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FIRST ANNUAL REPORT
NORTHEASTERN MINNESOTA FARM MANAGEMENT SERVICE

for the year 1955

Agricultural Extension Division
and
Department of Agricultural Economics
UNIVERSITY OF MINNESOTA

and

Vocational Division
MINNESOTA DEPARTMENT OF EDUCATION

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First Annual Report of the Northeastern Minnesota Farm Management Project

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INTRODUCTION

A project was started in northeastern Minnesota in 1954 by the Agricultural Extension Service with the object of obtaining a few examples of well-operated farms to use for teaching purposes. The farms were chosen as fairly representative of the size and conditions of farming in this area, and were restricted to those which appear to need some reorganization in order to make substantial financial progress. With the help of the county agents, farms were chosen in the counties of Aitkin, Beltrami, Carlton, Itasca, Pine, and St. Louis. Ermond Hartmans, farm management specialist of the University of Minnesota, supervised the financial records on eighteen farms during 1954 and sixteen farms during 1955. In addition to this he assisted these farmers in planning the management of their farms.

In the same area another eight records were supervised during 1955 by three vocational agriculture teachers--Charles Scott of Bertha Public Schools, Elmer M. Fragodt of Clarissa Public Schools and William E. Guelker of Staples Public Schools. As the method of compiling these two groups of records was similar and the type of farming comparable, the 24 farms were combined for presentation in this report by the Department of Agricultural Economics.

The records constitute the only recent information available on the financial condition of farmers in this area. A comparison of the results of fifteen of these farms for which records were obtained in both years shows an average increase in labor earnings of \$350 per farm from 1954 to 1955. This occurred at a time when records from farms in southern Minnesota showed a considerable decrease.

The results of each farm are given in the following tables with the intention of showing up the various factors affecting farm incomes of individual farms, the effects of which are often hidden by averages. In most tables the farms are arranged in descending order of labor earnings, or according to some other important factor such as return to capital and family labor or butterfat production.

The capital investment of these small farms is surprisingly large--approximately \$20,000 per farm. At the end of 1955 the investment in livestock was over \$4,600 and in machinery and equipment over \$4,400. Land was valued at \$5,200 and buildings at \$4,200. In the area studied an investment of this size enables a farmer who meets present day standards in farm organization and operation to make a reasonable income.

One of the most significant items in the following tables is the level of farm expenses. Average total cash expenses were over \$5,500 and the lowest incurred by any farmer was \$1,200. In 1955 eleven of these 24 farmers did not obtain sufficient farm income to cover expenses and, in addition, the family living had to be financed from outside employment, or by drawing on accumulated capital, thus reducing the farmer's net worth. The average personal expenses were \$2,200 per family.

A number of farmers were doing considerable work in addition to that on their own farms. Seven earned over \$200 in 1955 doing work on other farms, and the records available show that at least five farmers earned more than \$1,000 per year in work not connected with farming. Those who do considerable work off the farm have, in general, lower farm incomes.

What size of farm business is required to meet these high farm expenses and also leave a fair living for the family without the farmer doing any outside work? For the average farm with present expenses of \$5,500 perhaps a gross cash income of \$10,000 would be a good figure to aim at. The following factors may help to achieve this.

1) Adequate size of herd and production per cow--most of these farmers depend primarily on dairying for their income so the size and production of the dairy herd are the main factors affecting the level of income. To obtain \$10,000 gross would require 29 cows with a butterfat production of 300 pounds per cow. This is allowing a price of \$1 per pound for butterfat and an additional income of \$40 per milk cow from the sale of calves, cull cows, etc. If butterfat production was 350 pounds per cow only 26 cows would be required. This is considerably above the present number of 19 cows per farm and an increase would, of course, entail additional expenses but should leave a fair margin for family living.

From 1954 to 1955 the 14 farms with dairy herds raised their average number of dairy cows from $15\frac{1}{2}$ to $18\frac{1}{2}$ with a similar increase in numbers of young stock. Also butterfat production per cow was increased from 258 to 296 pounds.

Examining the results for all 24 farms in 1955 the high income farms did not appear to have more dairy cows, but they did show higher butterfat production per cow. The eight farms with the highest labor earnings had an average production of 287 pounds per cow compared with 253 pounds for the eight farms with lowest earnings. Some farmers had large herds and high production per cow but were still not making a reasonable income due to poor management and high costs, or to unfavorable production conditions.

2) High crop yields--the average yield index was greater on the eight higher earning farms, being 107 compared with 93 for the eight lowest earning farms. Farms with low yields had to have more acres to produce the same volume of crop production. This involved higher costs per unit of production.

3) High labor efficiency--the number of work units per worker is a measure of labor efficiency - a work unit being the average accomplishment of a farm worker in a ten-hour day (see page 30). The average for these 24 farms was 220 work units per worker compared with the average of 247 for farmers on larger farms in the Southeastern and Southwestern Minnesota Farm Management Associations in 1955.

Some of these northern farmers could do a great deal to increase returns without any large capital expenditure by concentrating on increased production per cow. However, this will not ensure a good return unless it can be achieved at reasonable cost. Increased crop yields and good pasture management would help to reduce the amount of purchased feed required which in 1955 cost nearly \$900 per farm. This should be the first step even before attempting to increase the number of cows.

Table 1. Summary of Farm Inventories 1955*
January 1

Items	Ave. of 24 farms	Farm Number											
		1	29	10	3	23	6	22	28	17	24	5	5
Size of farm (acres)	292	260	360	360	160	120	174	160	400	118	160	195	195
Size of business (work units)**	316	387	453	261	295	260	318	391	342	265	394	218	218
Dairy and dual purpose cattle	\$ 2,549	\$ 4310	\$1675	\$2250	\$3750	\$1950	\$ 3855	\$ 2560	\$ 2750	\$ 2915	\$ 3005	\$ 1464	\$ 1464
Other livestock	1,637	1790	750	2360	1513	1177	785	1315	1705	1115	1241	328	328
Horses	18	-	-	-	-	-	-	-	-	-	-	124	124
Crop, seed and feed	1,743	2073	1541	1623	691	1014	969	1895	1167	1140	3437	804	804
Auto (farm share)	858	1037	646	36	983	840	953	619	756	2145	1088	102	102
Tractors	1,048	1140	1450	281	1080	760	707	1423	1807	1637	989	460	460
Crop and general machinery	2,284	3517	3985	1335	974	920	1147	1575	1765	3178	822	446	446
Livestock equipment & supplies	363	285	342	496	71	240	428	100	309	1463	483	161	161
Land	5,250	8600	9840	4400	3400	1900	3500	5584	1815	2200	4000	1500	1500
Buildings, fences, etc.	4,118	2678	4167	2080	4044	4556	2676	5419	1510	3847	7706	1940	1940
Total farm capital	19,868	25430	24396	14861	16506	13357	15020	20490	13584	19640	22946	7329	7329

Items	9	Farm Number											
		2	25	16	11	19	8	18	20	13	14	15	21
Size of farm (acres)	180	205	203	173	120	1030	265	385	316	390	520	450	300
Size of business (work units)**	255	319	352	69	135	180	296	414	481	425	267	352	456
Dairy and dual purpose cattle	\$ 988	\$3335	\$1259	\$ -	\$ 755	\$ -	\$5080	\$4292	\$2790	\$4385	\$2000	\$2940	\$2962
Other livestock	2684	675	1096	310	861	6092	1355	340	2405	2385	3295	1900	1810
Horses	-	-	-	-	-	100	-	-	-	-	-	22	11
Crop, seed and feed	1327	1851	1589	948	477	1679	1145	1280	8504	1715	1539	960	2459
Auto (farm share)	800	525	180	600	524	473	1673	2256	815	557	665	947	1366
Tractors	999	2553	441	444	372	1124	1533	633	2391	1994	203	609	128
Crop and general machinery	776	1756	1067	3074	579	2788	1600	4042	7780	3720	2707	3230	2024
Livestock equipment and supplies	50	746	331	-	20	-	4	1625	337	262	196	673	88
Land	2800	3800	6015	3000	2950	4300	6598	10810	8300	4000	5000	6500	15200
Buildings, fences, etc.	3002	7091	4169	2981	1526	8320	2937	4886	5274	9613	1876	5717	813
Total farm capital	13426	22332	16147	11357	8064	24876	21925	30164	38506	28631	17481	23498	26861

Table 1. Summary of Farm Inventories 1955* (continued)
December 31

Items	Ave. of 24 farms													
	1	29	10	3	23	6	22	23	17	24	5			
Dairy and dual-purpose cattle	\$ 2,940	\$4815	\$1880	\$3025	\$4000	\$1950	\$3834	\$2517	\$2625	\$3465	\$3410	\$1339		
Other livestock	1,710	2020	1163	2342	1797	1525	430	1726	2090	1050	1445	224		
Horses	21	-	-	-	-	-	-	-	-	-	272	114		
Crop, seed and feed	1,874	2078	2119	3585	936	1548	1635	1547	932	1280	1799	801		
Auto (farm share)	868	1650	498	-	874	735	572	1028	570	1788	827	76		
Tractors	973	895	1666	258	945	570	442	1246	1438	1388	818	412		
Crop and general machinery	2,238	3032	5942	768	785	770	989	1401	1742	3922	775	437		
Livestock equip. and supplies	341	244	284	513	46	222	405	187	275	1196	416	139		
Land	5,250	8600	9840	4400	3400	1900	3500	5584	1815	2200	4000	1500		
Buildings, fences, etc.	4,191	2427	5794	2121	4402	4817	2595	5296	1395	4135	7282	1880		
Total farm capital	20,406	25761	29186	17017	17185	14037	14402	20532	12882	20424	21044	6922		

