220	249	234	
23. Hired power	292	301	313	
24. Total power	2293	2328	2606	
25. Crop and general machinery	1158	1163	1149	
26. Livestock equipment	352	279	356	
27. Buildings, fencing, and tiling	850	849	1116	
28. Misc. productive livestock exp.	427	440	466	
29. Labor	1652	1757	2010	
30. Real estate taxes	568	688	602	
31. Personal property tax	152	162	176	
32. Insurance	129	139	149	
33. General farm	170	161	208	
34. Interest on farm capital	2710	2853	3147	
35. Total expenses & net decreases	10461	10819	12285	
36. Labor earnings	1156	5095	-3500	

\* Cash receipts and expenses are adjusted for changes in inventory for each enterprise and for each item of expense in order to show total receipts and net increases, and total expenses and net decreases. The operator's labor earnings are the same as those on page 9.

Table 4. Summary of Farm Earnings (Enterprise Statement) 1955 (continued)

Items	165 Assoc. farms	146 S.E. Assoc. farms	62 gen. live- stock farms	60 gen. lvst. & crop farms	40 dairy & hog farms	19 dairy hog & crop farms	28 cattle, hog & crop farms	19 feeder cattle & hog farms	
	165 Assoc. farms	146 S.E. Assoc. farms	62 gen. live- stock farms	60 gen. lvst. & crop farms	40 dairy & hog farms	19 dairy hog & crop farms	28 cattle, hog & crop farms	19 feeder cattle & hog farms	
1.	\$5237	\$1132	\$4202	\$2170	\$6116	\$5572	\$9867	\$43	\$104
2.	1368	430	1321	736	1805	1584	1692	17	87
3.	242	600	421	575	-	27	-	46	74
4.	616	3677	913	1735	67	29	-	6722	10801
5.	3058	4966	4108	3743	3990	4536	325	5546	8788
6.	114	194	240	290	57	37	64	61	23
7.	37	161	-	83	-	-	-	-	44
8.	150	360	114	535	-	-	-	-	-
9.	1502	1044	1921	1888	696	514	586	617	429
10.	12324	12564	13240	11755	12731	12299	12534	13052	20350
11.	8665	10676	9757	9737	8758	8642	7206	11590	17713
12.	3659	1888	3483	2018	3973	3657	5328	31462	2637
13.	7666	9038	6368	9432	6150	10227	6041	11993	7909
14.	287	207	221	251	148	150	60	172	257
15.	43	26	23	50	34	35	45	29	25
16.	147	248	151	177	142	227	119	254	309
17.	11802	11407	10246	11928	10447	14296	11593	13910	11137
18.	25	5	21	15	31	5	32	7	2
19.	317	279	227	399	287	320	164	323	267
20.	394	509	412	486	358	474	330	559	501
21.	936	1109	786	1161	848	1213	862	1164	1048
22.	247	190	232	226	235	241	270	201	183
23.	312	270	216	305	300	333	485	280	332
24.	2231	2362	1924	2592	2059	2586	2143	2534	2333
25.	1076	1252	907	1323	861	1360	787	1386	1318
26.	294	418	306	316	278	358	257	221	383
27.	889	806	827	943	814	860	680	1034	1135
28.	1429	421	397	414	498	615	569	329	550
29.	1746	1545	1379	1886	1484	1698	1691	1905	1627
30.	568	568	491	603	486	643	534	686	546
31.	148	156	134	152	137	152	148	180	188
32.	128	130	102	145	118	115	174	132	139
33.	146	197	141	194	130	185	126	185	213
34.	2254	3226	2159	2864	2078	3064	1935	3664	3467
35.	9909	11084	8767	11432	8943	11636	9044	12256	11899
36.	1893	323	1479	496	1504	2660	2549	1654	-762

Table 5. Net Worth Statement for Those Farmers Who Kept a Complete Record of All Assets and Liabilities, 1955 (Operator's share)

Items	Your farm		69 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			200	
Owned			200	
Rented			-	
Total farm capital			\$45402	\$43863
Stocks and bonds			2130	2160
Life insurance			2207	2352
Notes and accounts receivable			819	755
Shares in marketing organizations			581	622
Outside real estate			1954	2631
Cash on hand in bank			1465	1576
Household furnishings and clothing			2284	2423
Pers. share of auto			614	532
Farm dwelling			3938	3845
Total non-farm assets			15992	16996
Total assets			61394	60859
Federal Land Bank mortgage			1888	2127
Other mortgages on farm operated			5427	5334
Loans on other real estate			-	254
Production credit assoc. loans			575	391
Sealed grain			514	285
Other chattel mortgages			704	732
Notes payable			2795	2757
Accounts payable			369	341
Total liabilities			12272	12221
Farmer's net worth			49122	48638
Change in net worth			-484	

Items	32 part-owners*		49 renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm	258		254	
Owner	135		-	
Rented	123		254	
Total farm capital	\$45093	\$44364	\$21813	\$20909
Stocks and bonds	1710	1509	1025	1135
Life insurance	1330	1463	1074	1185
Notes and accounts receivable	548	385	54	197
Shares in marketing organizations	559	611	299	347
Outside real estate	100	59	451	1903
Cash on hand and in bank	1787	1793	1824	1384
Household furnishings and clothing	2186	2238	2094	2215
Pers. share of auto	501	504	521	511
Farm dwelling	3114	3987	79	76
Total non-farm assets	11835	12549	7421	8953
Total assets	56928	45913	29234	29862
Federal Land Bank mortgage	1812	2412	-	-
Other mortgages on farm operated	6365	6677	-	-
Loans on other real estate	25	25	175	619
Production Credit Assoc. loans	622	829	523	826
Sealed grain	882	984	784	925
Other chattel mortgages	1643	1205	2205	2225
Notes payable	2523	2410	1790	2092
Accounts payable	286	448	579	623
TOTAL LIABILITIES	11158	14990	6056	7310
Farmer's net worth	42770	41923	23178	22552
Gain in net worth		-847		-626

\* 11 rented for cash, 5 cash and crop share, 12 crop share & 4 livestock & crop share

\*\* 10 rented for cash, 20 cash & crop share, 2 crop share & 17 livestock & crop share

Table 6. Summary of Farm Earnings by Tenure. 1955 (Operator's Share)

