



***The World's Largest Open Access Agricultural & Applied Economics Digital Library***

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search  
<http://ageconsearch.umn.edu>  
[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from AgEcon Search may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

1956 Annual Report

SOUTHEASTERN MINNESOTA  
FARM MANAGEMENT SERVICE

University of Minnesota  
Institute of Agriculture

and  
United States Department of Agriculture  
Agricultural Research Service  
and the  
County Extension Services of  
14 Southeastern Minnesota Counties

and the

Southeast Minnesota Farm Management Association  
Cooperating

Report No. 231  
Department of Agricultural Economics  
Institute of Agriculture  
St. Paul 1, Minnesota  
May, 1957

1956 ANNUAL REPORT OF THE SOUTHEASTERN MINNESOTA FARM MANAGEMENT SERVICE

Prepared by T. R. Nodland, G. A. Pond, and R. G. Johnson

INDEX

	Page
Introduction . . . . .	1
Summary of Farm Inventories . . . . .	3
Summary of Farm Earnings (Cash Statement) . . . . .	4
Summary of Farm Earnings (Enterprise Statement) . . . . .	5
Net Worth Statement . . . . .	6
Summary of Farm Earnings by Tenure . . . . .	7
Household and Personal Expenses . . . . .	8
Family Living from the Farm . . . . .	9
Cumulative Effect of Excelling in a Number of Management Factors . . . . .	9
Measures of Farm Organization and Management Efficiency . . . . .	10
Thermometer Chart . . . . .	11
Distribution of Acres in Farm . . . . .	12
Crop Yields per Acre . . . . .	13
Average Price of Feeds . . . . .	13
Power and Machinery Expense per Crop Acre . . . . .	13
Total Feed Costs and Returns from Your Livestock Enterprises . . . . .	14
Feed Costs and Returns from Hogs . . . . .	15
Feed Costs and Returns from Dairy Cattle . . . . .	16
Feed Costs and Returns from Beef Cattle . . . . .	18
Feed Costs and Returns from a Farm Flock of Sheep . . . . .	19
Feed Costs and Returns from Chickens . . . . .	20
Feed Costs and Returns from Laying Hens . . . . .	20
Feed Costs and Returns from Chicks . . . . .	21
Explanation of "Work Units" . . . . .	21
Summary by Years, 1928-56 . . . . .	22

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 southeastern Minnesota counties are cooperating with the Southeast Minnesota Farm Management Association 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. 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 for this project. At the end of the year, R. B. Zoller, Henrik Aune, V. F. Amann, and T. R. Eichers 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 1956.

County	No. of records	Association officers	County Agricultural Extension Agent
Dakota	7	William Frame, Director	Clarence O. Quie
Dodge	14	Forest Chapin, Director	Loyel Hoseck
Freeborn	16	Merrill Smeby, Director	Eldon H. Senske
Goodhue	24	Richard Featherstone, Director	G. J. Kunau
Le Sueur	7	Otto Kajer, Director	Floyd H. Bellin, Jr.
Mower	7	Wilfred Denisen, President	Don Hasbargen
Nicollet	13	Wilbur Halbert, Director	F. E. Wetherill
Olmsted	14	Thomas Dickerman, Director	Ray Aune
Rice	11	Lowell Albers, Vice-President	Warren Liebenstein
Scott	4	George Williamson, Director	Arnold Sandager
Steele	16	Walter Dunn, Secretary	J. R. Gute
Wabasha	10	Everett Freiheit, Director	Mathas Metz
Waseca*	22	Francis Miller, Director	C. F. Murphy
Winona	10	Homer Goss, Director	Gordon Anderson
Total	175		Harold Karli

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

The data for 165 farms are shown in the tables on succeeding pages. Ten farms were omitted from all averages in the tables because the records were not sufficiently complete for a full analysis or the records were not returned for analysis following completion of income tax schedules.

Because the farmers included in this study are, in general, above the average in managerial ability and operate larger and more productive farms, they have returns materially higher than the average for this section of the state. There were, nevertheless, wide variations in the methods and practices followed by these men. It is reasonable to assume that similar variations 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, 1956\*

Items	Your farm		Average of 165 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1. Size of farm (acres)			231	
2. Size of business (work units)**			475	
3. Dairy and dual purpose cows	\$	\$	\$2848	\$2914
4. Other dairy & dual purpose cattle			1389	1423
5. Beef cattle (incl. feeders)			1350	1412
6. Hogs			997	1395
7. Sheep (including feeders)			157	141
8. Poultry (including turkeys)			272	224
9. Productive livestock (total)			\$7013	\$7509
10. Horses			32	25
11. Crop, seed and feed			6818	7613
12. Auto (farm share)			1252	1270
13. Tractors			1989	2071
14. Crop and general machinery			4219	4263
15. Livestock equipment and supplies			1016	1117
16. Machinery & equipment (total)			\$8476	\$8721
17. Miscellaneous			9	9
18. Land			12623	12623
19. Buildings, fences, etc.			10506	10633
20. Total farm capital	\$	\$	\$45477	\$47133

Items	33 most profitable farms		33 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
1. Size of farm (acres)	276		259	
2. Size of business (work units)**	560		459	
3. Dairy and dual purpose cows	\$3200	\$3289	\$2380	\$2385
4. Other dairy & dual purpose cattle	1644	1580	1021	1181
5. Beef cattle (incl. feeders)	1371	1674	3673	3630
6. Hogs	1561	2673	956	1066
7. Sheep (including feeders)	95	82	213	195
8. Poultry (including turkeys)	234	145	247	223
9. Productive livestock (total)	\$8105	\$9443	\$8490	\$8680
10. Horses	30	19	42	29
11. Crop, seed and feed	9426	10922	7017	7360
12. Auto (farm share)	1410	1554	1412	1284
13. Tractors	2461	2702	2038	2032
14. Crop and general machinery	5475	5239	4538	4558
15. Livestock equipment and supplies	1247	1481	604	655
16. Machinery and equipment (total)	\$10593	\$10976	\$8592	\$8529
17. Miscellaneous	-	-	-	-
18. Land	15300	15300	13297	13297
19. Buildings, fences, etc.	14008	14698	10020	9762
20. Total farm capital	\$57462	\$61358	\$47458	\$47657

\* For the purpose of comparison, all the data shown in this report, with the exception of tables 4 and 5, are presented on a full-owner basis. The assets, expenses, and receipts of the landlord were included in the records from rented farms.

\*\* See page 21 for an explanation of "work units."