Items	Farm Number													
	9	2	25	16	11	19	8	18	20	13	14	15	21	
Dairy and dual-purpose cattle	\$2057	\$2945	\$1323	\$ -	\$1025	\$1800	\$5080	\$7580	\$3450	\$4690	\$1900	\$3525	\$2318	
Other livestock	1840	915	1601	319	724	7291	260	1415	3691	1385	2691	1355	1745	
Horses	-	-	-	-	-	100	-	-	-	-	-	-	6	
Crop, seed and feed	782	1683	1945	2085	610	1487	1412	912	9037	1438	1650	1380	2288	
Auto (farm share)	787	450	140	508	464	300	1450	2034	2086	818	506	1500	1156	
Tractors	832	2187	378	593	476	1853	1314	1384	1901	1640	154	391	191	
Crop and general machinery	665	1452	941	3168	504	2305	1717	3653	8333	2434	2220	3982	1777	
Livestock equip. and supplies	215	540	301	-	16	30	3	1950	251	235	256	384	69	
Land	2800	3800	6015	3000	2950	4300	6598	10810	8300	4000	5000	6500	15200	
Buildings, fences, etc.	4558	6391	4031	2768	1528	7955	2425	5380	5260	9046	2765	5572	752	
Total farm capital	14536	20363	16675	12441	8297	27421	20259	35118	42309	25686	17142	24589	25502	

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

**See page 30 for an explanation of work units.

Table 2. Summary of Farm Earnings (Cash Statement), 1955

Items	Ave. of 24 farms	Farm Number	
		1	29
<u>FARM RECEIPTS</u>			
1. Dairy cattle	\$ 640	\$ 1258	\$ 425
2. Dairy products	1396	8468	5843
3. Feeder cattle	403	-	-
4. Hogs	192	-	-
5. Sheep and wool	177	-	-
6. Poultry	23	-	-
7. Eggs	116	-	-
8. Crops	284	35	2579
9. Machinery and equipment sold	102	80	147
10. Income from work off the farm	259	119	97
11. Conservation payments	45	258	68
12. Miscellaneous	92	33	513
13. Total farm sales	\$ 6729	\$10251	\$ 9703
14. Increase in farm capital	538	331	4790
15. Family living from the farm	244	338	284
16. Total farm receipts	\$ 7511	\$10920	\$14777
<u>FARM EXPENSES</u>			
17. Dairy and dual purpose cattle bought	\$ 386	-	-
18. Feeder cattle bought	255	-	-
19. Hogs bought	22	-	-
20. Sheep bought	4	-	-
21. Poultry bought	15	-	-
22. Misc. livestock expenses	256	\$ 350	\$ 32
23. Feed bought	873	1215	314
24. Fertilizers	229	522	649
25. Other crop expenses	210	382	956
26. Custom work hired	377	835	419
27. Gas, oil and grease bought (farm share)	493	473	343
28. Rep. for tractors, trucks, autos (f. share)	257	73	954
29. Repair and upkeep of farm real estate	74	31	213
30. Repair and upkeep of crop and gen. mach.	114	52	-
31. Repair and upkeep of livestock equipment	49	66	218
32. Wages of hired labor	234	-	118
33. Electricity expense (farm share)	157	-	74
34. Real estate taxes	211	183	278
35. Personal property taxes	86	138	392
36. Insurance	46	134	91
37. Telephone and general farm expense	87	6	65
38. Total cash operating expense	\$ 4435	\$ 54	\$ 72
39. Mechanical power bought (farm share)	355	\$ 4514	\$ 5188
40. Crop and general machinery bought	395	727	460
41. Livestock equipment bought	47	-	2500
42. New real estate improvements	321	-	-
43. Total farm purchases	\$ 5553	\$ 5241	\$ 1769
44. Decrease in farm capital	-	-	9917
45. Interest on farm capital	1010	-	-
46. Unpaid family labor	474	1280	1340
47. Board furnished hired labor	60	750	1000
48. Total farm expenses	\$ 7097	\$ 7271	\$12437
49. Labor earnings	\$+ 414	\$+3649	\$+2340
net cash income	1176		
20 exp. are of gross cash income	82.5%		

Table 2. Summary of Farm Earnings (Cash Statement), 1955 (Continued)

	Farm Number								
	10	3	23	6	22	28	17	24	5
1.	\$ 586	\$ 600	\$ 147	\$ 783	\$ 778	\$1,153	\$ 482	\$ 728	\$ 124
2.	3,086	5,805	2,975	4,621	4,757	3,342	7,313	7,213	2,010
3.	-	-	-	-	-	-	-	-	-
4.	-	-	937	-	98	-	-	99	-
5.	565	-	-	-	-	-	-	-	-
6.	-	-	47	-	-	-	-	37	37
7.	-	109	377	-	-	-	-	489	-
8.	439	114	-	294	218	-	-	342	28
9.	-	37	15	25	50	207	-	60	28
10.	270	595	236	-	3	-	292	73	221
11.	74	29	-	-	-	-	-	28	-
12.	5	86	-	188	26	82	-	369	7
13.	5,025	7,375	5,034	5,911	5,930	4,784	8,087	9,438	2,455
14.	2,156	679	680	-	42	-	784	-	-
15.	248	285	345	196	236	403	75	257	152
16.	7,429	8,339	6,059	6,107	6,208	5,187	8,946	9,695	2,607
17.	450	-	-	30	-	-	-	-	14
18.	-	-	-	-	-	-	-	-	-
19.	6	-	20	-	195	-	-	204	-
20.	100	-	-	-	-	-	-	-	-
21.	-	20	32	-	3	-	-	83	6
22.	118	281	92	32	234	232	307	289	105
23.	564	716	904	612	434	568	2,010	669	312
24.	119	312	115	67	160	75	-	116	44
25.	104	161	182	242	74	58	90	173	31
26.	404	901	520	611	250	127	28	389	172
27.	292	399	238	340	288	294	597	405	193
28.	86	211	217	144	318	132	378	368	57
29.	100	86	-	75	84	23	454	140	1
30.	40	54	120	-	225	90	175	194	12
31.	175	66	8	-	45	11	43	94	8
32.	82	64	33	316	40	62	287	1,643	-
33.	169	216	90	78	99	127	255	171	39
34.	191	108	183	210	378	123	36	351	80
35.	89	49	59	71	58	155	26	149	47
36.	23	90	52	47	42	25	20	120	-
37.	60	49	40	33	92	10	85	26	32
38.	3,172	3,783	2,905	2,908	3,019	2,112	4,791	5,584	1,153
39.	50	-	-	-	635	-	52	-	-
40.	100	399	-	-	33	307	1,427	119	43
41.	133	-	-	-	113	-	-	-	-
42.	394	501	480	-	-	-	444	-	-
43.	3,849	4,683	3,385	2,908	3,800	2,419	6,714	5,703	1,196
44.	-	-	-	618	-	702	-	1,902	407
45.	875	842	685	736	1,025	662	1,002	1,100	356
46.	500	750	100	-	-	435	450	125	375
47.	16	12	-	-	-	-	-	420	-
48.	5,240	6,287	4,170	4,262	4,825	4,218	8,166	9,250	2,334
49.	+2,189	+2,052	+1,889	+1,845	+1,383	+969	+780	+445	+273

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Table 2. Summary of Farm Earnings (Cash Statement) 1955 (Continued)

Items	Farm Number			
	9	2	25	16
<u>FARM RECEIPTS</u>				
1. Dairy Cattle	\$ 119	\$ 530	\$ 840	\$ -
2. Dairy products	2,203	6,121	2,534	-
3. Feeder cattle	-	-	-	-
4. Hogs	75	-	255	-
5. Sheep and wool	2,526	-	-	519
6. Poultry	-	-	228	-
7. Eggs	-	-	1,266	-
8. Crops	97	241	364	1,505
9. Machinery and equipment sold	84	88	28	118
10. Income from work off the farm	586	155	-	-
11. Conservation payments	123	-	-	63
12. Miscellaneous	3	177	-	119
13. Total farm sales	5,816	7,312	5,515	2,324
14. Increase in farm capital	1,110	-	528	1,084
15. Family living from the farm	295	143	269	129
16. Total farm receipts	7,221	7,455	6,312	3,537
<u>FARM EXPENSES</u>				
17. Dairy and dual purpose cattle bought	610	260	-	-
18. Feeder cattle bought	-	-	-	-
19. Hogs bought	15	-	-	20
20. Sheep bought	-	-	-	-
21. Poultry bought	-	-	129	3
22. Misc. livestock expenses	186	465	119	94
23. Feed bought	783	789	501	78
24. Fertilizers	194	-	87	188
25. Other crop expenses	215	259	74	380
26. Custom work hired	734	307	512	68
27. Gas, oil and grease bought (farm share)	434	610	377	424
28. Rep. for tractors, trucks, autos (f. share)	116	218	231	319
29. Repair & upkeep of farm real estate	11	96	231	7
30. Repair & upkeep of crop & gen. mach.	3	85	22	77
31. Repair and upkeep of livestock equip.	-	33	7	-
32. Wages of hired labor	-	92	-	-
33. Electricity expense	52	148	87	148
34. Real estate taxes	57	91	340	45
35. Personal property taxes	69	64	98	-
36. Insurance	80	127	70	-
37. Telephone and general farm expense	26	30	23	164
38. Total cash operating expense	3,585	3,674	2,908	2,015
39. Mechanical power bought (farm share)	195	-	-	508
40. Crop and general machinery bought	-	-	-	470
41. Livestock equipment bought	237	-	-	-
42. New real estate improvements	1,700	-	-	-
43. Total farm purchases	5,717	3,674	2,908	2,993
44. Decrease in farm capital	-	1,969	-	-
45. Interest on farm capital	699	1,067	820	595
46. Unpaid family labor	625	625	2,625	-
47. Board furnished hired labor	-	-	-	-
48. Total farm expenses	7,041	7,335	6,353	3,588
49. Labor earnings	+180	+120	-41	-51