Items	Your farm	69 owners	32 part owners	49 renters
<b>FARM RECEIPTS</b>				
Dairy and dual-purpose cattle	\$ _____	\$ 849	\$ 824	\$ 703
Dairy products	_____	3368	2807	1782
Beef cattle (including feeders)	_____	3664	4049	3825
Hogs	_____	4449	4668	4534
Sheep and wool (including feeders)	_____	770	241	295
Horses	_____	11	1	3
Poultry (including turkeys)	_____	1080	123	120
Eggs	_____	1358	1094	824
Corn	_____	1878	2813	1577
Small grain	_____	478	453	395
Other crops	_____	876	1563	1120
Machinery and equipment sold	_____	111	266	194
Income from work off the farm	_____	501	364	495
Miscellaneous	_____	240	291	169
(1) Total farm sales	\$ _____	\$19633	\$19557	\$16036
(2) Increase in farm capital	_____	--	--	--
(3) Family living from the farm	_____	273	364	254
(4) Total farm receipts (1)+(2)+(3)	\$ _____	\$19906	\$19921	\$16290
<b>FARM EXPENSES</b>				
Dairy and dual-purpose cattle bought	\$ _____	\$ 64	\$ 96	\$ 150
Beef cattle bought (incl. feeders)	_____	1864	2112	1650
Hogs bought	_____	275	164	120
Sheep bought (including feeders)	_____	440	10	94
Horses bought	_____	6	11	--
Poultry (including turkeys)	_____	277	110	87
Misc. livestock expense	_____	433	420	428
Feed	_____	3812	3064	3397
Fertilizers	_____	681	830	571
Other crop expense	_____	625	657	569
Custom work hired	_____	595	577	490
Gas, oil and grease	_____	737	811	740
Rep. tractor, truck & auto (farm share)	_____	431	439	443
Rep. and upkeep of real estate	_____	301	208	44
Rep. and upkeep of crop & gen. mach.	_____	239	301	291
Rep. and upkeep of livestock equip.	_____	146	138	103
Wages of hired labor	_____	830	1135	686
Electricity expense (farm share)	_____	205	204	167
Real est. and pers. prop. taxes	_____	609	489	124
Cash rent	_____	--	423	601
Gen. farm and insurance	_____	329	312	224
Interest paid	_____	523	597	273
Total cash operating expense	\$ _____	\$13422	\$13108	\$11252
Mech. power bought (farm share)	_____	616	686	747
Crop and gen. mach. bought	_____	527	691	700
Livestock equipment bought	_____	277	265	130
New real estate improvements	_____	737	1219	88
(5) Total farm purchases	\$ _____	\$15579	\$15969	\$12917
(6) Decrease in farm capital	_____	1539	729	904
(7) Interest on farm capital	_____	1709	1639	795
(8) Unpaid family labor	_____	279	258	236
(9) Board furnished hired labor	_____	110	171	84
(10) Total farm expenses (5)+(6)+(7)+(8)+(9)	_____	\$19216	\$18766	\$14936
(11) Labor earnings (4)-(10)	\$ _____	\$ 690	\$ 1155	\$ 1354
(12) Ret. to cap. & fam. lab. (7)+(8)+(11)	\$ _____	\$ 2678	\$ 3052	\$ 2385

Table 7. Household and Personal Expenses for  
Those Farms Which Kept Complete Accounts of These Expenses, 1955

Items	Your farm	Average of 128 farms	26 most profitable farms	26 least profitable farms
Number of persons - family		4.6	4.8	4.6
Number of adult equiv.-family other*		3.4 .3	3.3 .4	3.5 .2
<u>EXPENSES</u>				
Food and meals bought		\$ 842	\$ 843	\$ 952
Operating and supplies		254	268	288
Furnishings and equipment		229	270	229
Clothing and clothing materials		334	370	375
Personal care and spending		74	71	55
Education and recreation		211	242	226
Gifts and special events		111	119	120
Medical and hosp. insurance		310	294	289
Church and welfare		224	248	284
Pers. share of auto expense		144	141	154
Upkeep on dwelling		50	41	24
Pers. share of tele. and elect. exp.		106	110	106
Total cash living expense		2889	3017	3102
Pers. share new autos		145	248	119
New dwelling		136	170	207
Taxes		229	248	387
Life insurance		279	334	354
Other savings and investments		702	1260	1196
Total household & pers. cash exp.		4380	5277	5365
Family living from the farm		311	308	322
Total cash expenses and perquisites		4694	5585	5687
<u>RECEIPTS</u>				
Return to capital and fam. labor		\$2609	\$5576	\$-1027
Income from outside investments		231	209	394
Other personal income		277	247	416

\* Hired help or others boarded.

Table 8.. Family Living from the Farm, 1955

Items	Your farm	Average	Average
		of 311 farms	Your farm
<b>No. of adult equivalents:</b>			
Family		3.4	
Other*		.3	
Whole milk		1058 qts.	\$71.88
Skim milk		94 qts.	1.26
Cream		45 pts.	10.39
Cattle		607 lbs.	92.52
Hogs		357 lbs.	50.48
Sheep		3 lbs.	.44
Poultry		107 lbs.	21.37
Eggs		155 doz.	47.30
Total			\$295.64

\* Hired help or others boarded.

#### CUMULATIVE EFFECT OF EXCELLING IN A NUMBER OF MANAGEMENT FACTORS

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

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

No. of factors in which farmer excels	No. of farms	Your farm	The length of the shaded lines is in proportion to the average operator's labor earnings	Average labor earnings
None or 1	37		XXXXXXXXXX	\$-966
2	53		XX	205
3	61		XXXXXXXXXXXX	1246
4	66		XXXXXXXXXXXXXX	1325
5	55		XXXXXXXXXXXXXXXXXXXXXX	2330
6 or 7	39		XXXXXXXXXXXXXXXXXXXXXXXXX	2371

The array in table 9 indicates that it will be worth while for each co-operator to study carefully his ranking on pages 14 to 16, and learn his standing in respect to each of the above factors and the elements of strength and weakness in his farm business.