Table 2. Summary of Farm Earnings (Cash Statement), 1956

Items	Average Your farm	33 most of 165 farms	33 least profitable farms
<b>FARM RECEIPTS</b>			
1. Dairy cattle	\$1252	\$1626	\$ 913
2. Dairy products	5934	6703	4313
3. Beef cattle (including feeding cattle)	1529	2289	2986
4. Hogs	3717	6430	2866
5. Sheep and wool	237	126	266
6. Horses	15	18	20
7. Poultry (including turkeys)	197	371	95
8. Eggs	1276	1111	1001
9. Corn	2004	3197	1243
10. Small grain	378	625	557
11. Other crops	1390	2550	1758
12. Machinery & equipment sold	223	418	129
13. Income from work off the farm	478	490	575
14. Miscellaneous	268	358	243
15. Total farm sales	\$18898	\$26312	\$16965
16. Increase in farm capital	1656	3896	199
17. Family living from the farm	290	288	229
18. Total farm receipts	\$20844	\$30496	\$17393
<b>FARM EXPENSES</b>			
19. Dairy and dual-purpose cattle bought	\$ 210	\$ 155	\$ 109
20. Beef cattle bought (incl. feeding cattle)	737	1129	1299
21. Hogs bought	177	346	101
22. Sheep bought	89	16	59
23. Horses bought	5	-	4
24. Poultry bought (including turkeys)	120	134	90
25. Misc. livestock expenses	476	579	415
26. Feed bought	2491	3331	2509
27. Fertilizers	734	1192	731
28. Other crop expenses	546	724	603
29. Custom work hired	688	793	535
30. Gas, oil and grease bought (farm share)	783	937	855
31. Repairs for tractors, trucks & autos (farm share)	434	467	510
32. Repair and upkeep of farm real estate	305	368	302
33. Repair and upkeep of crop & gen. mach.	293	359	309
34. Repair and upkeep of livestock equip.	139	210	116
35. Wages of hired labor	878	1225	1152
36. Electricity expense	254	291	234
37. Pers. prop. and real est. taxes	787	950	864
38. Telephone and general farm expense	296	345	268
39. Total cash operating expense	\$10442	\$13551	\$11065
40. Mechanical power bought (farm share)	779	1242	569
41. Crop and general machinery bought	913	921	913
42. Livestock equipment bought	282	458	183
43. New real estate improvements	807	1539	397
44. Total farm purchases	\$13223	\$17711	\$13127
45. Decrease in farm capital	-	-	-
46. Interest on farm capital	2315	2970	2378
47. Unpaid family labor	526	482	654
48. Board furnished hired labor	130	183	143
49. Total farm expenses	\$16194	\$21346	\$16302
50. Labor earnings	\$4650	\$9150	\$1091

Table 3. Summary of Farm Earnings (Enterprise Statement), 1956\*

Items	Your farm	Average of 165 farms	33 most profitable farms	33 least profitable farms
<b>RETURNS AND NET INCREASES</b>				
1. Dairy and dual-purpose cows	—	\$6011	\$6848	\$4355
2. Other dairy & dual-purpose cattle	—	1393	1745	1179
3. Beef breeding herd	—	160	69	618
4. Feeder cattle	—	706	1360	1091
5. Hogs	—	3973	7232	2900
6. Sheep--farm flock	—	104	109	190
7. Sheep--feeders	—	30	—	—
8. Turkeys	—	42	210	—
9. Chickens	—	1334	1114	1026
10. All productive livestock	—	\$13753	\$18687	\$11359
11. Value of feed fed to livestock	—	8757	11076	8612
12. Return over feed from livestock	—	\$4996	\$7611	\$2747
13. Crops, seed and feed	—	9419	13533	8535
14. Income from labor off the farm	—	268	289	321
15. Agricultural conservation payments	—	59	90	53
16. Miscellaneous	—	203	268	190
17. Total returns and net increases	—	\$14945	\$21791	\$11846
<b>EXPENSES AND NET DECREASES</b>				
18. Horses	—	\$ 19	\$ 15	\$ 19
19. Truck	—	299	336	386
20. Auto (farm share)	—	389	434	423
21. Tractor	—	935	1096	992
22. Electricity (farm share)	—	270	311	248
23. Hired power	—	329	391	246
24. Total power	—	\$2241	\$2583	\$2314
25. Crop and general machinery	—	1133	1423	1181
26. Livestock equipment	—	312	407	243
27. Buildings, fencing, and tiling	—	961	1210	954
28. Misc. productive livestock expenses	—	470	579	415
29. Labor	—	1780	2174	2138
30. Real estate taxes	—	629	758	694
31. Personal property tax	—	158	192	170
32. Insurance	—	134	149	123
33. General farm	—	162	196	145
34. Interest on farm capital	—	2315	2970	2378
35. Total expenses and net decreases	—	\$10295	\$12641	\$10755
36. Labor earnings	—	4650	9150	1091

\* 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 4.

Table 4. Net Worth Statement for Those Farmers Who Kept a Complete Record of All Assets and Liabilities, 1956 (Operator's share)

Items	Your farm		36 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			205	
Owned			205	
Rented			-	
Total farm capital			\$41157	\$44075
Stocks and bonds			2495	2575
Life insurance			1957	2096
Notes and accounts receivable			748	1206
Shares in cooperative organizations			468	543
Outside real estate			984	660
Cash on hand in bank			985	1238
Household furnishings and clothing			2487	2521
Pers. share of auto			523	592
Farm dwelling			4058	3949
Total non-farm assets			14705	15380
Total assets			55862	59455
Federal Land Bank mortgage			2261	2784
Other mortgages on farm operated			4427	3850
Loans on other real estate			250	-
Production credit assoc. loans			74	120
Sealed grain			420	701
Other chattel mortgages			901	1240
Notes payable			1720	2017
Accounts payable			212	246
Total liabilities			10265	10958
Farmer's net worth			45597	48497
Change in net worth			+2900	

	19 part-owners*		9 renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm	253		224	
Owner	132		-	
Rented	121		224	
Total farm capital	\$40975	\$44188	\$12428	\$13250
Stocks and bonds	1233	1450	246	88
Life insurance	1537	1618	1414	1531
Notes and accounts receivable	687	1273	11	55
Shares in cooperative organizations	580	665	230	290
Outside real estate	28	28	51	54
Cash on hand and in bank	2443	3438	111	295
Household furnishings and clothing	2260	2343	2162	2195
Pers. share of auto	500	467	252	241
Farm dwelling	3260	3685	-	-
Total non-farm assets	12528	14967	4477	4749
Total assets	53503	59155	16905	17999
Federal Land Bank mortgage	2013	2743	-	-
Other mortgages on farm operated	2221	3284	-	-
Loans on other real estate	-	-	-	-
Production Credit Assoc. Loans	615	748	-	1332
Sealed grain	1495	810	265	223
Other chattel mortgages	1142	1334	814	720
Notes payable	2324	2497	4477	3661
Accounts payable	161	378	386	552
<b>TOTAL LIABILITIES</b>	<b>10271</b>	<b>11794</b>	<b>5942</b>	<b>6488</b>
Farmer's net worth	43232	47361	10963	11511
Gain in net worth		+4129		+548