Table 2. Summary of Farm Earnings (Cash Statement) 1955 (Continued)

	Farm Number								
	11	19	8	18	20	13	14	15	21
1.	\$ 105	\$ 28	\$1,860	\$ 1,128	\$ 442	\$ 1,062	\$ 339	\$ 373	\$ 862
2.	2,160	35	3,190	9,483	2,481	7,868	2,047	7,374	4,573
3.	-	9,680	-	-	-	-	-	-	-
4.	-	-	685	-	801	-	-	-	1,648
5.	-	-	-	-	-	-	635	-	-
6.	176	33	-	-	-	-	-	-	-
7.	16	502	-	-	-	-	-	-	-
8.	-	300	-	-	-	-	-	-	-
9.	21	15	77	65	79	31	157	-	69
10.	-	122	-	-	3,343	68	35	74	73
11.	12	20	56	14	129	52	18	-	12
12.	6	-	-	50	235	187	4	157	-
13.	2,796	10,735	5,868	10,740	7,510	10,314	26	86	-
14.	233	2,545	-	4,954	3,803	-	3,261	8,064	7,237
15.	189	165	196	393	248	-	-	1,091	-
16.	3,218	13,445	6,064	16,087	11,561	10,654	202	222	255
							3,463	9,377	7,492
17.	280	2,130	-	4,855	-	-	-	570	80
18.	-	6,112	-	-	-	-	-	-	-
19.	-	-	-	-	67	-	-	-	-
20.	-	-	-	-	-	-	-	-	-
21.	19	24	-	-	-	-	-	-	-
22.	157	244	24	739	169	458	230	618	276
23.	560	542	410	2,582	743	1,868	375	1,485	1,592
24.	204	124	168	134	756	473	81	370	228
25.	50	163	336	202	338	138	43	619	312
26.	285	150	67	278	231	554	237	700	343
27.	273	297	443	959	1,232	601	368	688	645
28.	197	55	227	546	424	387	227	277	741
29.	37	45	39	90	20	76	-	97	46
30.	22	88	55	116	340	177	57	109	422
31.	17	4	23	138	46	64	74	66	65
32.	157	4	161	379	398	688	76	881	186
33.	116	58	125	269	183	304	149	210	218
34.	116	507	250	96	362	250	136	177	441
35.	65	146	139	42	139	144	103	55	74
36.	120	44	35	-	135	-	-	-	-
37.	29	25	214	148	71	181	202	355	58
38.	2,704	10,762	2,716	11,573	5,654	6,363	2,358	7,277	5,727
39.	185	1,250	-	1,295	1,645	400	-	1,125	-
40.	-	55	275	622	1,815	250	-	976	85
41.	-	33	-	589	-	-	-	-	20
42.	80	75	-	833	240	-	1,185	-	-
43.	2,969	12,175	2,991	14,912	9,354	7,013	3,543	9,378	5,832
44.	-	-	1,666	-	-	2,945	339	-	1,359
45.	409	1,307	1,055	1,632	2,020	1,358	866	1,202	1,309
46.	-	312	875	63	750	225	40	-	750
47.	-	-	-	35	90	150	-	525	-
48.	3,378	13,794	6,587	16,642	12,214	11,691	4,788	11,105	9,250
49.	-160	-349	-523	-555	-653	-1,037	-1,325	-1,728	-1,758

Table 3. Summary of Farm Earnings (Enterprise statement) 1955*

Items	Ave. of										Farm Number									
	24 Farms										1	29	10	3	23	6	22	28	17	24
RETURNS AND NET INCREASES																				
Dairy & dual-purpose cows	\$4,426	\$8,910	\$6,105	\$2,917	\$5,592	\$3,075	\$4,473	\$4,686	\$3,915	\$7,213	\$7,316	\$2,105								
Other dairy & dual-pur. cattle	988	2,088	986	958	1,598	854	883	1,063	1,424	1,142	1,011	-65								
Feeder cattle	183	-	-	-	-	-	-	-	-	-	-	-								
Hogs	220	-	-	-6	-	1,142	-	280	-	-	382	-								
Sheep-farm flock	110	-	-	817	-	-	-	-	-	-	-	-								
Chickens	172	-	115	-	212	488	-	11	-	-	592	-86								
All productive livestock	6,099	10,998	7,206	4,686	7,402	5,559	5,356	6,040	5,339	8,355	9,301	2,126								
Value of feed fed	3,446	4,224	3,529	2,947	2,675	3,024	3,076	3,614	3,056	3,610	3,832	874								
Livestock return over feed	2,653	6,774	3,677	1,739	4,727	2,535	2,280	2,426	2,283	4,745	5,469	1,252								
Crops, seed and feed	2,442	1,947	4,624	4,560	1,757	2,221	2,953	2,816	1,939	1,650	1,603	497								
Income from labor off farm	140	119	64	270	595	236	-	1	-	166	73	221								
Miscellaneous	136	291	581	79	115	-	188	26	82	-	397	7								
Tot. returns & net increases	5,371	9,131	8,946	6,648	7,194	4,992	5,421	5,269	4,304	6,561	7,542	1,977								
EXPENSES AND NET DECREASES																				
Horses	16	-	-	-	-	-	-	-	-	-	81	47								
Truck & auto (farm share)	512	307	460	121	460	258	479	442	372	776	568	90								
Tractor	526	518	882	298	357	477	626	457	402	812	569	200								
Elec. & gas eng. exp. (f. share)	172	183	332	181	216	90	78	159	127	258	180	44								
Hired power	206	426	206	216	539	294	264	104	76	17	145	103								
Total power	1,432	1,434	1,890	816	1,572	1,119	1,447	1,162	977	1,863	1,543	484								
Crop and general machinery	487	645	744	800	721	345	303	501	420	774	487	65								
Livestock equipment	115	107	176	287	91	26	23	70	45	310	162	31								
Buildings, fences, etc.	322	282	142	452	228	219	156	207	138	610	564	60								
Misc. prod. livestock exp.	256	350	314	118	281	92	32	234	232	307	289	105								
Labor	905	1,052	1,390	748	1,111	283	518	117	548	748	2,306	444								
Pers. prop. & real est. taxes	297	272	483	280	157	242	281	436	278	62	500	127								
General farm & insurance	133	60	137	83	139	92	80	134	35	105	146	32								
Interest on farm capital	1,010	1,280	1,340	875	842	685	736	1,025	662	1,002	1,100	356								
Total exp. & net decreases	4,956	5,482	6,606	4,459	5,142	3,103	3,576	3,886	3,335	5,781	7,097	1,704								
Labor earnings	+414	+3,649	+2,340	+2,189	+2,052	+1,889	+1,845	+1,383	+969	+780	+445	+273								

Table 3. Summary of Farm Earnings (Enterprise statement) 1955* (Continued)

Items	Farm Number												
	9	2	25	16	11	19	8	18	20	13	14	15	21
RETURNS AND NET INCREASES													
Dairy & dual-purpose cows	\$2,618	\$5,860	\$3,657	\$ -	\$2322	\$ 41	\$3,298	\$9,048	\$2,703	\$7,139	\$2,008	\$6,730	\$4,503
Other dairy & dual-pur. cattle	1,234	787	1,084	-	431	96	880	1,463	2,312	1,436	639	720	689
Feeder cattle	-	-	-	-	-	4389	-	-	-	-	-	-	-
Hogs	60	-	334	2	-	-	571	-	1,053	-	-	-	1,454
Sheep - farm flock	1,304	-	-	528	-	-	-	-	-	-	1	-	-
Chickens	-	-	1,580	103	206	650	87	-	-	-	-	-	-
All productive livestock	5,216	6,647	6,655	633	2959	5176	4,836	10,511	6,068	8,575	2,648	7,450	6,646
Value of feed fed	3,227	4,042	4,165	505	1746	2486	1,850	6,651	3,958	6,337	3,417	3,365	6,507
Livestock return over feed	1,989	2,605	2,490	128	1213	2690	2,986	3,860	2,110	2,238	-769	4,085	139
Crops, seed and feed	1,190	2,803	3,535	2502	886	1879	1,202	3,365	2,526	3,612	3,056	1,300	4,175
Income from labor off farm	586	73	-	-	-	40	-	-	836	68	18	-	3
Miscellaneous	126	177	-	182	18	20	56	64	364	239	30	228	-
Total returns & net increases	3,891	5,658	6,025	2812	2117	4629	4,244	7,289	5,836	6,157	2,335	5,613	4,317
EXPENSES AND NET DECREASES													
Horses	-	-	136	-	-	115	-	-	-	-	-	7	4
Truck and auto (farm share)	434	375	260	644	366	297	512	1,693	543	671	423	1,067	664
Tractor	468	787	420	507	223	688	522	502	500	727	339	546	793
Elec. & gas eng. exp. (f. share)	52	156	90	148	116	59	124	279	308	314	155	273	218
Hired power	440	117	270	16	171	90	40	167	138	332	142	420	206
Total power	1,394	1,435	1,176	1315	876	1249	1,198	2,641	1,489	2,044	1,059	2,313	1,885
Crop and general machinery	114	413	197	402	98	589	212	1,127	368	739	544	339	748
Livestock equipment	12	239	37	-	21	6	25	402	132	92	14	355	104
Buildings, fences, etc.	155	796	369	220	115	485	552	429	273	643	296	241	107
Misc. prod. livestock exp.	186	465	119	94	157	244	24	739	169	458	230	618	276
Labor	919	811	2,817	28	271	376	1,063	588	1,331	1,285	210	1,686	1,073
Pers. prop. & real est. taxes	126	155	438	45	181	653	389	138	501	394	239	232	515
General farm and insurance	106	157	93	164	149	69	249	148	206	181	202	355	58
Interest on farm capital	699	1,057	820	595	409	1307	1,055	1,632	2,020	1,358	866	1,202	1,309
Total expenses & net decreases	3,711	5,538	6,066	2863	2277	4978	4,767	7,844	6,489	7,194	3,660	7,341	6,075

Labor earnings

* 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 pages 5 to 8.