Table 10. Measures of Farm Organization and Management Efficiency, 1955

Measures used in chart on page 16	Your farm	Average of 311 farms	62 most profit- able farms	62 least profit- able farms
1. Labor earnings	\$ _____	\$1156	\$5095	\$-3500
2. Crop yields*	_____	100	108	95
3. Per cent tillable land in high ret. crops**	_____	64.5	66.4	62.2
4. Ret. for \$100 feed to prod. livestock***	_____	100	109	91
5. Prod. livestock units per 100 acres****	_____	34.9	30.5	41.4
6. Size of business - work units	_____	444	499	452
7. Work units per worker	_____	247	277	238
8. Pow., mach., equip., & Bldg. exp. per work unit	_____	\$11.03	\$9.46	\$13.36

Items related to some of the above measures:

Index of return for \$100 feed from:				
9. Dairy cattle (see pages 20 & 21)	_____	100	111	87
10. Dual-purpose cattle (see pp. 22 & 23)	_____	100	-	-
11. Beef cattle - breeding herd (see p. 24)	_____	100	122	100
12. Beef cattle - feeders (see page 24)	_____	100	100	87
13. Hogs (see page 25)	_____	100	111	90
14. Sheep - farm flock (see page 26)	_____	100	112	88
15. Sheep - feeders (see page 26)	_____	100	-	91
16. Turkeys (see page 28)	_____	100	-	-
17. Chickens (see page 27)	_____	100	109	97
18. Number of animal units	_____	72.6	72.2	90.9
19. Work units on crops	_____	114	124	124
20. Work units on productive livestock	_____	305	336	304
21. Other work units	_____	25	39	24
22. Number of family workers	_____	1.3	1.3	1.3
23. Number of hired workers	_____	.5	.5	.6
24. Total number of workers	_____	1.8	1.8	1.9
25. Power expense per work unit	_____	\$5.49	\$4.86	\$6.32
26. Crop machinery expense per work unit	_____	2.77	2.36	3.62
27. Livestock equip. expense per work unit	_____	.67	.58	.79
28. Bldgs. & fencing exp. per work unit	_____	2.10	1.66	2.63

\* Given as a percentage of the average

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

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

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

Table 10. Measures of Farm Organization and Management Efficiency (con't.).

Thermometer Chart

Using your figures from page 14, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 311 farms included in this summary are located between the dotted lines across the center of this page.

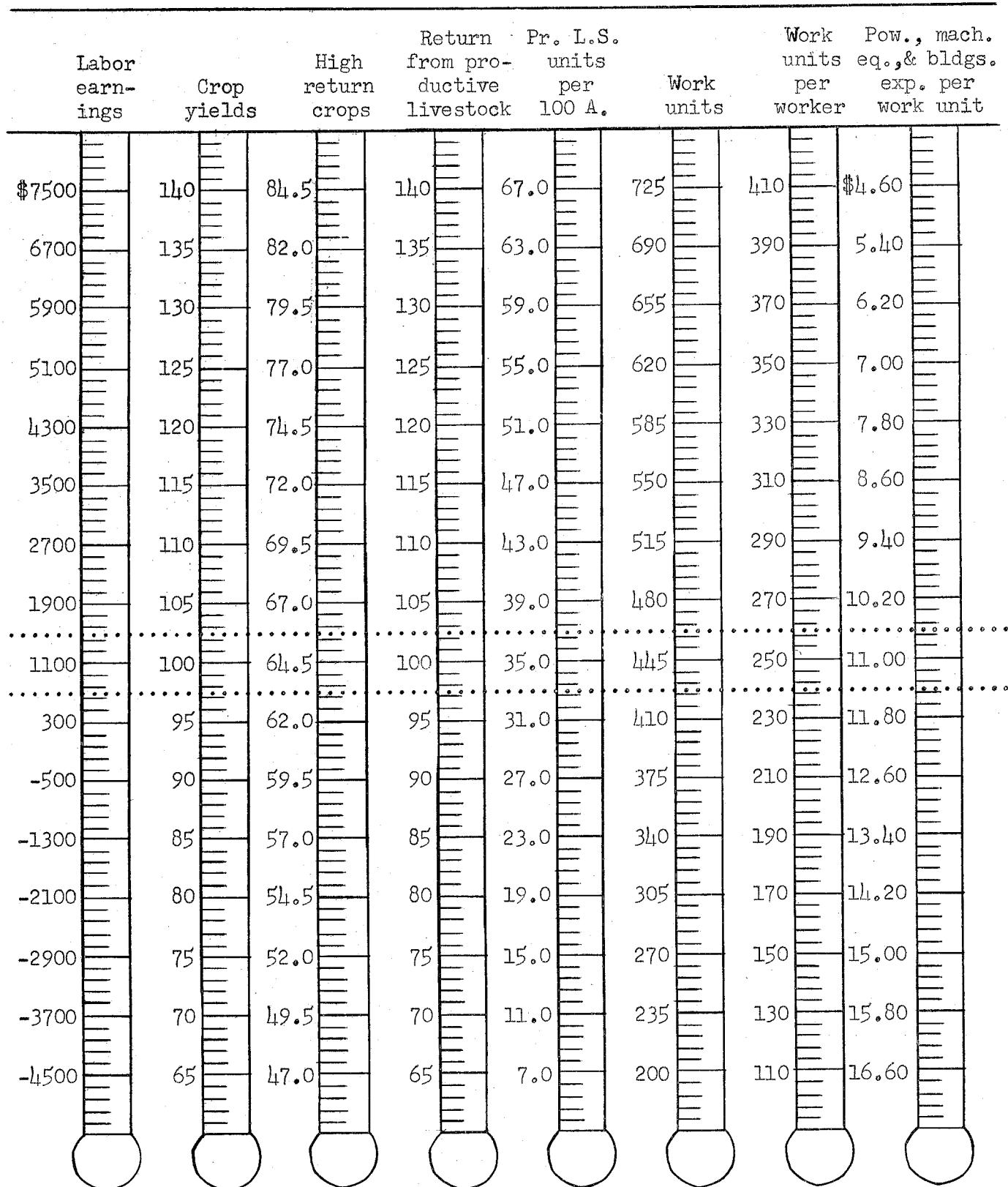


Table 11 Distribution of Acres in Farm, 1955

Crop	Crop ratings for*		Number growing this crop		Your Farm	Average acreage of farms in	
	S.E. Minn.	S.W. Minn.	S.E. Minn.	S.W. Minn.		S.E. Minn.	S.W. Minn.
Canning peas	A	A	16	7		1.4	1.1
Flax	C	C	6	35		.4	8.0
Barley	D	D	12	15		1.3	3.4
Oats and barley	D	D	4	1		.5	.2
Oats	D	D	160	135		33.0	39.7
Wheat or rye	D	D	18	2		1.3	.1
Total small grain & peas			162	141		37.9	52.5
Seed corn, potatoes, truck crops	A	A	8	2		.6	--
Corn grain	A	A	165	144		53.8	92.1
Corn silage	B	C	105	80		6.1	8.7
Sweet corn	B	B	19	5		2.3	1.3
Soybeans for grain	C	B	77	93		13.4	28.0
Corn or sorghum fodder	D	D	2	--		.2	--
Total cultivated crops			165	146		76.4	130.1
Alfalfa hay	A	B	162	136		36.7	27.1
Red Clover hay	B	C	10	--		.8	--
Other legumes & mixtures	C	C	5	19		.3	2.8
Legumes for seed	C	D	6	5		.1	.3
Timothy & Brome hay or seed	D	D	4	4		.3	.3
Annual hay	D	D	9	9		.6	.3
Oat silage	D	D	9	25		.5	3.3
Total tillable land in hay			163	144		39.3	34.1
Alfalfa pasture	A	A	128	99		17.6	13.0
Other legumes and mixtures	C	C	14	11		1.5	1.1
Sudan and/or rape	C	C	9	4		.4	.1
Other tillable pasture	D	D	35	18		3.0	1.4
Total tillable land in pasture			141	115		22.5	15.6
Tillable land not cropped	D	D	9	9		.6	1.0
Total tillable land			165	146		176.7	233.3
Wild Hay			34	19		2.1	2.1
Non-tillable pasture			113	81		23.1	18.0
Timber not pastured			69	14		6.7	1.2
Roads and waste						10.5	8.6
Farmstead						6.9	8.5
Total acres in farm						226.0	271.7
Per cent land tillable						78.2	85.9
Per cent tillable land in high return crops						68.0	60.6