\* 9 rented for cash, 2 cash and crop share, 5 crop share and 3 livestock and crop share

\*\* 3 rented for cash, 1 cash & crop share, & 5 livestock & crop share

Table 5. Summary of Farm Earnings by Tenure. 1956 (Operator's Share)

Items	Your farm	36 owners	19 part owners	9 renters
<b>FARM RECEIPTS</b>				
Dairy and dual-purpose cattle	\$ _____	\$ 1101	\$ 812	\$ 790
Dairy products	_____	5832	4242	3500
Beef cattle (including feeders)	_____	900	1594	534
Hogs	_____	3693	2578	2404
Sheep and wool (including feeders)	_____	633	171	175
Horses	_____	4	9	14
Poultry (including turkeys)	_____	156	161	145
Eggs	_____	1462	1321	619
Corn	_____	1716	3673	712
Small grain	_____	252	652	50
Other crops	_____	856	2571	1030
Machinery and equipment sold	_____	129	879	122
Income from work off the farm	_____	443	851	445
Miscellaneous	_____	311	214	134
(1) Total farm sales	\$ _____	17488	19728	10674
(2) Increase in farm capital	_____	2918	3213	822
(3) Family living from the farm	_____	288	252	263
(4) Total farm receipts (1)+(2)+(3)	\$ _____	20694	23193	11759
<b>FARM EXPENSES</b>				
Dairy and dual-purpose cattle bought	\$ _____	\$ 116	\$ 69	\$ 56
Beef cattle bought (incl. feeders)	_____	346	826	-
Hogs bought	_____	163	43	62
Sheep bought (including feeders)	_____	337	30	-
Horses bought	_____	6	-	-
Poultry (including turkeys)	_____	111	120	50
Misc. livestock expense	_____	439	326	355
Feed	_____	2599	1883	1207
Fertilizers	_____	644	987	458
Other crop expense	_____	479	653	290
Custom work hired	_____	798	563	485
Gas, oil and grease	_____	688	809	570
Rep. tractor, truck & auto (farm share)	_____	427	413	311
Rep. and upkeep of real estate	_____	325	213	68
Rep. and upkeep of crop & gen. mach.	_____	282	312	161
Rep. and upkeep of livestock equip.	_____	123	114	83
Wages of hired labor	_____	666	1032	729
Electricity expense (farm share)	_____	261	246	175
Real est. and pers. prop. taxes	_____	665	623	85
Cash rent	_____	-	445	601
Gen. farm and insurance	_____	331	296	181
Interest paid	_____	416	391	191
Total cash operating expense	\$ _____	10222	10394	6118
Mech. power bought (farm share)	_____	602	1311	365
Crop and gen. mach. bought	_____	728	1150	1021
Livestock equipment bought	_____	230	333	51
New real estate improvements	_____	1681	2934	-
(5) Total farm purchases	\$ _____	13463	16122	7555
(6) Decrease in farm capital	_____	-	-	-
(7) Interest on farm capital	_____	1715	1738	451
(8) Unpaid family labor	_____	436	347	311
(9) Board furnished hired labor	_____	123	113	66
(10) Total farm expenses (5)+(6)+(7)+(8)+(9)	\$ _____	\$ 15737	\$ 18350	\$ 8383
(11) Labor earnings (4)-(10)	\$ _____	4957	4843	3376
(12) Ret. to cap. & fam. lab. (7)+(8)+(11)	\$ _____	7108	6928	4138

Table 6. Household and Personal Expenses for  
Those Farms Which Kept Complete Accounts of These Expenses, 1956

Items	Your farm	Average of 75 farms	15 most profitable farms	15 least profitable farms
Number of persons - family		4.6	5.0	3.8
Number of adult equiv.-family other*		3.5 .3	3.5 .3	3.1 .4
<u>EXPENSES</u>				
Food and meals bought		\$ 844	\$ 997	\$ 708
Operating and supplies		279	343	263
Furnishings and equipment		273	442	158
Clothing and clothing materials		354	435	302
Personal care and spending		92	74	69
Education and recreation		188	224	89
Gifts and special events		126	232	82
Medical and hosp. insurance		368	458	358
Church and welfare		234	238	235
Pers. share of auto expense		159	160	115
Upkeep on dwelling		50	68	88
Pers. share of tele. and elect. exp.		111	114	103
Total cash living expense		3078	3785	2570
Pers. share new autos		100	-	34
New dwelling		285	9	49
Taxes		215	434	56
Life insurance		262	366	300
Other savings and investments		457	1124	19
Total household & pers. cash exp.		4397	5718	3028
Family living from the farm		296	304	220
Total cash expenses and perquisites		4693	6022	3248
<u>RECEIPTS</u>				
Return to capital and fam. labor		\$6153	\$11004	\$3184
Income from outside investments		154	44	181
Other personal income		254	105	179

\* Hired help or others boarded.

Table 7. Family Living from the Farm, 1956

Items	Your farm	Average of 165 farms	Your farm	Average of 165 farms
No. of adult equivalents:				
Family	3.4			
Other*	3			
Whole milk	1390 qts.			\$91.99
Skim milk	70 qts.			.72
Cream	35 pts.			7.53
Cattle	602 lbs.			81.05
Hogs	277 lbs.			38.35
Sheep	-			.12
Poultry	120 lbs.			19.92
Eggs	165 doz.			50.72
Total				\$290.40

\* 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 8. The farmer's earnings are determined to a considerable extent by his accomplishments in these seven factors.

Table 8. 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	27	—	XXXXXXXXXXXXXXXXXXXX	\$3159
2 or 3	49	—	XXXXXXXXXXXXXXXXXXXX	4173
4 or 5	67	—	XXXXXXXXXXXXXXXXXXXX	4963
6 or 7	22	—	XXXXXXXXXXXXXXXXXXXX	6588

The array in table 8 indicates that it will be worth while for each cooperator to study carefully his ranking on pages 10 and 11, and learn his standing in respect to each of the above factors and the elements of strength and weakness in his farm business.