	+180	+120	-41	-51	-160	-349	-523	-555	-653	-1,037	-1,325	-1,728	-1,758
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Table 4. Summary of Farm Earnings by Tenure (Operator's share) 1955 (Continued)

Items	Twelve part owners and renters											
	Ave.	1	10	28	6	20	9	5	19	16	21	15
FARM RECEIPTS												
Dairy & dual-purpose cattle	\$ 474	\$1,258	\$ 586	\$1,153	\$ 783	\$ 442	\$ 119	\$ 49	\$ 28	\$ -	\$ 122	\$ 373
Dairy products	3,389	8,468	3,086	3,342	4,621	2,481	2,203	2,010	35	-	2,286	7,374
Other livestock & products	1,305	-	565	-	-	801	2,601	37	10,215	519	824	-
Crops	218	35	439	-	-	-	97	28	300	1,505	-	-
Income from work off the farm	390	119	270	-	-	-	586	221	122	-	12	-
Miscellaneous	200	371	79	289	213	3,343	210	35	35	300	37	317
1. Total farm sales	5,976	10,251	5,025	4,784	5,617	7,510	5,816	2,380	10,735	2,324	3,281	8,064
2. Increase in farm capital	1,555	331	2,156	-	-	10,303	1,110	-	2,545	1,084	-	1,091
3. Family living from farm	230	338	248	403	196	248	295	152	165	129	127	222
4. Total farm rec. (1) to (3)	7,761	10,920	7,429	5,187	5,813	18,061	7,221	2,532	13,445	3,537	3,408	9,377
FARM EXPENSES												
Dairy & dual-pur. cattle bought	320	-	450	-	30	-	610	14	2,130	-	40	570
Other livestock bought	546	-	106	-	-	67	15	6	6,136	23	-	-
Misc. livestock expenses	210	350	118	232	32	169	186	105	244	94	138	618
Feed bought	678	1,215	564	568	612	743	783	312	542	78	796	1,485
Fertilizers & other crop exp.	461	904	223	133	309	1,094	409	75	287	568	304	989
Custom work hired	368	835	404	127	611	231	734	172	150	68	139	700
Gas, oil and elect. exp.	567	656	461	421	418	1,415	486	232	355	572	504	898
Pow., mach. & equip. rep.	386	191	301	233	144	810	119	77	147	396	1,177	452
Building repair	41	31	100	23	75	20	11	1	45	7	-	97
Wages of hired labor	283	-	82	62	580	398	-	-	4	558	186	1,481
Real est. & pers. prop. taxes	256	262	270	268	266	501	116	47	638	32	30	202
Cash rent	44	30	80	11	-	-	-	275	25	100	5	-
Insurance & general farm exp.	114	60	83	35	80	206	106	32	69	164	45	355
Interest paid	232	330	78	-	327	521	-	-	756	167	150	346
Total cash operating expenses	4,506	4,864	3,320	2,113	3,484	6,175	3,575	1,348	11,528	2,827	3,514	8,193
Pow., mach. & equipment bought	879	727	283	307	-	3,461	432	43	1,338	978	95	2,101
New real estate improvements	1,075	-	394	-	-	6,739	1,700	-	75	-	-	-
5. Total farm purchases	6,460	5,591	3,997	2,420	3,484	16,375	5,707	1,391	12,941	3,805	3,609	10,294
6. Decrease in farm capital	189	-	-	702	618	-	-	312	-	-	637	-
7. Interest on farm capital	659	920	797	662	409	1,499	699	168	551	378	151	856
8. Unpaid family labor	354	750	500	435	-	750	750	375	312	125	-	250
9. Board furnished hired lab.	52	-	16	-	-	90	-	-	-	-	-	-
10. Total farm exp. (5) to (9)	7,714	7,261	5,310	4,219	4,511	18,714	7,156	2,246	13,804	4,308	4,397	11,925
11. Labor earnings (4)-(10)	47	3,659	2,119	968	1,302	-652	65	286	-359	-771	-989	-2,548
Ret. to cap. & fam. labor	1,060	5,329	3,416	2,065	1,711	1,596	1,514	829	504	-268	-838	-1,442
(7) + (8) + (11)												-1,701

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

	Owners							Part-owners and renters						
	29	23	24	2	11	8	13	28	5	9	16	19	20	
Total acres in farm	360	120	160	205	120	265	390	400	195	180	173	1030	316	
Total acres owned	360	120	160	205	120	265	390	360	0	160	160	993	236	
January 1														
Farm Capital	\$24396	\$13357	\$22946	\$22332	\$ 8064	\$21925	\$28631	\$13384	\$ 3516	\$12626	\$10357	\$24176	\$32006	
Cash on hand	165	435	319	89	-	-	93	-	201	-	600	518	210	
Household goods & clothing	1975	400	-	800	700	1700	1250	700	800	1000	3000	2000	2150	
Pers. share of auto	131	280	867	300	524	385	273	201	130	200	600	97	204	
Farm dwelling	7084	1500	2200	2050	1800	-	2948	560	-	2215	-	1680	-	
Other non-farm assets	350	385	475	1841	1380	321	1145	1234	125	156	400	2850	1500	
Total non-farm assets	9705	3000	3861	5080	4404	2405	5709	2695	1256	3571	4600	7145	4064	
Total assets	34101	16357	26807	27412	12468	24331	34340	16079	4772	16197	14957	31321	36070	
Real estate mortgages	2524	-	-	4040	4500	2500	3920	-	-	-	2946	8800	2500	
Chattel mortgages	1900	-	1200	1350	1100	2500	3900	-	-	-	-	7350	5686	
Notes payable	1150	-	400	1800	1036	-	2500	-	-	-	200	-	3500	
Accounts payable	-	-	-	305	-	373	834	-	300	264	118	-	-	
Total liabilities	5574	-	1600	7495	6636	5378	11154	-	300	264	3264	16150	11686	
Net worth	28527	16357	25207	19917	5832	18953	23186	16079	4472	15933	11693	15171	24384	
December 31														
Farm Capital	\$29186	\$14037	\$21044	\$20363	\$ 8297	\$20259	\$25686	\$12682	\$ 3203	\$13736	\$11441	\$26720	\$42309	
Cash on hand	337	350	340	21	415	600	275	-	556	150	500	179	900	
Household goods & clothing	2000	500	-	800	700	1800	1250	700	950	1000	3000	1850	2150	
Pers. share of auto	98	245	730	250	464	330	234	154	110	148	440	80	521	
Farm dwelling	6896	1400	2000	1900	1750	-	2875	520	-	2238	-	1600	-	
Other non-farm assets	388	395	518	1990	1390	380	1169	1438	-	163	169	2870	1878	
Total non-farm assets	9719	2890	3588	4961	4719	3110	5803	2812	1616	3699	4109	6579	5449	
Total assets	38905	16927	24632	25324	13016	23369	31489	15494	4819	17435	15550	33299	47758	
Real estate mortgages	8190	-	-	3461	4500	2260	3640	-	-	-	2485	8066	8300	
Chattel mortgages	500	-	850	850	872	1104	4000	-	-	-	-	9000	5686	
Notes payable	1700	-	-	2280	634	-	2500	-	-	-	300	-	4200	
Accounts payable	737	-	-	416	-	316	577	-	589	57	135	75	-	
Total liabilities	11127	-	850	7007	6006	3680	10717	-	589	57	2920	17141	18186	
Net worth	27778	16927	23782	18317	7010	19689	20772	15494	4230	17378	12630	16158	29572	
Change in net worth	-749	+570	-1425	-1600	+1178	+736	-2414	-585	-242	+1445	+937	+987	+5188	

Table 6. Family Living from the Farm 1955

Items	Ave. of 24 farms	Farm Number										
		1	29	10	3	23	6	22	28	17	24	5
No. of adult equivalents:												
Family	3.8	4.9	4.2	4.4	4.2	3.4	3.6	3.8	3.8	4.0	3.5	3.0
Other *	.1	-	.5	-	-	-	-	-	-	-	.4	-
Whole milk	1371	3600	1821		2160	1276	1089	1374	1440	1200	694	1375
Skim milk	186			3500								
Cream	74	96		200					360		157	
Cattle	725	800	800	1175	600	1600	1225	1000	600		685	175
Hogs	42							200			320	
Sheep	10			90								
Poultry	76		48			168		85			290	73
Eggs	47		45		267	180					88	
Total value	\$ 244	338	284	248	285	345	196	236	403	75	257	152

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Items	Farm Number													
	9	2	25	16	11	19	8	18	20	13	14	15	21	
No. of adult equivalents:														
Family	4.6	4.0	6.9	6.4	3.2	2.6	1.8	3.6	1.8	3.6	3.4	4.4	2.0	
Other *	-	-	-	-	-	-	-	.1	.2	.1	-	1.0	.2	
Whole milk	2200	1440	2920		1250	90	720	1645	365	2190	1095	1479	1488	
Skim milk	960													
Cream	29							535	365	26				
Cattle	500	700			1000			1400	850	1180	900	1256	950	
Hogs				120					300					
Sheep	140													
Poultry				418	62	382	291							
Eggs			411		54	87								
Total Value	\$ 295	143	269	129	189	165	196	393	248	340	202	222	255	

* Hired help or others boarded.