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

Table 12 Crop Yields Per Acre, 1955

Crop	Your Farm	Average of farms growing each crop in	
		S.E. Minn.	S.W. Minn.
Canning peas, dollars	_____	\$67.92	\$41.79
Flax, bu.	_____	16.1	15.9
Barley, bu.	_____	37.3	34.5
Oats and barley, bu.	_____	52.2	--
Oats, bu.	_____	55.3	55.1
Wheat, bu.	_____	32.1	--
Corn grain, bu.	_____	67.5	51.5
Corn silage, tons	_____	11.7	8.8
Sweet corn, tons	_____	3.5	3.0
Soybeans, bu.	_____	23.1	21.3
Alfalfa hay, tons	_____	3.0	2.2
Red clover hay, tons	_____	2.9	--
Other legumes & mixtures, tons	_____	2.0	1.8
Legume seed, lbs.	_____	137.0	54.0
Timothy or brome hay, tons	_____	1.9	.7
Annual hay	_____	1.9	1.7
Oat silage, tons	_____	6.1	6.1
Wild hay, tons	_____	.4	.4

Table 13 Average Price of Feeds, 1955

Item	Value	Item	Value
Ear corn, per bu.	\$1.23	Alfalfa hay, per ton	\$18.00
Oats, per bu.	.61	Red or alsike clov. hay, per ton	15.20
Barley, per bu.	.93	Timothy, per ton	10.40
Wheat, per bu.	2.00	Wild hay, per ton	9.00
Bran, per cwt.	2.65	Corn silage, per ton	6.00
Linseed oil meal, per cwt.	4.10	Pasture, per mo. per cow	2.50
Meat scrops, per cwt.	5.10	Skim milk per cwt.	.34

Table 14 Power and Machinery Expenses Per Crop Acre, 1955

Items	Your Farm	Average of 311 farms	62 most profitable farms	62 least profitable farms
Crop acres per farm	_____	185	251	199
Tractor and horse exp. per crop acre	_____	\$ 5.92	\$ 6.37	\$ 6.26
Crop & gen. mach. exp. per crop acre	_____	6.56	6.96	7.80

TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 15. 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 8. The value of milk consumed by calves is included in the total returns from dairy or dual purpose cows and in the total feed cost for other dairy or other dual purpose cattle. The value of milk consumed by calves is not included in either the total returns or the feed cost of "all dairy" or "all dual purpose" cattle. The return over feed is not a net return, but rather the amount available from the gross income, after paying the feed bill, to cover the outlay for hired labor, power, equipment, taxes, insurance, interest and veterinary bills and to provide a return for the use of family labor and capital.

Table 15 Total Feed Costs and Returns from Your Livestock Enterprises, 1955

	Dairy or dual purpose cattle Cows	Other	All	Beef breeding herd
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 per cent of the total costs of maintaining dairy cattle and poultry, 50 per cent in the case of a farm flock of sheep, and 75 to 90 per cent for hogs, feeder cattle and feeder lambs. Consequently, it is necessary to secure a relatively higher return over feed from dairy cattle and poultry than from the other livestock enterprises in order to be able to cover all the costs other than feed.

Table 16 Factors of Cost and Returns from Dairy Cows, 1955

Items	Your farm	Average of 176 farms	35 farms highest in butterfat per cow	35 farms lowest in butterfat per cow
Pounds of butterfat per cow	314	404	214	
% of butterfat in milk	3.6	3.7	3.7	
Price rec. per lb. B.F. sold (\$)	85.2	89.1	78.4	
As manufacturing cream (cents)	62.7	64.1	62.5	
Other (cents)	89.8	92.9	87.1	
Feeds per cow, lbs.:				
Corn	1675	2202	1229	
Small grain	777	992	478	
Commercial feeds	365	585	185	
Legume hay	4892	5200	4443	
Other hay	423	514	441	
Fodder and stover	11	--	--	
Total concentrates	2817	3779	1892	
Total hay and fodder	5326	5714	4884	
Silage	7113	8660	6551	
Feed cost per cow:				
Concentrates	\$66.23	\$88.53	\$44.46	
Roughages	68.13	75.97	62.72	
Pasture	11.39	11.21	11.55	
TOTAL FEED COST	\$145.75	\$175.71	\$118.73	
Value of produce per cow:				
Dairy product sales	\$254.20	\$341.30	\$151.31	
Dairy produce used in home	7.55	7.32	11.00	
Milk to livestock	10.40	11.61	10.03	
Net increase in value of cows	- 9.50	- 4.80	- 8.46	
TOTAL VALUE PRODUCED	\$262.65	\$355.43	\$163.88	
RETURNS ABOVE FEED COST PER COW	\$116.90	\$179.72	\$ 45.15	
RETURNS FOR \$100 OF FEED	\$180	\$202	\$138	
Feed cost per lb. B.F. (cents)	46.4	43.5	55.5	
Number of cows*	20.5	24.8	16.1	

\* 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, 1955

Items	Your farm	Average of 175 farms*	35 farms highest in butterfat per cow	34 farms lowest in butterfat per cow*
Feed per head, lbs.:				
Concentrates		658	755	534
Hay and fodder		2106	1889	2265
Silage		2311	2505	2586
Skim milk		217	104	427
Whole milk		251	259	270
TOTAL FEED COSTS PER HEAD		\$54.07	\$57.26	\$52.30
Net inc. in value of other dairy cattle		67.44	76.99	68.90
RETURNS ABOVE FEED COST PER HEAD		13.37	19.73	16.60
RETURNS FOR \$100 OF FEED		\$ 125	\$ 134	\$ 132
Number of head of other dairy cattle		22.7	28.0	16.2

\* One farmer had both a milking herd and a beef herd, used a beef bull, and included all the young stock in the beef herd.

