

1965 ANNUAL REPORT

VOCATIONAL AGRICULTURE FARM MANAGEMENT PROGRAM

MANKATO AREA OF SOUTHERN MINNESOTA

UNIVERSITY OF MINNESOTA
INSTITUTE OF AGRICULTURE

and

MINNESOTA DEPARTMENT OF EDUCATION
VOCATIONAL DIVISION

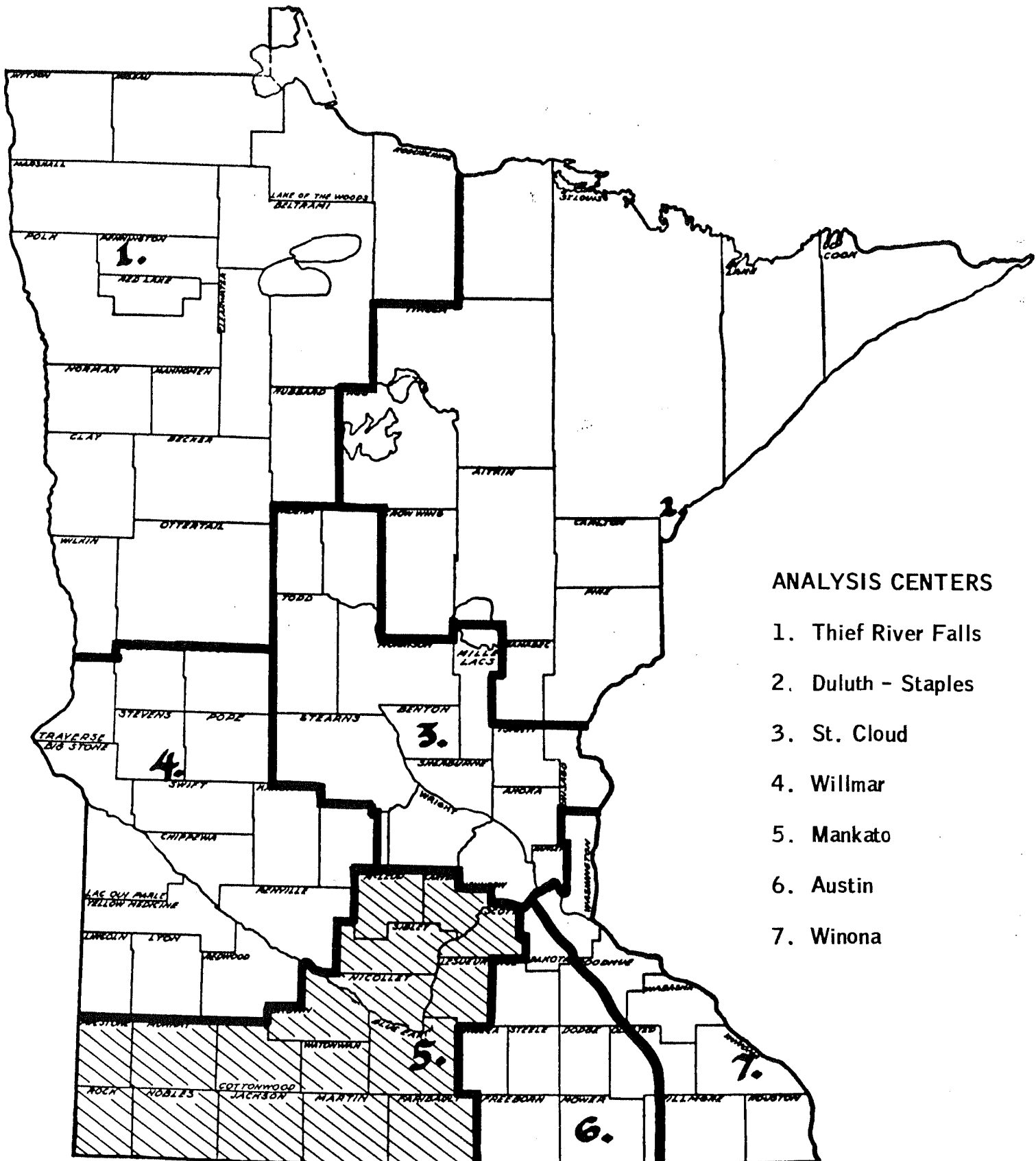
and

AREA VOCATIONAL TECHNICAL SCHOOL
MANKATO, MINNESOTA

Co-operating

APRIL 1966

VO-AG FARM MANAGEMENT AREAS



Shaded Area Served By The Mankato Analysis Center

1965 Report of the Vocational Agriculture Farm Management
Program in the Mankato Area of Southern Minnesota

Del Hodgkins

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INTRODUCTION

The Mankato Area Vocational-Technical School in cooperation with the Minnesota Department of Education Vocational Division, and the University of Minnesota Agricultural Education Department, operate and maintain the Vocational Agriculture Farm Management Program in the Mankato Area of Southern Minnesota. The program was initiated in 1955, thus making this the eleventh annual farm management report. The area served by the Mankato analysis center is indicated on the map inside the front cover.

The purpose of the Vo-Ag Farm Management Program is to provide farmers and teachers of agriculture with farm record analysis information which will be helpful to them in studying farming operations and factors of management involved in successful farm operation. Each participating farmer is provided a copy of this report which lists his individual farm record analysis figures along with the averages of all farms, the high and low earnings farms. Each participating farmer pays an annual fee which covers clerical costs, data processing fees, and the cost of publishing the report.