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

Items	Farm Number									
	Ave. of 17 farms	15	3	29	17	10	11	23	9	
Number of persons - family	5.7	8.5	6.0	6.0	7.0	6.5	5.0	5.0	6.0	
Number of adult equivalents - family	4.0	6.4	4.2	4.2	4.0	4.4	3.2	3.4	4.6	
- other *	.1	-	-	.5	-	-	-	-	-	
EXPENSES										
Food and meals bought	\$ 799	\$1,892	\$ 727	\$ 700	\$1,030	\$ 470	\$ 448	\$ 330	\$ 962	
Operating and supplies	144	268	387	187	157	48	66	169	178	
Furnishings and equipment	181	45	468	243	120	484	196	265	79	
Clothing and clothing materials	198	368	309	200	59	83	188	151	268	
Personal care and spending	62	71	63	116	146	4	44	103	69	
Education and recreation	129	753	199	29	15	70	51	2	23	
Medical and hospital insurance	178	401	135	97	166	100	219	88	188	
Personal share of auto expense	87	297	39	58	-	21	306	51	70	
Upkeep on dwelling	53	176	49	-	31	26	7	-	-	
Pers. share of tel. and elect. exp.	73	177	34	103	173	52	64	33	106	
Miscellaneous	168	122	176	189	12	100	76	225	43	
Total cash living expense	2,072	4,570	2,586	1,922	1,909	1,458	1,665	1,417	1,936	
Personal share new autos	-	-	-	-	-	-	-	-	-	
New dwelling	5	-	-	-	-	33	-	-	57	
Taxes	11	28	7	-	5	-	-	-	7	
Life insurance	93	262	-	247	-	-	21	-	122	
Other savings and investments	34	578	-	-	-	-	-	-	-	
Total household & pers. cash expenses	2,215	5,438	2,593	2,169	1,914	1,491	1,686	1,417	2,172	
Family living from the farm	235	129	285	284	75	248	189	345	295	
Total cash expenses and perquisites	2,450	5,567	2,878	2,453	1,989	1,739	1,875	1,762	2,467	
RECEIPTS										
Return to capital and family labor	1,413	-268	3,609	4,290	2,076	3,416	-19	2,674	1,514	
Income from outside investments	-	-	-	-	-	-	-	-	-	
Other personal income	924	7,310	2,069	-	1,389	-	3,219	-	935	
Total personal income	2,337	7,042	5,678	4,290	3,465	3,416	3,200	2,674	2,449	

Table 7. Household and Personal Expenses for those Farms Which Kept Complete Accounts of These Expenses 1955 (Continued)

Items	Farm Number						
	2	24	5	8	19	13	22
Number of persons - family	6.0	4.0	5.0	2.0	4.0	5.0	6.0
Number of adult equivalents - family	4.0	3.5	3.0	1.8	2.6	3.6	3.6
- other*	-	.4	-	-	-	.1	.1
EXPENSES							
Food and meals bought	\$ 994	\$ 597	\$ 643	\$ 526	\$ 288	\$1,335	\$ 728
Operating and supplies	121	59	75	376	9	67	259
Furnishings and equipment	28	283	81	219	31	60	40
Clothing and clothing materials	170	156	150	44	65	332	393
Personal care and spending	29	153	42	11	19	67	26
Education and recreation	219	320	50	3	26	148	198
Medical and hospital insurance	192	156	310	230	84	280	189
Personal share of auto expense	111	136	35	54	28	131	38
Upkeep on dwelling	-	-	278	297	-	11	25
Pers. share of tel. and elec. exp.	49	125	39	45	27	100	25
Miscellaneous	184	775	187	151	189	36	215
Total cash living expense	2,097	2,765	1,890	1,956	766	2,567	2,136
Personal share new autos	-	-	-	-	-	-	-
New dwelling	-	-	-	-	-	-	-
Taxes	7	-	30	75	5	5	7
Life insurance	255	-	105	43	36	31	278
Other savings and investments	-	-	-	-	-	-	-
Total household & pers. cash expenses	2,359	2,765	2,025	2,074	807	2,603	2,421
Family living from the farm	143	257	152	196	165	340	236
Total cash expenses and perquisites	2,502	3,022	2,177	2,270	972	2,943	2,657
RECEIPTS							
Return to capital and family labor	1,554	1,596	829	1,025	504	93	-1,701
Income from outside investments	-	-	-	-	-	-	-
Other personal income	168	-	460	144	-	-	23
Total personal income	1,722	1,596	1,289	1,169	504	93	-1,678

* Hired help or others boarded

** Information not available

Table 8. Measures of Farm Organization and Management Efficiency. 1955

Items	Ave. of 24 farms	Farm Number									
		1	29	10	3	23	6	22	28	17	24
Labor earnings	\$414	\$3649	\$2340	\$2189	\$2052	\$1889	\$1845	\$1383	\$ 969	\$ 780	\$ 445
Crop yields*	100	102	79	150	146	98	113	99	67	100	99
Per cent tillable in high return crops**	47.0	51.1	50.9	38.4	33.3	49.2	30.3	61.2	63.1	22.4	49.4
Return for \$100 feed to prod. livestock***	100	133	104	100	137	113	88	85	91	114	132
Productive livestock units per 100 acres****	23.3	23.0	12.9	29.3	25.4	21.7	25.3	37.7	10.9	29.9	25.3
Size of business - work units	316	387	453	261	295	260	318	391	342	265	394
Work units per worker	220	253	206	186	197	236	265	391	244	189	207
Power, mach., equip., & bldg. exp. per work unit	\$8.29	\$6.38	\$6.49	\$9.02	\$3.85	\$6.57	\$6.06	\$4.96	\$4.62	\$13.42	\$6.99
exp. per work unit											
Items related to some of above measures:											
Index of return for \$100 feed from:											
Dairy & dual purp. cattle (see pp. 23 to 26)	100	133	104	88	137	103	88	91	91	114	139
Hogs (see p. 27)	100					153		55			89
Sheep (see p. 28)	100			126							
Chickens (see p. 29)	100					82					95
Number of animal units	34.9	41.6	34.2	33.1	25.7	24.9	28.0	45.6	37.0	27.5	38.7
Work units on crops	76	72	178	48	37	63	74	80	81	30	93
Work units on prod. livestock	226	303	269	186	199	173	244	311	261	218	294
Other work units	14	12	6	27	59	24	-	-	-	17	7
Number of family workers	1.3	1.5	1.7	1.3	1.5	1.1	.8	1.0	1.3	1.3	1.1
Number of hired workers	.2	-	.5	.1	-	-	.4	-	.1	.1	.8
Total number of workers	1.5	1.5	2.2	1.4	1.5	1.1	1.2	1.0	1.4	1.4	1.9
Power expense per work unit	\$5.10	\$3.70	\$4.15	\$3.13	\$5.33	\$4.30	\$4.55	\$2.97	\$2.86	\$7.03	\$3.92
Crop mach. exp. per work unit	1.70	1.67	1.64	3.06	2.44	1.33	.95	1.28	1.23	2.92	1.23
Livestock equip. exp. per w.u.	.34	.28	.39	1.10	.31	.10	.07	.18	.13	1.17	.41
Bldgs. & fencing exp. per w.u.	1.15	.73	.31	1.73	.77	.84	.49	.53	.40	2.30	1.43

* Given as a percentage.

**Crops are marked in Table 9 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.

Table 8. Measures of Farm Organization and Management Efficiency 1955 (Continued)