Table 9. Measures of Farm Organization and Management Efficiency, 1956

Measures used in chart on page 16	Your farm	Average	33 most profit- able farms	33 least profit- able farms
		of 165 farms		
1. Labor earnings		\$4650	\$9150	\$1091
2. Crop yields*		100	105	89
3. Percent tillable land in high ret. crops**		68.9	70.2	66.3
4. Ret. for \$100 feed to prod. livestock***		100	110	89
5. Prod. livestock units per 100 acres****		32.7	36.7	31.1
6. Size of business--work units		475	560	459
7. Work units per worker		264	280	230
8. Pow., mach., equip., & bldg. exp. per work unit		\$10.23	\$10.28	\$10.76

Items related to some of the above measures:

Index of return for \$100 feed from:

9. Dairy cattle (see pages 20 and 21)		100	109	88
10. Dual-purpose cattle		100	-	-
11. Beef cattle--breeding herd (see page 24)		100	-	76
12. Beef cattle--feeders (see page 24)		100	109	94
13. Hogs (see page 25)		100	108	92
14. Sheep--farm flock (see page 26)		100	120	97
15. Sheep--feeders		100	-	-
16. Turkeys		100	-	-
17. Chickens (see page 27)		100	110	94
18. Number of animal units		6310	81.8	66.7
19. Work units on crops		98	128	104
20. Work units on productive livestock		349	403	323
21. Other work units		28	29	32
22. Number of family workers		1.3	1.3	1.4
23. Number of hired workers		.5	.7	.6
24. Total number of workers		1.8	2.0	2.0
25. Power expense per work unit		\$5.01	\$4.75	\$5.42
26. Crop machinery expense per work unit		2.49	2.67	2.70
27. Livestock equip. expense per work unit		.66	.71	.58
28. Bldg. & fencing exp. per work unit		2.07	2.15	2.06

\* Given as a percentage of the average

\*\* Crops are marked in table 10, as (A), (B), (C), and (D). All of acres in (A) crops, one-half of acres in (B) crops, and one-fourth of acres in (C) crops are used in calculating percent of tillable land in high return crops.

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

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

Thermometer Chart

Using your figures from page 10, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 165 farms included in this summary are located between the dotted lines across the center of this page.

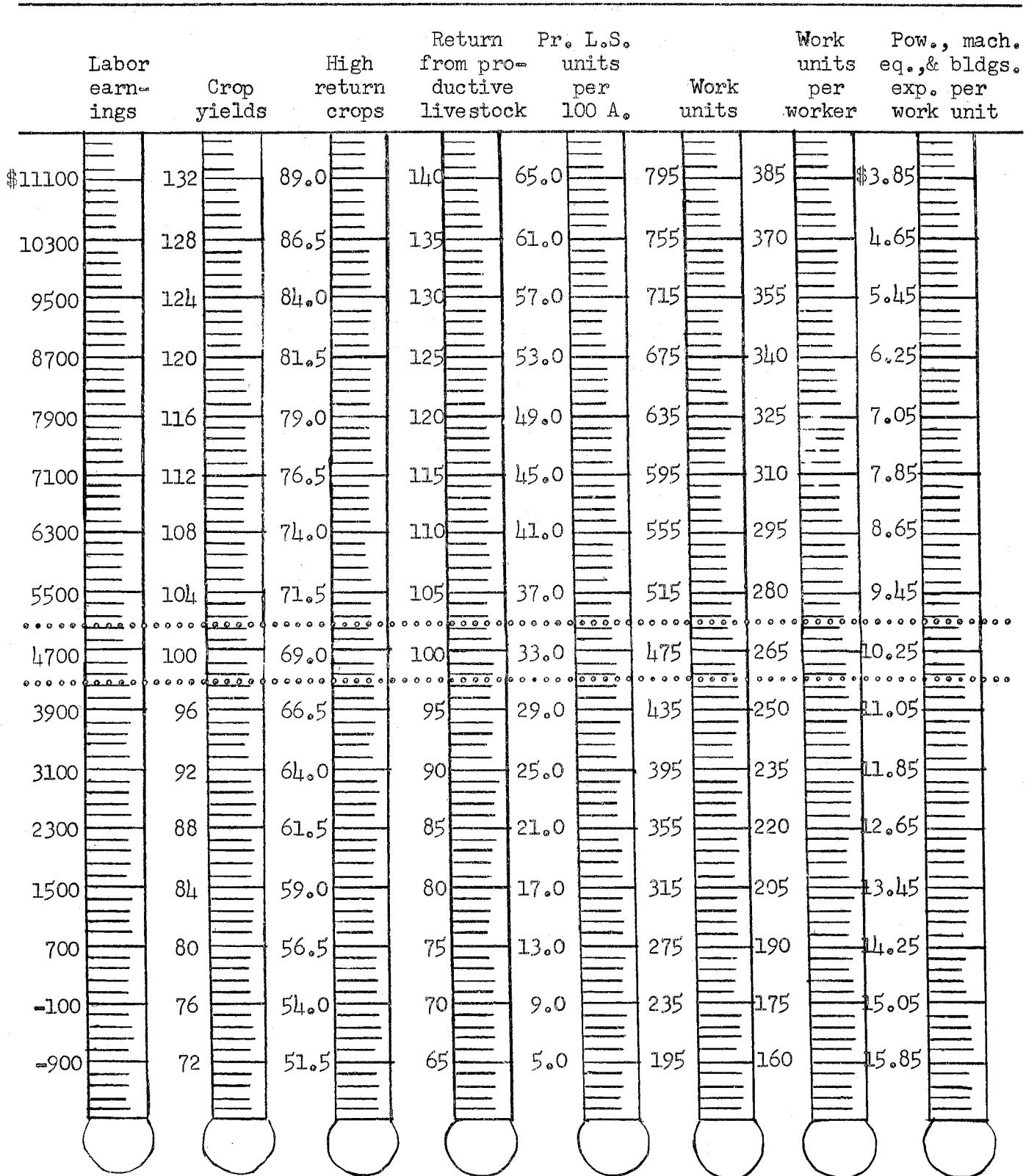


Table 10. Distribution of Acres in Farm, 1956

Crop	Crop ratings*	Number growing this crop	Your Farm	Average of 165 farms
Canning peas	A	16	—	1.8
Flax	C	7	—	.6
Barley	D	14	—	1.4
Oats and barley	D	7	—	.6
Oats	D	156	—	29.4
Wheat	D	31	—	2.5
Rye	D	5	—	.2
Total small grain and peas		161	—	36.5
Seed corn, potatoes, truck crops	A	8	—	.4
Corn grain	A	165	—	55.6
Corn silage	B	111	—	5.6
Sweet corn	B	19	—	2.6
Soybeans for grain	C	83	—	16.0
Total cultivated crops		165	—	80.2
Alfalfa hay	A	162	—	36.1
Red clover hay	B	6	—	.5
Other legumes and mixtures	C	3	—	.1
Legumes for seed	C	1	—	—
Timothy and brome hay or seed	D	5	—	.3
Annual hay	D	5	—	.4
Oat silage	D	35	—	2.2
Total tillable land in hay		164	—	39.6
Alfalfa pasture	A	124	—	17.5
Other legumes and mixtures	C	13	—	1.5
Sudan and/or rape	C	8	—	.2
Other tillable pasture	D	24	—	1.6
Total tillable land in pasture		138	—	20.8
Soil bank	A	29	—	2.4
Tillable land not cropped	D	12	—	.6
Total tillable land		165	—	180.1
Wild hay		36	—	3.1
Non-tillable pasture		111	—	22.7
Timber not pastured		68	—	7.2
Roads and waste		—	—	11.1
Farmstead		—	—	7.1
Total acres in farm		—	—	231.3
Percent land tillable		—	—	77.9
Percent tillable land in high return crops		—	—	68.8