Table 18. Feed Costs and Returns from All Dairy Cattle, 1955

Items	Your farm	Average of 176 farms	35 farms highest in butterfat per cow	35 farms lowest in butterfat per cow
Feeds per animal unit, lbs.:				
Concentrates		2284	2929	1650
Hay and fodder		4912	4940	4734
Silage		6261	7272	6304
TOTAL FEED COSTS PER ANIMAL UNITS		\$125.73	\$144.96	\$107.64
Value of produce per animal unit:				
Dairy products		\$169.33	\$220.79	\$107.27
Net increase in val. of dairy cattle		41.47	53.39	42.01
TOTAL VALUE PRODUCED		\$210.80	\$274.18	\$149.28
RETURNS ABOVE FEED PER ANIMAL UNIT		\$85.07	\$129.22	\$11.64
RETURNS PER \$100 OF FEED		\$170	\$194	\$141
Animal units of dairy cattle		32.0	39.2	24.1

Table 19. Factors of Costs and Returns from Dual Purpose Cows. 1955

Items	Your farm	Average of 10 farms
Pounds of butter fat per cow		183
Per cent butterfat in milk		3.6
Price received per lb. B.F. sold (cents)		72.9
As manufacturing cream (cents)		67.0
Other (cents)		86.7
Feeds per cow, lbs.:		
Corn		752
Small grain		796
Commercial feeds		170
Legume hay		3862
Other hay		481
Fodder and Stover		139
Total concentrates		1718
Total hay and fodder		4482
Silage		5649
Feed cost per cow:		
Concentrates	\$	\$39.74
Roughages		54.28
Pasture		11.67
TOTAL FEED COSTS	\$	\$105.69
Value of produce per cow:		
Dairy product sales	\$	\$113.78
Dairy produce used in house		6.43
Milk to livestock		22.95
Net increases in value of cows		6.85
TOTAL VALUE PRODUCED	\$	\$150.01
RETURNS ABOVE FEED COST PER COW	\$	\$ 44.32
RETURNS FOR \$100 OF FEED	\$	\$142
Feed cost per lb. B.F. (cents)		57.8
Number of cows		15.1

Table 20. Feed Costs and Returns from Other Dual Purpose Cattle. 1955

Items	Your farm	Average of 9 farms*
Feeds per head, lbs.:		
Concentrates	919	
Hay and fodder	1709	
Silage	1814	
Skim milk	287	
Whole milk	281	
TOTAL FEED COST PER HEAD	\$ _____	\$ 57.40
Net increase in value	\$ _____	\$ 68.62
RETURNS ABOVE FEED COST PER HEAD	\$ _____	\$ 11.22
RETURNS FOR \$100 OF FEED	\$ _____	\$ 120
Number of head	_____	27.2

\* One farmer had both a milking herd and a beef herd, used a beef bull, and included all the young stock in the beef herd.

Table 21. Feed Costs and Returns from All Dual Purpose Cattle. 1955

Items	Your farm	Average of 10 farms
Feeds per animal unit, lbs.:		
Concentrates	1778	
Hay and fodder	3815	
Silage	4788	
TOTAL FEED COSTS PER ANIMAL UNIT	\$ _____	\$ 97.64
Value of produce per animal unit:		
Dairy products	\$ _____	\$ 71.77
Net increase in value	_____	61.86
TOTAL VALUE PRODUCED	\$ _____	\$ 133.63
RETURNS ABOVE FEED PER ANIMAL UNIT	\$ _____	\$ 35.99
RETURNS FOR \$100 OF FEED	\$ _____	\$ 136
Animal units	_____	27.8

Table 22. Feed Costs and Returns from Beef Cattle. 1955

Items	Your farm	Average of all farms
Beef breeding herd: No. of farms:		48
Feeds per animal unit, lbs.:		
Concentrates		1523
Legume		3175
Other hay		586
Silage		5903
Feed Cost per animal unit:		
Concentrates	\$ _____	\$35.69
Roughages		48.03
Milk*		.43
Pasture		14.46
TOTAL FEED COST	\$ _____	\$98.61
Value of produce per animal unit:		
Dairy products	\$ _____	\$ 8.23
Net increase in value of animal		83.46
TOTAL VALUE PRODUCED	\$ _____	\$91.69
RETURNS ABOVE FEED COST PER ANIMAL UNITS	\$ _____	\$ -6.92
RETURNS FOR \$100 OF FEED	\$ _____	\$ 96
Lbs. beef produced		14856
Number of cows and herd bulls		21.4
Number of other beef cattle		29.2
Number of animal units in the herd		25.9
Feeding Cattle: No. of farms:		118
Feeds per cwt. beef produced, lbs.:		
Corn		502
Small grain		35
Commercial feeds		48
Legume hay		320
Other hay		47
Fodder and stover		1
Total concentrate		585
Total hay and fodder		368
Silage		592
Feed cost per cwt. beef produced		
Concentrates	\$ _____	\$13.82
Roughages		4.85
Pasture		.73
TOTAL FEED COSTS	\$ _____	\$19.40
Net increase in value of feeders		20.47
RETURNS ABOVE FEED COST PER CWT. BEEF PROD.	\$ _____	1.07
RETURNS FOR \$100 OF FEED	\$ _____	\$111.
Price paid per cwt. beef bought	\$ _____	18.08
Price received for feeder cattle sold	\$ _____	20.71
Number of animal units		45.7
Pounds of beef produced		27124

\* From the dairy herd

Table 23. Feed Costs and Returns from Hogs. 1955

Items	Your farm	Average of 255 farms	51 farms highest in returns above feed	51 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.:				
Corn	—	298	239	378
Small grain	—	89	78	120
Commercial feeds	—	54	43	65
Total concentrates	—	441	360	563
Skim milk, buttermilk and whey	—	22	13	19
Feed cost per cwt. hogs produced:				
Concentrates	\$ —	\$10.88	\$ 8.72	\$13.55
Skim milk, buttermilk and whey	—	.09	.05	.09
Pasture	—	.10	.09	.10
TOTAL FEED COSTS	\$ —	\$11.07	\$ 8.86	\$13.74
Net increase in value per cwt. hogs produced	\$ —	\$11.85	\$13.28	\$10.22
RETURNS ABOVE FEED COST PER CWT.				
HOGS PRODUCED	\$ —	\$ .78	\$ 4.42	\$-3.52
RETURNS FOR \$100 OF FEED	\$ —	\$112	\$152	\$75
Price received per cwt. hogs sold	\$ —	\$ 14.39	\$ 15.01	\$13.80
No. of spring litters raised	—	15.6	14.6	11.5
No. of fall litters raised	—	9.2	8.5	7.2
Total no. of litters raised	—	24.8	23.1	18.7
No. of pigs born per litter	—	8.6	8.8	8.3
No. of pigs weaned per litter	—	6.9	7.0	6.7
Pounds of hogs produced	—	40374	38662	31164