Items	Farm Number											
	9	2	25	16	11	19	8	18	20	13	14	15
Labor earnings	\$ 180	\$ 120	\$ -41	\$ -51	\$ -160	\$ -349	\$ -523	\$ -555	\$ -653	\$ -1037	\$ -1325	\$ -1728
Crop yields*	86	123	112	78	129	89	88	86	114	115	89	58
Per cent tillable in high return crops **	44.2	71.9	41.9	30.8	8.4	42.8	12.6	39.9	61.3	89.1	90.2	69.4
Return for \$100 feed to prod. livestock***	120	83	93	140	89	100	159	78	90	67	34	109
Productive livestock units per 100 acres****	34.1	19.7	16.8	9.7	37.0	37.3	30.6	21.0	19.3	23.3	12.8	24.1
Size of business - work units	255	319	352	69	135	180	296	414	481	425	267	352
Work units per worker	182	228	126	99	123	150	185	376	283	236	267	196
Power, mach., equip., & bldg. exp. per work unit	\$6.57	\$9.03	\$5.05	\$28.08	\$8.22	\$12.30	\$6.71	\$11.11	\$4.70	\$8.28	\$7.16	\$9.23
Items related to some of above measures:												
Index of return for \$100 feed from:												
Dairy & dual-purp. cattle (see pp. 23 to 26)	103	83	90		89		167	78	90	67	59	109
Hogs (see p. 27)	135		67	140			89		88		0	
Sheep (see p. 28)						87						
Chickens (see p. 29)			136									
Number of animal units	38.5	30.5	33.1	5.6	17.4	74.6	32.1	38.4	46.4	41.5	35.5	32.5
Work units on crops	35	66	108	58	5	75	40	90	117	93	96	108
Work units on prod. livestock	161	246	244	11	130	101	256	324	280	325	169	244
Other work units	59	7	-	-	-	4	-	-	84	7	2	-
Number of family workers	1.4	1.4	2.8	.4	1.0	1.2	1.6	1.0	1.5	1.3	1.0	.7
Number of hired workers	-	-	-	.3	.1	-	-	.1	.2	.5	-	1.1
Total number of workers	1.4	1.4	2.8	.7	1.1	1.2	1.6	1.1	1.7	1.8	1.0	1.8
Power expense per work unit	\$5.46	\$4.50	\$3.34	\$19.06	\$6.49	\$6.30	\$4.05	\$6.38	\$3.10	\$4.81	\$3.96	\$6.57
Crop mach. exp. per work unit	.45	1.29	.56	5.83	.72	3.27	.72	2.72	.76	1.74	2.04	.96
Livestock equip. exp. per w.u.	.05	.75	.10	-	.16	.04	.08	.97	.27	.22	.05	1.01
Bldgs. & fencing exp. per w.u.	.61	2.49	1.05	3.19	.85	2.69	1.86	1.04	.57	1.51	1.11	.69

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

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

Table 9. Distribution of Acres in Farm 1955

Crop	Rating*	Ave. of 24 farms	Farm Number											
			1	2	3	4	5	6	7	8	9	10	11	12
Oats	C	13	39	30	12	22	22	31	13	17	24	26	5	5
Other small grain & peas		3	54	54	3	3	3	31	13	26	26	26	26	26
Total small grains & peas		13	39	84	12	12	12	31	13	26	26	26	26	26
Corn grain	C	7	1	20	15	12	12	25	25	14	14	14	14	14
Corn silage	C	6	14	14	6	11	11	15	15	14	14	14	14	14
Other cultivated crops		13	1	34	1	1	1	23	40	28	28	28	28	28
Total cultivated crops		13	1	34	1	1	1	23	40	28	28	28	28	28
Alfalfa & alfalfa mix hay	A	28	49	61	6	21	21	26	20	31	24	24	7	7
Red clover hay	B	11	20	20	19	1	1	26	20	31	24	24	7	7
Legumes for seed	B	1	1	1	1	1	1	1	1	1	1	1	1	1
Timothy and brome hay	D	3	1	1	1	1	1	1	1	1	1	1	1	1
Other hay	D	1	1	1	1	1	1	1	1	1	1	1	1	1
Oat and oat mix silage	C	7	49	81	24	29	21	33	20	31	40	40	19	19
Total till. land in hay		51	49	81	24	29	21	33	20	31	40	40	19	19
Alfalfa & alfalfa mix. past.	A	6	16	29	6	6	6	21	21	31	9.5	9.5	1	1
Red clover pasture	C	2	16	29	6	6	6	21	21	31	9.5	9.5	1	1
Timothy pasture	D	-	41	29	10	10	10	4	21	31	12	12	2	2
Other pasture	D	6	41	29	10	10	10	4	21	31	12	12	2	2
Total till. land in past.		14	57	29	10	10	10	4	21	31	17	17	10	10
Tillable land not cropped	D	2	146	228	3	57	65	91	94	61	111	111	32	32
Total tillable land		96	146	228	3	57	65	91	94	61	111	111	32	32
Wild hay		8	35	10	2	2	2	20	27	4	4	4	75	75
Non-tillable pasture		60	35	27	40	42	50	20	27	273	38	38	50	50
Timber not pastured		68	15	40	117	50	3	6	7	56	-	-	19	19
Roads and waste		56	61	50	125	6	3	54	12	2	4	4	15	15
Farmstead		4	3	5	5	3	2	3	20	4	3	3	4	4
Total acres in farm		292	260	360	360	160	120	174	160	400	160	160	195	195
Per cent land tillable		39.5	56.2	63.3	20.3	35.6	54.2	52.2	58.8	15.3	69.4	69.4	16.4	16.4
Per cent tillable land in high return crops		47.0	51.1	50.9	38.4	33.3	49.2	30.3	61.2	63.1	22.4	49.4	25.0	25.0

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

Table 9. Distribution of Acres in Farm 1955 (Continued)

Crop	Farm Number												
	9	2	25	16	11	19	8	18	20	13	14	15	21
Cats		26	38	3		3	18	10	31				18
Other small grain and peas	-	3		6									
Total small grain & peas	-	29	38	9	-	3	18	10	31	-	-	-	18
Corn grain			17			3			35				32
Corn silage			6			10	7		5				8
Other cultivated crops	-	-	23	9	-	13	7	-	40	-	-	-	40
Total cultivated crops	-	-	23	9	-	13	7	-	40	-	-	-	40
Alfalfa and alfalfa mix hay	12	46	27	6					50	83	93	85	48
Red clover hay	4	3	12	9		34		85	6				
Legumes for seed			11										
Timothy and brome hay	7	4	1		8		14						
Other hay			7										
Oat and oat mix silage	20	53	67	5	8	34	14		56	20	14	35	18
Total till. land in hay	43	53	67	20	8	34	14		56	103	107	120	66
Alfalfa and alfalfa mix. past.		20							18	35			20
Red clover pasture					11								
Timothy pasture					2			13					
Other pasture					11		11	13	18	35	-	15	-
Total till. land in past.	-	20	-	12	11	-	11	13	18	35	-	15	-
Tillable land not cropped													
Total tillable land	43	105	128	57	32	50	50	143	145	138	107	135	124
Wild hay													
Non-tillable pasture	-	-	-	-	-	50	30	-	-	-	-	-	2
Timber not pastured	70	50	70	-	15	100	25	40	96	40	170	-	158
Roads and waste	50	47	-	60	-	600	-	-	40	187	220	100	-
Farmstead	15	-	3	54	71	225	160	197	29	15	20	213	6
Total acres in farm	180	205	203	173	120	1030	265	385	316	390	520	450	300
Per cent land tillable	23.9	51.2	62.8	33.1	26.7	4.9	18.9	37.1	45.7	35.4	20.6	30.0	41.3
Per cent tillable land in high return crops	44.2	71.9	41.9	30.8	8.4	42.8	12.6	39.9	61.3	89.1	90.2	69.4	50.4

Table 10. Crop Yields per Acre 1955

Crop	Ave. of 24 Farms	Farm Number											
		1	29	10	3	23	6	22	28	17	24	5	
Oats	bu.	35.8	25.6	-	75.0	50.2	38.4	-	-	-	51.2	-	
Corn grain	bu.	54.9	77.0	-	-	55.0	40.0	28.0	-	-	54.3	-	
Oat and oat mix silage	tons	4.6	-	6.6	-	-	4.5	-	3.8	-	-	-	
Corn silage	tons	7.5	-	8.0	5.0	7.1	4.9	8.2	3.6	-	5.0	-	
Alfalfa hay	tons	2.2	2.6	3.5	-	1.0	-	3.3	1.8	-	2.0	2.1	
Red clover hay	tons	2.0	-	3.1	2.6	-	3.0	-	-	2.1	1.2	-	
Timothy and brome hay	tons	2.0	-	-	-	-	-	-	-	-	1.1	1.2	
Wild hay	tons	.9	-	-	-	-	-	-	.5	-	-	.5	

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Crop	Ave. of 24 Farms	Farm Number											
		9	2	25	16	11	19	8	18	20	13	14	15
Oats	bu.	-	33.1	40.7	20.0	-	41.0	16.7	20.0	25.0	-	-	-
Corn grain	bu.	-	-	74.4	-	-	46.0	-	-	74.1	-	-	-
Oat and oat mix silage	tons	4.2	-	-	3.0	-	-	-	5.3	-	7.2	4.3	2.9
Corn silage	tons	-	-	10.5	-	-	8.0	8.0	-	10.8	-	-	-
Alfalfa hay	tons	1.9	2.7	2.3	1.7	-	-	-	-	-	-	-	-
Red clover hay	tons	.8	3.3	2.3	1.0	-	1.6	-	-	2.5	2.2	1.9	1.2
Timothy and brome hay	tons	1.8	4.0	.7	-	2.5	-	2.5	-	-	-	-	-
Wild hay	tons	-	-	-	-	-	-	1.5	-	-	-	-	.5

Table 11. Power and Machinery Expenses per Crop Acre 1955

Items	Ave. of 24 Farms	Farm Number										
		1	29	10	3	23	6	22	28	17	24	5
Crop acres per farm	88	89	209	54	49	65	87	73	65	44	98	94
Tractor and horse expense per crop acre	\$7.84	\$5.83	\$4.22	\$ 5.52	\$ 7.29	\$7.35	\$7.23	\$6.26	\$6.18	\$18.46	\$6.63	\$2.62
Crop and general machinery per crop acre	6.63	7.25	3.56	14.82	14.71	5.31	3.50	6.86	6.46	17.58	4.96	.69

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Items	Farm Number												
	9	2	25	16	11	19	8	18	20	13	14	15	21
Crop acres per farm	43	82	128	38	8	100	69	130	126	103	107	120	126
Tractor and horse expense per crop acre	\$10.92	\$9.59	\$4.36	\$13.16	\$27.94	\$8.03	\$7.57	\$3.86	\$3.95	\$7.06	\$3.17	\$4.61	\$6.33
Crop and general machinery per crop acre	2.65	5.04	1.55	10.44	12.25	5.89	3.08	8.67	2.91	7.18	5.08	2.82	5.94