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

Table 11. Crop Yields per Acre, 1956

Crop	Your farm	Average of farms growing each crop
Canning peas, dollars	_____	\$49.07
Flax, bu.	_____	8.7
Barley, bu.	_____	33.8
Oats and barley, bu.	_____	41.6
Oats, bu.	_____	50.1
Wheat, bu.	_____	27.3
Corn grain, bu.	_____	78.6
Corn silage, tons	_____	12.5
Sweet corn, tons	_____	4.4
Soybeans, bu.	_____	26.2
Alfalfa hay, tons	_____	2.9
Red clover hay, tons	_____	2.1
Other legumes and mixtures, tons	_____	2.2
Timothy or brome hay, tons	_____	1.6
Annual hay	_____	3.0
Oat silage, tons	_____	6.6
Wild hay, tons	_____	.2

Table 12. Average Price of Feeds, 1956

Item	Value	Item	Value
Ear corn, per bu.	\$1.25	Alfalfa hay, per ton	\$18.50
Oats, per bu.	.63	Red or alsike clov. hay, /ton	15.60
Barley, per bu.	.94	Timothy, per ton	10.95
Wheat, per bu.	2.08	Wild hay, per ton	9.25
Bran, per cwt.	2.55	Corn silage, per ton	6.00
Linseed oil meal, per cwt.	3.70	Pasture, per mc. per cow	2.50
Meat scraps, per cwt.	4.60	Skim milk per cwt.	.32

Table 13. Power and Machinery Expenses per Crop Acre, 1956

Items	Your farm	Average of 165 farms	33 most profitable farms	33 least profitable farms
Crop acres per farm	_____	159	206	172
Tractor and horse exp. per crop acre	_____	\$6.24	\$5.83	\$6.28
Crop & gen. mach. exp. per crop acre	_____	7.23	7.03	7.05

TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in table 14. This differs from the "return over feed" shown in the enterprise statement in that it is the total for each class of livestock instead of a return "per head," "per unit," or "per 100 pounds." These data indicate the relative importance of different classes of livestock as a source of income and as a market for feed. The total return is the same as the returns and net increases shown on page 5. The value of milk consumed by calves is included in the total returns from dairy 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 14. Total Feed Costs and Returns from Your Livestock Enterprises, 1956

	Dairy or dual purpose cattle		Beef breeding herd	
	Cows	Other	All	
Total returns	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____
	Feeder Cattle	Hogs	Farm Flock of sheep	Chickens
Total returns	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____

Feed is the largest single item of cost for all classes of livestock. However, the proportion of the total cost represented by feed varies considerably between classes of livestock. Feed makes up approximately 45 percent of the total costs of maintaining dairy cattle and poultry, 50 percent in the case of a farm flock of sheep, and 75 to 90 percent for hogs, feeder cattle and feeder lambs. Consequently, it is necessary to secure a relatively higher return over feed from dairy cattle and poultry than from the other livestock enterprises in order to be able to cover all the costs other than feed.

Table 15. Feed Costs and Returns from Hogs, 1956

Items	Your farm	Average of 125 farms	25 farms highest in returns above feed	25 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.:				
Corn	_____	294	251	357
Small grain	_____	100	72	165
Commercial feeds	_____	52	39	70
Total concentrates	_____	446	362	592
Skim milk, buttermilk and whey	_____	18	41	30
Feed cost per cwt. hogs produced:				
Concentrates	\$ _____	\$11.11	\$8.81	\$14.85
Skim milk, buttermilk and whey	_____	.04	.13	.12
Pasture	_____	.11	.08	.10
TOTAL FEED COSTS	\$ _____	\$11.26	\$9.02	\$15.07
Net increase in value per cwt. hogs produced	\$ _____	\$15.87	\$16.69	\$15.10
RETURNS ABOVE FEED COST PER CWT.				
HOGS PRODUCED	\$ _____	\$4.61	\$7.67	\$ .03
RETURNS FOR \$100 OF FEED	\$ _____	\$ 149	\$ 187	\$ 108
Price received per cwt. hogs sold	\$ _____	\$14.45	\$14.54	\$14.06
No. of spring litters raised	_____	11.7	10.0	9.4
No. of fall litters raised	_____	7.5	8.1	5.6
Total no. of litters raised	_____	19.2	18.1	15.0
No. of pigs born per litter	_____	8.8	8.8	8.1
No. of pigs weaned per litter	_____	7.1	7.2	6.4
Pounds of hogs produced	_____	32833	30223	26548

Table 16. Factors of Cost and Returns from Dairy Cows, 1956

Items	Your farm	Average of 133 farms	highest in butterfat per cow	lowest in butterfat per cow
Pounds of butterfat per cow	340	421	257	
% of butterfat in milk	3.7	3.7	3.6	
Price rec. per lb. B.F. sold (\$)	93.1	91.9	88.7	
As manufacturing cream (cents)	65.1	64.3	65.4	
Other (cents)	94.4	93.1	91.1	
Feeds per cow, lbs.:				
Corn	1655	2117	1564	
Small grain	825	1098	664	
Commercial feeds	392	536	242	
Legume hay	4892	4748	4858	
Other hay	415	576	291	
Fodder and stover	27	51	-	
Total concentrates	2872	3751	2470	
Total hay and fodder	5334	5375	5149	
Silage	6510	7335	6342	
Feed cost per cow:				
Concentrates	\$67.32	\$88.74	\$56.72	
Roughages	67.50	69.89	64.76	
Pasture	11.56	11.75	11.98	
TOTAL FEED COST	\$146.38	\$170.38	\$133.46	
Value of produce per cow:				
Dairy product sales	\$297.04	\$370.65	\$207.27	
Dairy produce used in home	6.03	5.56	9.17	
Milk to livestock	8.93	9.93	12.08	
Net increase in value of cows	-8.31	-6.88	-6.56	
TOTAL VALUE PRODUCED	\$303.69	\$379.26	\$221.96	
RETURNS ABOVE FEED COST PER COW	\$157.31	\$208.88	\$ 88.50	
RETURNS FOR \$100 OF FEED	\$210.00	\$228.00	\$172.00	
Feed cost per lb. B.F. (cents)	43.1	40.5	51.9	
Number of cows*	23.8	23.0	18.9	