Table 24. Feed Costs and Returns from a Farm Flock of Sheep. 1955

Items	Your farm	13 farms average of 65 farms	13 farms highest in returns above feed	13 farms lowest in returns above feed
Feeds per head,* lbs.:				
Concentrates		121	98	156
Legume hay		358	228	415
Other hay		36	6	116
Fodder and stover		4	7	--
Silage		114	76	75
Feed Cost per head:				
Concentrates	\$	\$ 2.64	\$ 2.17	\$ 3.47
Roughages		3.74	2.21	4.51
Pasture		2.22	2.05	2.41
TOTAL FEED COSTS	\$	\$ 8.60	\$ 6.43	\$10.39
Value of produce per head:				
Wool	\$	\$ 2.87	\$ 2.72	\$ 2.78
Net increase in value of sheep		9.09	14.63	2.94
TOTAL VALUE PRODUCED	\$	\$11.96	\$17.35	\$ 5.72
RETURNS ABOVE FEED COST PER HEAD	\$	\$ 3.36	\$10.92	\$-4.67
RETURNS FOR \$100 OF FEED	\$	\$160	\$289	\$58
Price per cwt. of lambs sold	\$	\$18.27	\$20.22	\$15.87
Price per lb. wool sold (cts.)		41.8	40.5	40.2
Pounds of wool per sheep sheared		8.8	8.9	8.4
Number of ewes kept for lambing		41	36	42
Per cent lamb crop**		108	123	90
Per cent death loss**		8.8	7.0	12.6
Pounds of sheep produced		3534	4132	2127
Number of head of sheep*		57.6	49.5	58.4

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

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

Table 25. Feed Costs and Returns from Feeder Lambs. 1955

Items	Your farm	Average of 9 farms
Feed per cwt. lambs produced, lbs.:		
Concentrates		449
Legume hay		399
Other hay		73
Silage		--
Feed cost per cwt. lambs produced	\$	\$14.05
Net increase in value per cwt. produced		19.57
Return above feed cost per cwt. produced		5.52
RETURN FOR \$100 OF FEED	\$	\$143
Price paid per cwt. lambs bought	\$	\$18.66
Price received per cwt. lambs sold		19.45
Per cent death loss		3.2
Pounds of lambs produced		18025

Table 26. Feed Costs and Returns from Chickens. 1955\*

Items	Your farm	Average of 221 farms	highest in return above feed	lowest in return above feed
		44 farms	44 farms	
Feed per hen, lbs.:				
Grain		89	86	93
Commercial feeds		47	47	46
Total concentrates		136	133	139
TOTAL FEED COST PER HEN	\$	\$4.03	\$3.92	\$4.09
Value of produce per hen:				
Eggs sold and used in house	\$	\$5.46	\$6.64	\$4.08
Net increase in value of chickens		.39	1.09	-.10
TOTAL VALUE PRODUCED	\$	\$5.85	\$7.73	\$3.98
RETURNS ABOVE FEED COST PER HEN	\$	\$1.82	\$3.81	\$-.11
RETURNS FOR \$100 OF FEED	\$	\$149	\$204	\$98
Price rec'd. per doz. eggs sold (cts.)		33.3	33.8	32.2
Eggs laid per hen		197	236	152
Ave. no. of hens on farm during year		293	317	209
Per cent of hens that are pullets		82	93	75
Per cent death loss of hens		12	8	14
Number of chicks started:				
Pullets		326	419	170
Straight run		22	35	31
Cockerels		37	64	22
Lbs. chickens produced		1138	1795	563

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

Table 27. Feed Cost and Returns from Laying Hens. 1955

Items	Your farm	Average of 55 farms	highest in eggs per hen	lowest in eggs per hen
		11 farms	11 farms	
Feed per hen, lbs.:				
Grain		75	70	77
Commercial feeds		40	42	35
Total concentrates		115	112	112
TOTAL FEED COST PER HEN	\$	\$3.28	\$3.37	\$3.03
Value of produce per hen:				
Eggs sold and used in home	\$	\$5.80	\$7.15	\$4.18
Less depreciation and death loss		.71	.75	.98
TOTAL VALUE PRODUCED	\$	\$5.09	\$6.40	\$3.20
RETURN ABOVE FEED COST PER HEN	\$	\$1.81	\$3.03	\$ .17
RETURN FOR \$100 OF FEED	\$	\$155	\$190	\$106
Eggs laid per hen		207	257	156
Price rec'd. per doz. eggs sold (cts.)		33.6	33.5	31.9
Ave. no. hens on farm during year		324	270	273
No. of hens on hand begin. of year		347	304	321
Per cent death loss		12	7	21
Per cent of hens that are pullets		86	96	73

Table 28. Feed Costs and Returns from Chicks. 1955

Items	Your farm	Average of 41 farms
Feed per 100 chicks raised, lbs.:		
Grain	_____	1379
Commercial feeds	_____	1044
Total concentrates	_____	2423
Total feed cost per 100 chicks raised	\$ _____	\$78.91
Net increase in value per 100 chicks	_____	90.94
RETURN OVER FEED COST PER 100 CHICKS	\$ _____	\$12.03
RETURN FOR \$100 OF FEED	\$ _____	\$115
Number of chicks bought:		
Pullets	_____	454
Straight run	_____	20
Cockerels	_____	63
Price paid per 100 chicks bought:		
Pullets	\$ _____	\$44.15
Straight run	_____	21.49
Cockerels	_____	4.47
Per cent death loss		12.5
Number of chicks raised	_____	465
Price rec'd. per pound sold (cents)	_____	20.7
Pounds of poultry produced	_____	1779

Table 29. Feed Costs and Returns for Turkeys. 1955

Items	Your farm	Average of 4 farms
Feed per cwt. turkeys produced, lbs.:		
Grain	_____	278
Commercial feeds	_____	186
Total concentrates	_____	464
Feed cost per cwt. turkeys produced	\$ _____	\$13.30
Net increase in value per cwt. turkeys produced	\$ _____	\$28.06
RETURNS ABOVE FEED COST PER CWT. TURKEYS PRODUCED	_____	\$14.76
RETURNS FOR \$100 FEED	\$ _____	\$225
Number of poult's put on feed	_____	5059
Price paid per poult purchased (cts.)	_____	67.0
Per cent death loss	_____	12.9
Price received per lb. turkeys sold (cts.)	_____	31.2
Weight per bird sold (lbs.)	_____	17.3
Pounds of turkey produced	_____	69632