Table 12. Factors of Cost and Returns from Dairy and Dual-Purpose Cows 1955

Items	Ave. of 22 Farms	Farm Number									
		3	1	17	24	15	9	13	2	29	23
Pounds of butterfat per cow	281	368	357	353	352	336	333	328	305	300	300
Price per lb. B.F. sold (cts.)	90.2	106.9	104.4	112.5	91.0	112.0	80.0	89.2	100.8	88.6	84.6
Feeds per cow, lbs:											
Corn	260	-	342	-	1310	-	-	-	-	1321	649
Small grain	385	454	992	-	884	-	-	-	1009	-	833
Commercial feeds	857	1666	1206	1396	204	2406	1486	1352	1729	282	238
Legume hay	3619	-	3926	-	3433	3750	2770	4391	2897	4934	5079
Other hay	2356	4310	3926	6952	-	3750	2770	4891	2897	-	-
Fodder and stover	1079	-	-	-	-	-	-	-	-	-	-
Total concentrates	1502	2120	2540	1396	2398	2406	1486	1352	2738	1603	1720
Total hay and fodder	7054	4310	7852	6952	3433	7500	5540	9782	5794	4934	5079
Silage	6785	11612	-	4492	5794	3000	10392	27246	9346	7841	6032
Feed cost per cow: \$											
Concentrates	\$39.23	\$58.63	\$66.93	\$71.39	\$51.94	\$66.01	\$43.48	\$35.64	\$50.76	\$36.16	\$39.22
Roughages	71.43	62.18	58.88	70.21	42.02	66.00	75.32	154.91	73.83	68.39	62.30
Pasture	5.78	5.64	6.34	5.31	5.80	5.69	6.19	3.44	5.46	4.79	6.75
Total feed cost	116.44	126.45	132.15	146.91	99.76	137.70	124.99	193.99	130.05	109.34	108.27
Value of produce per cow: \$											
Dairy product sales	241.83	374.53	349.89	391.07	309.59	368.73	215.94	285.08	286.02	257.41	236.11
Used in house or fed	15.78	15.77	17.24	4.04	10.73	3.06	57.85	6.53	17.01	9.96	15.95
Net inc. in value of cows	-11.89	-29.53	1.03	-9.36	-6.35	-35.30	-17.16	-32.95	-29.20	1.56	-8.03
Total value produced	245.72	360.77	368.16	385.75	313.97	336.49	256.63	258.66	273.83	268.93	244.03
Ret. above feed cost per cow: \$129.28		234.32	236.01	238.84	214.21	198.79	131.64	64.67	143.78	159.59	135.76
Returns for \$100 of feed	\$222	285	279	263	315	244	205	133	211	246	225
Feed cost per lb. B.F. (cts.)	41.6	34.4	37.0	41.6	28.3	41.0	37.6	59.2	42.6	36.4	36.1
Number of cows *	19.4	15.5	24.2	18.7	23.3	20.0	10.2	27.6	21.4	22.7	12.6

Table 12. Factors of Cost and Returns from Dairy and Dual-Purpose Cows 1955 (continued)

Items	Farm Number											
	18	11	6	25	10	14	5	22	21	28	8	20
Pounds of butterfat per cow	295	289	274	255	255	247	229	224	218	216	179	167
Price per lb. B.F. sold (cents)	113.7	80.3	79.0	82.7	87.6	78.7	81.2	83.5	81.5	84.8	78.8	82.4
Feeds per cow, lbs.:												
Corn	-	-	373	473	-	-	-	597	612	-	-	46
Small grain	570	-	1069	362	-	946	6	219	358	668	-	91
Commercial feeds	1938	919	351	164	1271	609	449	213	610	213	61	104
Legume hay	4192	2692	4978	5714	2643	5391	-	5710	8134	5436	-	3046
Other hay	4192	2692	89	1131	1786	-	5431	-	-	495	3478	3046
Fodder and stover	-	-	-	5953	-	13913	-	3861	-	-	-	-
Total concentrates	2508	919	1793	999	1271	1555	455	1029	1530	831	61	241
Total hay and fodder	8384	5384	5067	12798	4429	19304	5431	9571	8134	5931	3478	6092
Silage	20069	3846	5333	-	17572	-	-	-	5187	6733	1217	3553
Feed cost per cow: \$												
Concentrates	\$66.66	\$29.56	\$44.54	\$21.61	\$13.41	\$36.93	\$15.33	\$28.41	\$47.11	\$30.28	\$1.70	\$7.34
Roughages	128.11	52.83	59.11	74.91	91.39	93.74	32.59	57.45	87.47	69.71	34.65	55.46
Pasture	5.45	6.13	6.00	7.79	5.00	6.52	6.63	8.39	4.11	4.64	6.52	4.50
Total feed cost	200.22	88.57	109.65	104.31	109.80	137.19	54.55	94.25	138.69	104.63	42.87	67.30
Value of produce per cow: \$												
Dairy product sales	325.88	207.75	205.38	150.83	220.44	177.99	173.28	183.63	170.62	165.42	138.69	125.93
Used in house or fed	8.00	24.69	10.99	57.05	4.86	17.97	12.45	3.18	8.55	25.21	4.69	11.29
Net inc. in value of cows	-22.95	-9.21	-17.55	9.79	-16.93	-21.34	-4.31	-5.92	-11.14	3.20	-	-
Total value produced	310.93	223.23	198.82	217.67	208.37	174.62	181.42	180.94	168.03	193.83	143.38	137.22
Ret. above feed cost per cow \$	110.71	134.66	89.17	113.36	98.57	37.43	126.87	86.69	29.34	89.20	100.51	69.92
Returns for \$100 of feed	155	252	181	209	190	127	333	192	121	185	334	204
Feed cost per lb. B.F. (cents)	67.8	30.7	40.0	40.8	43.0	55.5	23.8	42.1	63.5	48.5	24.0	40.3
Number of cows *	29.1	10.4	22.5	16.8	14.0	11.5	11.6	25.9	26.8	20.2	23.0	19.7

* All dairy cows.

Table 14. Feed Costs and Returns from All Dairy and Dual-Purpose Cattle 1955

Items	Ave. of 22 farms	Farm Number									
		3	1	17	24	15	9	13	2	29	23
Feeds per animal unit, lb:											
Concentrates	1168	1495	1662	1160	2010	1677	1000	1259	2164	1200	1536
Hay and fodder	6032	4082	6346	6764	3273	6154	4508	7229	6688	4631	4746
Silage	5696	10367		3855	4595	1846	6448	20144	8525	8201	5650
Tot. feed cost per an. unit \$	98.97	104.08	96.45	131.28	86.62	103.22	90.34	152.69	123.88	98.42	102.01
Val. of prod. per an. unit \$											
Dairy products	163.11	243.34	208.79	268.68	219.48	228.48	130.86	193.93	203.99	177.92	171.84
Net inc. in val. of cattle	28.32	46.54	50.79	35.16	25.91	.44	57.90	12.70	5.31	30.14	42.50
Total value produced	191.50	289.88	259.58	303.84	245.39	228.92	188.76	206.63	209.30	208.06	214.34
Ret. above feed per an. unit \$	92.53	185.80	163.13	172.56	158.77	125.70	98.42	53.94	85.42	109.64	112.33
Ret. per \$100 of feed \$	203	279	269	231	283	222	209	135	169	211	210
Animal units of cattle	29.8	24.5	41.6	27.5	33.3	32.5	18.3	41.5	30.5	33.9	17.7

Items	Ave. of 22 farms	Farm Number									
		18	11	6	25	10	14	5	22	21	8
Feeds per animal unit, lb.:											
Concentrates	2088	644	1462	873	916	935	322	800	1587	510	83
Hay and fodder	7136	6395	5786	9937	4107	12475	4412	7581	7778	3832	3472
Silage	16198	2326	4286	1500	14554	1930	-	1029	3680	5784	972
Tot. feed cost per an. unit \$	173.20	83.22	103.65	89.70	97.18	104.08	44.02	81.10	128.34	72.51	42.88
Vol. of prod. per animal unit \$											
Dairy products	253.02	130.12	163.11	111.23	140.81	105.12	123.72	125.71	108.89	93.98	114.51
Net inc. in val. of cattle	20.71	19.51	17.41	52.02	32.19	19.51	-6.75	23.61	9.02	40.22	30.55
Total value produced	273.73	149.63	185.52	163.25	173.00	124.63	116.97	149.32	117.91	134.20	145.06
Ret. above feed per an. unit	\$100.53	66.41	81.87	73.55	75.82	20.55	72.95	-68.22	-10.43	61.69	102.18
Ret. per \$100 of feed	\$158	180	179	182	178	120	266	184	92	185	338
Animal units of cattle	38.4	17.2	28.0	24.0	22.4	20.2	17.0	38.5	43.2	37.0	28.8