\* 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, 1956

Items	Your farm	Average of 133 farms	27 farms highest in butterfat per cow	27 farms lowest in butterfat per cow
Feed per head, lbs.:				
Concentrates	—	662	864	549
Hay and fodder	—	2420	2216	2410
Silage	—	2061	2258	2484
Skim milk	—	100	86	275
Whole milk	—	295	283	343
TOTAL FEED COSTS PER HEAD	—	\$57.06	\$59.50	\$57.42
Net inc. in value of other dairy cattle	—	68.57	80.83	63.39
RETURNS ABOVE FEED COST PER HEAD	—	11.51	21.33	5.97
RETURNS FOR \$100 OF FEED	—	\$130.00	\$148.00	\$122.00
Number of head of other dairy cattle	—	24.7	26.0	19.2

Table 18. Feed Costs and Returns from All Dairy Cattle, 1956

Items	Your farm	Average of 133 farms	27 farms highest in butterfat per cow	27 farms lowest in butterfat per cow
Feeds per animal unit, lbs.:				
Concentrates	—	2327	2983	1970
Hay and fodder	—	5128	4982	4975
Silage	—	5685	6325	5839
TOTAL FEED COSTS PER ANIMAL UNITS	—	\$128.88	\$144.19	\$118.37
Value of produce per animal unit:				
Dairy products	—	\$199.14	\$239.72	\$141.83
Net increase in val. of dairy cattle	—	40.72	53.24	37.47
TOTAL VALUE PRODUCED	—	\$239.86	\$292.96	\$179.30
RETURNS ABOVE FEED PER ANIMAL UNIT	—	\$110.98	\$148.77	\$ 60.93
RETURNS PER \$100 OF FEED	—	\$189.00	\$207.00	\$155.00
Animal units of dairy cattle	—	36.3	36.2	28.7

Table 19. Feed Costs and Returns from Beef Cattle. 1956

Items	Your farm	Average of all farms
Beef breeding herd: No. of farms:		13
Feeds per animal unit, lbs.:		
Concentrates		946
Legume		3741
Other hay		310
Silage		7692
Feed Cost per animal unit:		
Concentrates	\$	\$23.80
Roughages		56.79
Pasture		17.94
TOTAL FEED COST	\$	\$98.53
Value of produce per animal unit:		
Dairy products	\$	\$ 3.26
Net increase in value of animal		67.97
TOTAL VALUE PRODUCED	\$	\$71.23
RETURNS ABOVE FEED COST PER ANIMAL UNITS	\$	-27.30
RETURNS FOR \$100 OF FEED	\$	\$79.00
Lbs. beef produced		12219
Number of cows and herd bulls		20.8
Number of other beef cattle		30.2
Number of animal units in the herd		25.7
Feeding Cattle: No. of farms:		27
Feeds per cwt. beef produced, lbs.:		
Corn		420
Small grain		41
Commercial feeds		61
Legume hay		453
Other hay		35
Total concentrate		522
Total hay and fodder		488
Silage		667
Feed cost per cwt. beef produced		
Concentrates	\$	\$12.03
Roughages		6.40
Pasture		.52
TOTAL FEED COSTS	\$	\$18.95
Net increase in value of feeders		19.19
RETURNS ABOVE FEED COST PER CWT. BEEF PROD.		.24
RETURNS FOR \$100 OF FEED	\$	\$107.00
Price paid per cwt. beef bought		\$ 17.28
Price received for feeder cattle sold		18.13
Number of animal units		40.5
Pounds of beef produced		20707

Table 20. Feed Costs and Returns from a Farm Flock of Sheep. 1956

Items	Your farm	Average of 26 farms	13 farms highest in returns above feed	13 farms lowest in returns above feed
Feeds per head,* lbs.:				
Concentrates	110	77	142	
Legume hay	427	369	486	
Other hay	19	28	11	
Fodder and stover	1	1	-	
Silage	179	134	224	
Feed Cost per head:				
Concentrates	\$ 2.43	\$ 1.70	\$ 3.16	
Roughages	4.58	4.01	5.15	
Pasture	2.37	2.46	2.28	
TOTAL FEED COSTS	\$ 9.38	\$ 8.17	\$10.59	
Value of produce per head:				
Wool	\$ 3.95	\$ 4.13	\$ 3.77	
Net increase in value of sheep	9.50	11.69	7.31	
TOTAL VALUE PRODUCED	\$13.45	\$15.82	\$11.08	
RETURNS ABOVE FEED COST PER HEAD	\$ 4.07	\$ 7.65	\$ .49	
RETURNS FOR \$100 OF FEED	\$157.00	\$203.00	\$111.00	
Price per cwt. of lambs sold	\$ 19.16	\$19.77	\$18.49	
Price per lb. wool sold (cts.)	53.7	54.3	53.2	
Pounds of wool per sheep sheared	9.5	9.8	9.1	
Number of ewes kept for lambing	31	25	37	
Per cent lamb crop**	101	107	94	
Per cent death loss**	8.1	9.6	6.5	
Pounds of sheep produced	2537	2041	3034	
Number of head of sheep*	45.5	33.2	57.7	

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

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

Table 21. Feed Costs and Returns from Chickens. 1956\*

Items	Your farm	Average of 114 farms	23 farms highest in return above feed	23 farms lowest in return above feed
Feed per hen, lbs.:				
Grain		90	83	93
Commercial feeds		47	41	54
Total concentrates		137	124	147
TOTAL FEED COST PER HEN	\$	\$4.11	\$3.63	\$4.44
Value of produce per hen:				
Eggs sold and used in house	\$	\$5.53	\$6.57	\$4.19
Net increase in value of chickens		.04	.30	-.05
TOTAL VALUE PRODUCED	\$	\$5.57	\$6.87	\$4.14
RETURNS ABOVE FEED COST PER HEN	\$	\$1.46	\$3.24	-\$3.30
RETURNS FOR \$100 OF FEED	\$	\$141.00	\$197.00	\$93.00
Price rec'd. per doz. eggs sold (cts.)		33.0	34.1	32.1
Eggs laid per hen		203	233	159
Ave. No. of hens on farm during year		333	356	279
Per cent of hens that are pullets		75	70	67
Per cent death loss of hens		12	10	12
Number of chicks started:				
Pullets		362	358	344
Straight run		7	4	-
Cockerels		41	38	44
Lbs. chickens produced		1212	1220	1123