Table 30. Summary by Years, S. E. Minnesota Farm Management Service

	Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-49	Average 1950-51	1952	1953	1954	1955
Number of farms	148	140	149	177	169	164	160	157	166	165
Acres in farm	170	199	218	227	223	222	229	226	228	226
Crop acres in farm	116	136	147	148	148	153	158	156	154	156
Farm inventory	\$24574	\$19851	\$20286	\$25912	\$31402	\$40050	\$45863	\$43289	\$44063	\$45086

## Farm Earnings (see page 27)

FARM EXPENSES

Cattle	\$ 141	\$ 83	\$ 213	\$ 441	\$ 485	\$ 1039	\$ 1084	\$ 653	\$ 696	\$ 750
Hogs bought	85	52	72	154	194	199	136	231	245	139
Sheep bought	6	14	94	64	64	32	26	35	53	155
Poultry bought	37	41	80	142	176	146	161	170	152	145
Horses bought	36	33	43	32	14	7	11	4	4	6
Misc. livestock expense	66	64	94	124	228	321	323	421	411	433
Misc. crop expenses	186	160	222	301	701	848	957	1170	1224	1344
Feed bought	440	313	535	1273	1954	2136	2383	2148	2406	2348
Custom work hired	-	-	-	165	401	484	583	592	618	649
Power mach. (new & exp.)	399	321	559	717	1562	2190	1932	1934	1892	2078
Mach. and equip. (new)	190	122	281	392	845	1315	1181	1274	1065	827
Mach. and equip. (upkeep)	72	55	67	144	280	325	364	380	356	392
Buildings, fencing (new)	130	81	245	331	778	1178	972	835	751	747
Buildings, fencing (upkeep)	52	32	79	188	323	384	377	370	324	263
Hired labor	272	243	398	585	849	898	901	806	799	828
Taxes and insurance	298	313	281	303	449	664	756	777	820	844
General farm	30	28	35	52	93	122	140	145	149	146
Total farm purchases	\$ 2440	\$ 1955	\$ 3298	\$ 5408	\$ 9396	\$ 12278	\$ 12287	\$ 11945	\$ 11965	\$ 12094
Decrease in farm capital	-	230	-	-	-	-	-	-	-	862
Board to hired labor	102	87	145	158	174	197	170	138	126	140
Interest on farm capital	1228	992	1014	1296	1570	2002	2293	2164	2203	2254
Unpaid family labor	358	261	239	326	511	484	480	523	514	543
Total farm expenses	\$ 4128	\$ 3525	\$ 4696	\$ 7188	\$ 11651	\$ 14961	\$ 15230	\$ 14770	\$ 14808	\$ 15893

Table 30. Summary by Years, S. E. Minnesota Farm Management Service (continued)

	Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-49	Average 1950-51	1952	1953	1954	1955
<b>FARM RECEIPTS</b>										
Cattle	\$ 753	\$ 431	\$ 713	\$ 1335	\$ 2022	\$ 3198	\$ 2992	\$ 2748	\$ 2769	\$ 2688
Dairy products	1662	1188	1451	2138	4080	4252	5021	5070	4916	5145
Hogs	1164	793	1074	2517	3598	4286	4233	4411	4051	3525
Sheep and wool	52	60	200	186	232	168	159	172	188	327
Poultry	140	166	381	629	672	343	342	468	274	349
Eggs	275	243	372	751	1319	1340	1240	1453	1115	1350
Horses	30	27	55	34	20	14	17	12	12	9
Corn	37	62	153	121	335	438	697	1017	1238	1682
Small grain	241	177	357	278	659	614	500	398	352	366
Other crops	163	155	174	455	819	704	982	908	970	1226
Income from labor off farm	102	118	168	141	178	216	151	125	204	287
Agric. adj. payments	0	74	230	254	58	60	72	51	52	43
Miscellaneous	134	138	247	282	470	790	619	431	483	471
Total farm sales	\$ 4753	\$ 3632	\$ 5575	\$ 9121	\$ 14462	\$ 16423	\$ 17025	\$ 17264	\$ 16624	\$ 17468
Increase in farm capital	617	-	524	921	1411	3260	1364	654	988	-
Family living from farm	325	232	273	566	715	759	805	446	334	318
Total farm receipts	\$ 5695	\$ 3864	\$ 6372	\$ 10608	\$ 16588	\$ 20442	\$ 19194	\$ 18364	\$ 17946	\$ 17786
Total farm expenses	4128	3525	4696	7188	11651	14961	15230	14770	14808	15893
Operator's earnings	1567	339	1676	3420	4937	5481	3964	3594	3138	1893
Net cash income (loss) <sup>1955</sup>	2313	1677	2277	3713	5066	4145	4738	5319	4659	5374
<b>MISCELLANEOUS ITEMS</b>										
Yield per A. corn (bu.)	44.8	43.4	47.2	55.7	47.6	51.4	65.0	61.8	69.6	67.5
Yield per A. barley (bu.)	36.0	26.2	28.7	24.8	30.8	31.2	25.7	25.9	31.4	37.3
Yield per A. oats (bu.)	46.0	40.0	43.4	44.2	48.2	47.2	45.7	37.4	46.4	55.3
Yield per A. alfalfa (tons)	3.0	2.3	2.3	2.4	2.3	2.6	2.7	2.9	2.8	3.0
No. of milk cows	14.2	17.8	17.8	17.6	17.0	16.9	17.2	18.6	18.9	19.0
No. of litters of pigs	9.3	10.8	9.5	14.4	11.7	14.8	13.4	11.8	12.6	15.7
Lbs. of hogs produced	12706	15153	13438	21586	18505	22775	22967	18799	19380	24852
No. of head of sheep	7.0	13.5	18.8	15.8	10.8	9.2	10.9	11.3	11.2	12.0
No. of hens	136	169	182	222	235	222	217	217	220	238

Table 31. Summary of Farm Earnings by Years, S. W. Minnesota Farm Management Service