Table 15. Feed Costs and Returns from Hogs 1955

Items	Ave. of 7 farms							Farm Number			
	21	23	24	20	8	25	22				
Feed per cwt. hogs produced: lbs.											
Corn	275	240	197	280	-	576	404				
Small grain	227	187	285	87	325	316	244				
Commercial feeds	71	67	30	82	264	5	17				
Total concentrates	573	494	512	449	589	897	665				
Skimmilk, buttermilk and whey	179	-	-	26	1222	-	-				
Feed cost per cwt. hogs produced: \$											
Concentrates	12.99	12.67	10.79	14.61	14.75	16.41	11.95				
Skimmilk, buttermilk and whey	.85	-	-	.19	5.69	-	-				
Pasture	.12	.17	-	.12	.37	.11	-				
Total feed costs	13.96	12.84	10.79	14.92	20.81	16.52	11.95				
Net inc. in value per cwt. hogs prod. \$	14.09	21.59	10.03	13.63	19.31	11.54	6.81				
Returns above feed cost per cwt. hogs produced	\$.13	8.75	- .76	-1.29	-1.50	-4.98	-5.14				
Returns for \$100 of feed	\$ 104	168	93	91	93	70	57				
Price received per cwt. hogs sold	\$ 16.97	13.25	13.42	15.78	21.73	18.48	15.48				
Ave. weight per hog sold	lbs. 165	60	368	231	54	77	212				
No. of spring litters raised	5.4	16	-	4	4	4	4				
No. of fall litters raised	5.4	10	3	4	4	3	4				
Total no. of litters raised	10.8	26	3	8	8	7	8				
No. of pigs born per litter	8.4	7.2	11.0	6.1	8.0	9.3	9.3				
No. of pigs weaned per litter	6.7	6.0	9.0	5.3	7.5	6.3	6.3				
Pounds of hogs produced	5071	6735	3813	7725	2955	2895	4115				

Table 16. Feed Costs and Returns from a Farm Flock of Sheep 1955

Items	Ave. of		Farm Number			
	4 farms	16	9	10	14	
Feeds per head: * lb.						
Concentrates	62	103	59	71	14	
Legume hay	524	531	322	194	1051	
Other hay	213	531	322	-	-	
Silage	325	251	155	893	-	
Feed cost per head: \$						
Concentrates	\$1.59	\$2.30	\$1.96	\$1.51	\$.53	
Roughages	7.71	9.01	5.34	7.03	9.46	
Pasture	<u>1.50</u>	<u>1.21</u>	<u>1.21</u>	<u>2.12</u>	<u>1.48</u>	
Total feed costs	10.80	12.52	8.51	10.66	11.52	
Value of produce per head: \$						
Wool	\$3.09	\$3.43	\$1.94	\$3.17	\$3.82	
Net increase in value of sheep	<u>5.82</u>	<u>11.30</u>	<u>7.67</u>	<u>8.14</u>	<u>-3.81</u>	
Total value produced	8.91	14.73	9.61	11.31	.01	
Returns above feed cost per head	-1.89	2.21	1.10	.65	-11.51	
Returns for \$100 of feed	\$84	\$118	\$113	\$106	0	
Price per cwt. of lambs sold: \$	\$17.56	\$17.95	\$16.25	\$21.20	\$14.83	
Price per lb. of wool sold (cents)	46.8	50.4	33.1	53.3	50.3	
Pounds of wool per sheep sheared	17.4	8.1	5.8	17.4	8.4	
Number of ewes kept for lambing	64	26	118	52	60	
Per cent lamb crop **	105	123	103	108	85	
Per cent death loss	11.5	7.9	4.5	12.4	21.3	
Pounds of sheep produced	3978	2159	6506	***	3270	
No. of head of sheep*	86.6	35.8	135.7	72.2	102.8	

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

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

*** Information not available.

Table 17. Feed Costs and Returns from Chickens 1955*

Items	lb.	Ave. of 4 farms				Farm Number		
		25	24	19	23			
Feed per hen:								
Grain		118	127	106	72			
Commercial feeds		32	35	44	75			
Total concentrates		157	162	150	147			
Total feed cost per hen	\$	\$4.13	\$4.29	\$4.31	\$4.77			
Value of produce per hen: \$								
Eggs sold and used in house		5.68	5.84	4.99	5.71			
Net increase in value of chickens		.83	.81	1.08	.63			
Total value produced		6.51	6.65	6.07	6.34			
Returns above feed cost per hen	\$	2.33	2.36	1.76	1.57			
Returns for \$100 of feed	\$	\$163	\$155	\$141	\$133			
Price received per doz. eggs sold (cents)		32.4	31.5	33.3	32.2			
Eggs laid per hen		210	221	179	210			
Average no. of hens on farm during year		125	89	107	77			
Per cent of hens that are pullets		68	50	50	70			
Per cent death loss of hens		13	19	13	12			
Number of chicks started:								
Pullets		153	160	-	100			
Cockerels		8	30	-	-			
Lbs. chickens produced		733	579	505	**			

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

** Information not available.

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 18.

Table 18. Number of Work Units for Each Class of Livestock and Each Acre of Crop

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Class of Livestock	No. of		Crop	No. of	
	Work Units			Work Units	
Dairy and dual-purpose cows	10.0	per cow	Small grain	.7	per acre
Other dairy and dual-purpose cattle	3.5	per an. unit*	Truck crops	6.0	per acre
Beef breeding herd	3.5	per an. unit*	Potatoes	3.8	per acre
Feeder cattle	.25	per 100 lbs.	Corn-husked	1.1	per acre
Sheep-farm flock	1.5	per an. unit*	Corn-silage	1.7	per acre
Sheep - feeder	.3	per 100 lbs.	Oat silage	.9	per acre
Hogs	.2	per 100 lbs.	Alfalfa hay	.9	per acre
Turkeys	.5	per 100 lbs.	Other hay	.6	per acre
Hens	20.0	per 100 hens	Legume seed	1.0	per acre

* Animal unit represents 1 dairy cow or bull, 2 other dairy cattle, $1\frac{1}{4}$ beef cows or bull, 1 feeder steer or heifer, 3 $1/3$ other beef cattle, 7 sheep, 14 lambs, $2\frac{1}{2}$ hogs, 5 pigs, 50 hens or 1,100 pounds of turkeys produced.

Table 19. Comparison of Results for 15 Identical Farms for the years 1954 and 1955

Farm No.	Tillable Acres*		Total Receipts per farm		Total expenses per farm		Labor earnings per farm		Total receipts per till. acre		Total expenses per till. acre	
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
1.	135	155	\$10537	\$10920	\$6442	\$7271	\$4095	\$3649	\$ 78.05	\$ 70.45	\$ 47.72	\$46.91
2.	102	113	9179	7455	7028	7335	2151	120	89.99	63.18	68.90	62.16
3.	64	68	8126	8339	6100	6287	2026	2052	126.97	122.63	95.31	92.45
5.	32	63	3984	2607	2850	2334	1134	273	124.50	41.38	89.06	37.05
6.	57	95	6307	6107	5413	4262	894	1845	110.65	64.28	94.97	44.86
8.	80	64	4392	6064	4011	6587	381	-523	54.90	94.75	50.14	102.92
9.	23	61	3445	7221	3599	7041	-154	180	149.78	118.38	156.48	115.43
10.	68	83	5591	7429	6114	5240	-523	2189	82.22	89.50	89.91	63.13
11.	21	36	1905	3218	2593	3378	-688	-160	90.71	89.39	123.48	93.83
13.	138	148	9497	10654	10558	11691	-1061	-1037	68.82	71.98	76.51	78.99
14.	107	149	5530	3463	6696	4788	-1166	-1325	51.68	23.24	62.58	32.13
15.	120	135	10186	9377	11514	11105	-1328	-1728	84.88	69.46	95.95	82.26
16.	34	57	3641	3537	4976	3588	-1335	-51	107.09	62.05	146.35	62.95
17.	76	88	8508	8946	10172	8166	-1664	780	111.95	101.66	133.84	92.80
18.	143	153	10253	16097	12663	16642	-2410	-555	71.70	105.14	88.55	108.77
Ave.	80	98	6739	7428	6715	7048	24	380	93.59	79.16	94.65	74.44

Farm No.	Labor earnings per till. acre		Lab. earnings & unpaid fam. lab. & interest**		No. of dairy cows		No. of other dairy cattle		Lbs. butterfat per cow	
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
1.	\$30.33	\$23.54	\$5361	\$5679	22.4	24.2	25.4	34.8	381	357
2.	21.09	1.02	3282	1812	19.0	21.4	17.0	18.1	303	305
3.	31.66	30.18	3213	3644	14.5	15.5	11.6	18.0	368	368
5.	35.44	4.33	1872	1004	12.0	11.6	6.4	10.7	251	229
6.	15.68	19.42	1570	2581	19.0	22.5	15.0	11.0	285	274
8.	4.76	-3.17	1585	1407	23.0	23.0	14.5	11.6	171	179
9.	-6.70	2.95	324	1504	5.0	10.2	9.8	16.2	288	333
10.	-7.69	26.37	212	3564	11.2	14.0	15.7	16.8	224	255
11.	-32.77	-4.44	424	249	9.0	10.4	13.5	13.5	126	289
13.	-7.69	-7.01	617	546	26.2	27.6	27.5	27.8	286	328
14.	-10.90	-8.89	-233	419	8.4	11.5	14.0	17.3	228	247
15.	-11.07	-12.80	563	-526	18.0	20.0	26.0	25.0	382	336
16.	-39.26	-9.90	81	544	-	-	-	-	-	-
17.	-21.89	8.86	-16	2232	20.2	18.7	17.6	17.5	317	353
18.	-16.85	-3.63	-1259	1140	8.5	29.1	4.2	18.6	***	295
Ave.	-1.06	4.72	1116	1664	15.5***	18.6***	15.6***	18.4***	258***	296***

*Crop acres and $\frac{1}{4}$ acres in permanent pasture and wild hay.

***Average of 14 farms

** Interest at 5% on all farm capital

**** Not available