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

Table 22. Feed Cost and Returns from Laying Hens. 1956

Items	Your farm	Average of 40 farms	10 farms highest in eggs per hen	10 farms lowest in eggs per hen
Feed per hen, lbs.:				
Grain		78	80	71
Commercial feeds		35	39	32
Total concentrates		113	119	103
TOTAL FEED COST PER HEN	\$	\$3.25	\$3.54	\$2.85
Value of produce per hen:				
Eggs sold and used in home	\$	\$5.47	\$6.38	\$4.09
Less depreciation and death loss		-.82	-.96	-.60
TOTAL VALUE PRODUCED	\$	\$4.65	\$5.42	\$3.49
RETURN ABOVE FEED COST PER HEN	\$	\$1.40	\$1.88	\$.64
RETURN FOR \$100 OF FEED	\$	\$143.00	\$153.00	\$122.00
Eggs laid per hen		202	242	153
Price rec'd. per doz. eggs sold (cts.)		32.4	31.7	32.0
Ave. No. hens on farm during year		309	271	246
No. of hens on hand begin. of year		353	296	300
Per cent death loss		11	10	10
Per cent of hens that are pullets		75	85	61

Table 23. Feed Costs and Returns from Chicks. 1956

Items	Your farm	Average of 30 farms
Feed per 100 chicks raised, lbs.:		
Grain	_____	1460
Commercial feeds	_____	1120
Total concentrates	_____	2580
Total feed cost per 100 chicks raised	\$ _____	\$86.12
Net increase in value per 100 chicks	_____	80.85
RETURN OVER FEED COST PER 100 CHICKS	\$ _____	\$-5.27
RETURN FOR \$100 OF FEED	\$ _____	\$94.00
Number of chicks bought:		
Pullets	_____	413
Cockerels	_____	65
Price paid per 100 chicks bought:		
Pullets	\$ _____	\$47.13
Cockerels	_____	4.04
Number of chicks raised	_____	423
Per cent death loss	_____	10.7
Price rec'd. per pound sold (cents)	_____	20.6

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 24.

Table 24. 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,  $1\frac{1}{4}$  beef cows or bull, 1 feeder steer or heifer,  $3\frac{1}{3}$  other beef cattle, 7 sheep,  $1\frac{1}{4}$  lambs,  $2\frac{1}{2}$  hogs, 5 pigs, 50 hens or 1,100 pounds of turkeys produced.

Summary by Years

	Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-49	Average 1950-53	1954	1955	1956
Number of farms	148	140	149	177	169	161	166	165	165
Acres in farm	170	199	218	227	223	225	228	226	231
Crop acres in farm	116	136	147	148	148	155	154	156	159
Farm inventory	\$24574	\$19851	\$20286	\$25912	\$31402	\$42313	\$44063	\$45086	\$46305
<b>Farm earnings</b>									
<b>FARM EXPENSES</b>									
Cattle bought	\$ 141	\$ 83	\$ 213	\$ 441	\$ 485	\$ 954	\$ 696	\$ 750	\$ 947
Hogs bought	85	52	72	154	194	191	245	139	177
Sheep bought	6	14	94	64	64	31	53	155	89
Poultry bought	37	41	80	142	176	155	152	145	120
Horses bought	36	33	43	32	14	7	4	6	5
Misc. livestock expense	66	64	94	124	228	346	411	433	476
Misc. crop expenses	186	160	222	301	701	956	1224	1344	1280
Feed bought	440	313	535	1273	1954	2200	2406	2348	2491
Custom work hired	-	-	-	165	401	536	618	649	688
Power mach. (new & exp.)	399	321	559	717	1562	2062	1892	2078	2250
Mach. and equip. (new)	190	122	281	392	845	1272	1065	827	1195
Mach. and equip. (upkeep)	72	55	67	144	280	348	356	392	432
Bldgs., fencing (new)	130	81	245	331	778	1041	751	747	807
Bldgs., fencing (upkeep)	52	32	79	188	323	379	324	263	305
Hired labor	272	243	398	585	849	871	799	828	878
Taxes and insurance	298	313	281	303	449	715	820	844	921
General farm expense	30	28	35	52	93	132	149	146	162
Total farm purchases	\$2,440	\$1,955	\$3,298	\$5,408	\$9,396	\$12,196	\$11,965	\$12,094	\$13,223
Decrease in farm capital	-	230	-	-	-	-	-	862	-
Board to hired labor	102	87	145	158	174	176	126	140	130
Interest on farm capital	1228	992	1014	1296	1570	2116	2203	2254	2315
Unpaid family labor	358	261	239	326	511	492	514	543	526
Total farm expenses	\$4,128	\$3,525	\$4,696	\$7,188	\$11,651	\$14,980	\$14,808	\$15,893	\$16,194

Summary by Years (continued)

	Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-49	Average 1950-53	1954	1955	1956
<b>FARM RECEIPTS</b>									
Cattle	\$ 753	\$ 431	\$ 713	\$ 1335	\$ 2022	\$ 3034	\$ 2769	\$ 2688	\$ 2781
Dairy products	1662	1188	1451	2138	4080	4649	4916	5145	5934
Hogs	1164	793	1074	2517	3598	4304	4051	3525	3717
Sheep and wool	52	60	200	186	232	167	188	327	237
Poultry	140	166	381	629	672	374	274	349	197
Eggs	275	243	372	751	1319	1343	1115	1350	1276
Horses	30	27	55	34	20	14	12	9	15
Corn	37	62	153	121	335	648	1238	1682	2004
Small grain	241	177	357	278	659	531	352	366	378
Other crops	163	155	174	455	819	824	970	1226	1390
Income from labor off farm	102	118	168	141	178	177	204	287	268
Agric. adj. payments	0	74	230	254	58	61	52	43	59
Miscellaneous	134	138	247	282	470	658	483	471	642
Total farm sales	\$4,753	\$3,632	\$5,575	\$9,121	\$14,462	\$16,784	\$16,624	\$17,468	\$18,898
Increase in farm capital	617	-	524	921	1,411	2,134	988	-	1,656
Family living from farm	325	232	273	566	715	692	334	318	290
Total farm receipts	\$5,695	\$3,864	\$6,372	\$10,608	\$16,588	\$19,610	\$17,946	\$17,786	\$20,844
Total farm expenses	4,128	3,525	4,696	7,188	11,651	14,980	14,808	15,893	16,194
Operator's earnings	1,567	339	1,676	3,420	4,937	4,630	3,138	1,893	4,650
<b>MISCELLANEOUS ITEMS</b>									
Yield per acre, corn (bu.)	44.8	43.4	47.2	55.7	47.6	57.4	69.6	67.5	78.6
Yield per acre, barley (bu.)	36.0	26.2	28.7	24.8	30.8	28.5	31.4	37.3	33.8
Yield per acre, oats (bu.)	46.0	40.0	43.4	44.2	48.2	44.4	46.4	55.3	50.1
Yield per acre, alfalfa (tons)	3.0	2.3	2.3	2.4	2.3	2.7	2.8	3.0	2.9
Percent high return crops	31.9	35.8	41.0	43.3	50.9	62.2	65.1	68.0	68.9
AU livestock per 100 acres	19.2	20.6	19.3	24.5	22.8	28.2	31.5	33.9	32.7
Number of work units	599	747	777	670	601	555	455	472	475
Work units per worker	310	338	341	305	300	292	253	268	264
Expenses per work unit	\$1.76	\$1.26	\$1.37	\$2.35	\$4.69	\$7.29	\$11.76	\$9.87	\$10.23
Number of milk cows	14.2	17.8	17.8	17.6	17.0	17.4	18.9	19.0	19.6