Items	Average	Average									
	1940-44	1945-46	1947	1948	1949	1950	1951	1952	1953	1954	1955
No. of farms	165	148	137	136	131	139	122	118	153	156	146
Total farm capital	\$36133	\$36343	\$38671	\$44143	\$46452	\$50868	\$54869	\$58082	\$62148	62494	\$64512
Monthly charge for:											
Unpaid family labor	\$ 63	\$100	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130
Board to hired labor	23	28	36	36	36	36	36	36	36	36	36
<b>FARM EXPENSES</b>											
Dairy and dual-pur. cattle bought	\$120	\$178	\$135	\$170	\$214	\$321	\$252	\$264	\$158	\$ 82	\$ 98
Beef cattle bought (incl. feeders)	1405	1572	1916	2341	2733	4120	5581	4461	2841	3482	3865
Hogs bought	275	380	646	389	441	478	395	361	427	577	384
Sheep bought (incl. feeders)	596	532	301	97	365	543	881	569	766	235	483
Poultry bought (incl. turkeys)	140	180	156	133	179	164	246	122	187	233	181
Horses bought	39	14	14	11	2	6	5	4	9	7	2
Miscellaneous livestock expense	140	196	270	273	304	328	391	369	400	403	424
Miscellaneous crop expenses	402	662	1055	1112	851	966	995	1079	1496	1633	1690
Feed bought	2041	2542	4014	3926	2929	3807	4973	4318	4060	4456	4498
Custom work hired	193	296	394	421	375	382	406	439	468	497	587
Power machinery (new)	320	324	847	1173	1116	1164	1063	610	705	780	802
Power machinery (upkeep, gas, oil)	551	890	1116	1277	1233	1308	1336	1438	1552	1474	1570
Crop and general machinery (new)	335	508	897	1328	1319	1248	1121	871	779	979	719
Crop and general machinery (upkeep)	124	226	290	368	310	292	306	323	333	310	338
Livestock equipment (new)	112	88	122	108	88	124	157	124	191	225	241
Livestock equipment (upkeep)	55	93	114	131	126	125	142	121	125	161	144
Buildings and fencing (new)	341	390	754	941	908	741	1082	1023	738	821	786
Building and fencing (upkeep)	149	243	311	413	384	331	286	331	304	306	272
Hired labor	593	680	796	944	872	843	910	835	928	897	895
Taxes	330	339	378	459	499	534	565	627	685	701	724
Insurance	33	45	61	71	56	78	77	87	101	109	130
General farm	65	96	112	140	146	146	165	162	166	210	197
Total farm purchases	\$ 8359	\$10474	\$14699	\$16226	\$15450	\$18049	\$21335	\$18538	\$17419	\$18578	\$19030
Decrease in farm capital	-	-	-	-	-	-	-	-	925	-	2132
Interest on farm capital	1806	1817	1984	2207	2323	2543	2743	2904	3107	3125	3226
Unpaid family labor	310	343	422	421	356	360	367	335	339	390	355
Board furnished hired labor	142	94	116	127	102	99	79	91	100	87	95
Total farm expense	\$10617	\$12728	\$17221	\$18981	\$18231	\$21051	\$24524	\$21868	\$21890	\$22180	\$24838

Table 31. Summary of Farm Earnings by Years S. W. Minnesota Farm Management Service (Continued)

	Average 1940-44	Average 1945-46	1947	1948	1949	1950	1951	1952	1953	1954	1955
<b>FARM RECEIPTS</b>											
Dairy and dual-pur. cattle	\$ 383	\$ 494	\$ 688	\$ 616	\$ 572	\$ 904	\$ 781	\$ 765	\$ 572	\$ 453	\$ 524
Dairy products	783	994	1031	1046	874	885	1015	1124	1369	1033	1091
Beef cattle	3140	3744	4248	4508	4988	6438	9411	8115	7695	7933	7478
Hogs	3622	5325	8662	8207	6358	6801	7930	7322	7237	7983	6147
Sheep and wool	928	880	766	421	308	810	753	1057	1633	637	798
Poultry (incl. turkeys)	563	639	444	418	485	590	838	184	478	540	550
Eggs	597	985	1043	1108	1052	790	1055	875	1166	939	954
Horses	44	25	28	25	12	14	6	12	4	4	4
Corn	584	700	1183	1498	1606	1542	997	1245	2742	2749	3697
Small grain	1031	1198	2436	3818	1626	1694	1240	1217	1153	876	920
Other crops	400	776	911	1160	772	677	901	981	1102	1454	1850
Machinery and equipment sold	196	307	383	355	470	446	644	378	170	195	222
Agric. adjustment payment	370	86	61	65	29	57	72	70	65	54	26
Income work off the farm	174	319	344	306	277	290	398	341	346	371	377
Miscellaneous	224	58	83	124	66	112	130	154	88	204	252
Total farm sales	\$13039	\$16530	\$22311	\$23675	\$19495	\$22050	\$26171	\$23840	\$25820	\$25425	\$24890
Increase in farm capital	1098	1769	5634	1542	1260	5214	2561	1216	-	1158	-
Family living from farm	553	657	667	702	649	669	708	748	344	296	271
Total farm receipts	\$14690	\$18956	\$28612	\$25919	\$21404	\$27933	\$29440	\$25804	\$26164	\$26879	\$25161
Total farm expenses	10617	12728	17221	18981	18231	21051	24524	21868	21890	22180	24838
Labor earnings	4073	6228	11391	6938	3173	6882	4916	3936	4274	4699	323
Net cash income	4680	6056	7612	3267	4045	4007	4836	5302	8401	6947	5860
<b>ACRES PER FARM</b>											
Crop acres per farm	283	264	243	250	249	257	256	260	283	270	272
<b>YIELDS PER ACRE</b>											
Flax, bu.	10.5	13.6	13.4	15.2	12.9	15.1	9.8	13.8	9.2	9.7	15.9
Barley, bu.	25.1	38.8	28.9	39.3	24.4	38.0	23.2	28.9	22.4	32.7	34.5
Oats, bu.	40.4	47.0	42.0	53.0	42.7	47.0	47.7	44.0	27.7	40.8	55.1
Corn, grain bu.	49.7	43.3	40.4	63.1	49.1	44.9	38.3	58.9	59.9	66.7	51.5
Corn silage, ton	8.9	8.0	6.9	10.1	9.2	8.7	7.5	9.5	9.7	10.4	8.8
Alfalfa hay, ton	2.2	2.1	2.2	2.1	2.0	2.0	2.5	2.6	2.9	2.6	2.2
<b>MISC. LIVESTOCK INFORMATION</b>											
No. dairy or dual purpose cows	8.1	5.9	5.2	4.8	4.6	4.6	4.5	4.5	5.3	4.7	4.6
Head in beef breeding herd	10.5	10.8	8.0	9.0	8.3	8.0	8.9	11.6	13.4	13.4	11.7
Lbs. feeder cattle produced	9336	6889	5717	7117	6768	8699	10852	12152	14674	14309	18423
Litters of pigs	18.5	18.8	19.5	20.2	20.3	22.7	23.4	21.5	17.7	23.2	25.2
Lbs. of hogs produced	30411	34259	34163	35651	33129	37633	39702	38436	31283	39269	42517
No. of hens	197	212	200	200	185	186	180	179	187	204	182