Summary by Years (continued)

	Average 1928-29	Average 1930-34	Average 1935-39	Average 1940-44	Average 1945-49	Average 1950-53	1954	1955	1956
<u>Misc. Items (continued)</u>									
Number of litters of pigs	9.3	10.8	9.5	14.4	11.7	13.7	12.6	15.7	14.5
Pounds of hogs produced	12,706	15,153	13,438	21,586	18,505	17,129	19,380	24,852	24,220
Number of head of sheep	7.0	13.5	18.8	15.8	10.8	10.2	11.2	12.0	9.1
Number of hens	136	169	182	222	235	219	220	238	236
Pounds of BF per dairy cow	244	240	238	252	278	307	311	320	340
Pounds of BF per dual pur. cow	-	-	-	185	181	194	170	185	235
Pigs weaned per litter	6.3	6.1	6.4	6.2	6.5	6.7	6.9	6.9	7.1
Number of eggs laid per hen	95	114	131	145	177	194	196	204	203
<u>PRICE RECEIVED PER:</u>									
Pounds BF sold as cream	\$.52	\$.28	\$.34	\$.47	\$.80	\$.77	\$.68	\$.64	\$.65
Cwt. hogs sold	8.92	4.98	8.26	10.93	19.36	19.16	21.08	14.45	14.45
Cwt. feeder cattle sold	-	-	-	11.55	20.56	27.70	20.30	18.45	18.13
Pounds wool sold	.36	.16	.25	.39	.43	.60	.50	.40	.54
Dozen eggs sold	.28	.16	.19	.27	.39	.39	.31	.34	.33
Pounds turkey sold	-	-	.20	.27	.38	.37	-	-	-
<u>RETURN ABOVE FEED COST PER:</u>									
Dairy cow	\$76.50	\$28.15	\$49.95	\$81.83	\$161.27	\$166.69	\$117.56	\$123.74	\$157.31
Dual purpose cow	-	-	-	51.55	104.25	89.66	14.91	38.40	87.07
Cwt. hogs produced	1.50	.48	2.98	3.93	6.09	6.44	6.58	1.22	4.61
Head of sheep	5.50	.81	2.82	4.63	7.13	7.56	1.94	2.35	4.07
Hen	1.82	.99	1.12	1.82	2.11	1.96	.18	2.11	1.46
Cwt. turkeys produced	-	-	10.81	13.54	14.58	12.02	-	-	-
<u>FEED COST PER:</u>									
Dairy cow	\$69.50	\$47.30	\$44.93	\$63.13	\$123.22	\$142.60	\$142.54	\$148.41	\$146.38
Dual purpose cow	-	-	-	52.08	84.51	100.20	101.09	112.94	106.14
Cwt. hogs produced	7.66	4.21	5.10	7.52	13.23	13.10	12.36	10.96	11.26
Head of sheep	2.82	2.23	2.62	3.30	5.17	7.23	8.00	8.27	9.38
Hen	1.62	1.13	1.57	2.38	4.39	4.78	4.70	4.03	4.11
Cwt. turkeys produced	-	-	8.47	12.86	19.69	19.58	-	-	-
<u>PRICE OF FEED:</u>									
Corn (per bu.)	\$.70	\$.45	\$.59	\$.71	\$1.29	\$1.30	\$.1.34	\$.1.23	\$.1.25
Barley (per bu.)	.60	.42	.49	.59	1.31	1.19	1.02	.93	.94
Oats (per bu.)	.48	.26	.28	.46	.75	.75	.70	.61	.63
Bran (per cwt.)	1.70	.98	1.22	1.80	2.76	3.11	2.85	2.65	2.55
Oilmeal (per cwt.)	3.00	1.96	2.12	2.30	3.84	4.19	4.20	4.10	3.70
Alfalfa (per ton)	14.75	11.10	9.30	9.90	18.40	18.62	17.00	18.00	18.50

Foot note for pages 22, 23, and 24.

The values of farm real estate in 1931 were reduced approximately 25 percent from 1928-1930 values. The values in 1932 were reduced about 29 percent from the 1931 values. Only land was affected by the reduction in 1931, but in 1932 buildings and improvements were cut 25 percent. In 1936 the values of land were adjusted upward 10 percent. The value of dairy cows was also adjusted downward in 1932 and upward in 1936. The capital losses were not included in the inventory decreased in the financial statement but the changes in valuation resulted in variations in the interest charge. No changes in the basis of inventory valuations were made in the years 1933 to 1935 and 1937 to 1956.

The charges for unpaid family labor and board for hired labor were also changed from year to year. The rates used for the period 1928 to 1953 were as follows:

<u>Year</u>	<u>Unpaid family labor</u>	<u>Board for hired labor</u>	<u>Year</u>	<u>Unpaid family labor</u>	<u>Board for hired labor</u>
1928-30	\$60	\$20	1941	\$50	\$20
1931	40	15	1942	60	25
1932-34	30	10	1943	75	25
1935	40	15	1944	85	25
1936	43	18	1945	90	25
1937-40	45	18	1946	100	30
			1947-55	125	36
			1956	130	38

Several changes were made in the 1940 records. The value of the house, which had previously been omitted from the farm business, was included and a rental charge equal to 10 percent of the average value of the house was included with the farm perquisites. The standards used in the calculation of work units were changed in accordance with the new information made available. This latter change also affected the work units per worker and the factor of expense per work unit. The acres in protected woodlots, roads, waste, and farmstead were omitted from the acreage used in the calculation of amount of livestock per 100 acres. Several new livestock statements were added. Cattle were classified into two groups: "specialized dairy cattle" and "dual purpose cattle." Statements for beef breeding cattle, feeder cattle, and feeder sheep were also included.

The crop ratings used in calculating the percentage of the tillable land in high return crops were changed considerably in 1944 and the animal unit equivalents were changed in 1951.

The standards used in the calculation of work units were changed in 1953. Also the value of the house, which had been included in the investment of the farm buildings since 1940, was omitted from all the records except the net worth statements.

These adjustments should be considered in comparing 1956 results with previous years.