The analysis of the records and preparation of the reports for the Mankato Area are done under the direction of Delbert Hodgkins, Vo-Ag Program Coordinator at the Mankato School. The program is supervised locally by William J. Nigg, Superintendent of Schools, and F. G. Kalin, Director of Vocational and Adult Education at Mankato. Clerical assistants for this project were Mrs. Gertrude Gaarder and Mrs. Linda Wilker. Typist for the project was Mrs. Donald Schull. Cooperating agencies are represented by G. R. Cochran and S. K. Wick of the State Department of Education, and Dr. Milo J. Peterson of the University of Minnesota Agricultural Education Department.

We are indebted to Dr. Truman Nodland for his advise and assistance in setting up this program and for many years of service rendered to vocational agriculture. Dr. Nodland and his associates in the Agricultural Economics Department of the University of Minnesota have been most cooperative on this and other programs.

In keeping with the times and to speed the analysis procedure automatic data processing methods are used in the analysis of the farm records. Data is extracted from the individual farm record books at the Mankato Center and submitted to the Agricultural Records Cooperative at Madison, Wisconsin for processing by means of an IBM 1410 computer. Results of the individual farm analysis are returned to the farmer as soon as his analysis is completed. Averages and indexes found in this report are computed after all forms have been processed.

SCHOOLS PARTICIPATING

This report deals with farmers enrolled in 20 schools in the Mankato area. The following tabulation shows the number of 1965 records submitted from each school.

Amboy	1	Mapleton	3
Blue Earth	3	Minnesota Lake	2
Fairmont	3	Montgomery	1
Howard Lake	1	New Ulm	24
Jackson	35	St. James	6
Jasper	2	St. Peter	3
Keister	2	Slayton	6
LeCenter	7	Wells	3
Madelia	3	Windom	7
Mankato	9	Worthington	1
		TOTAL	<u>122</u>

Records kept in the Minnesota Farm Account Book by all participating farmers included farm inventories, cash receipts and expenses, feed consumed by livestock, family living secured from the farm, household and personal expenses and receipts, and the operators liabilities and assets other than farm capital.

FARM INVENTORIES

The Capital investment per farm varied from \$19,682 to \$443,740. The average investment for all farms included in this report and for the high 20% and the low 20% in labor earnings is shown in Table 1.

FARM EARNINGS

Labor earnings is a measure of the relative financial success of a farm as compared with other farms and represents the returns above all farm expenses and a charge for the use of the farm capital.

There are two methods of computing labor earnings. Table 2 shows the earnings statement on a cash basis and Table 3 shows the earnings on an enterprise or accrual basis. The principal difference in the two statements is the method of handling the net increase or decrease in the value of farm capital. In the cash statement the net increase or decrease in farm capital is entered as one item. In the enterprise statement the net change in the inventory has been included in each enterprise in order to compute "total returns and net increases," or "total expenses and net decreases" by enterprises.

RETURNS TO CAPITAL

The return to capital and family labor represents the amount available to the operator for living expenses, payment on indebtedness and savings. These figures are found in Table 4 and Table 6.

TABLE 1 - SUMMARY OF FARM INVENTORIES - 1965

Items	Your Farm		Average of 99 Farms	
	Jan. 1 - -	Dec. 31	Jan. 1 - -	Dec. 31
Size of farm (acres)			317	
Size of Business (work units)*			468	
Dairy cattle	\$		\$ 1,506	\$ 1,375
Other dairy cattle			570	705
Beef cattle (incl. feeders)			5,076	6,708
Hogs			3,722	6,240
Sheep (incl. feeders)			89	91
Poultry (incl. turkeys)			169	184
Total Productive Livestock	\$		\$11,132	\$15,303
Crops (Seed and Feed)	\$		\$10,272	\$ 9,638
Auto and Truck (Farm Share)			1,191	1,484
Tractors and Motors			2,872	3,664
Crop and General Machinery			4,592	5,318
Livestock Equipment			1,442	1,419
Total Machinery and Equipment	\$		\$10,097	\$11,885
Land	\$		\$57,463	\$58,163
Buildings - Fences - Etc.			15,626	15,304
TOTAL FARM CAPITAL	\$		\$104,590	\$110,293

Items	20 Most Profitable		20 Least Profitable	
	Jan. 1 - -	Dec. 31	Jan. 1 - -	Dec. 31
Size of farm (acres)	397		277	
Size of Business (work units)	634		385	
Dairy Cattle	\$ 530	\$ 312	\$ 2,644	\$ 2,500
Other Dairy Cattle	165	164	827	1,086
Beef Cattle (incl. feeders)	9,110	12,498	2,756	5,407
Hogs	8,512	14,524	1,222	1,928
Sheep (incl. feeders)	145	134	24	44
Poultry (incl. turkeys)	35	27	110	102
Total Productive Livestock	\$18,497	\$27,659	\$ 7,583	11,067
Crops (Seed and Feed)	\$16,667	\$17,669	\$ 7,756	6,198
Auto and Truck (Farm Share)	1,499	1,980	976	1,237
Tractors and Motors	3,730	5,206	2,922	3,762
Crop and General Machinery	5,689	7,405	3,841	4,239
Livestock Equipment	2,643	2,607	977	1,066
Total Machinery and Equipment	\$13,561	\$17,198	\$ 8,716	\$10,304
Land	\$70,818	\$71,812	\$52,539	\$53,112
Buildings - Fences - Etc.	22,808	22,423	15,906	15,322
TOTAL FARM CAPITAL	\$142,351	\$156,761	\$92,500	\$96,003

*See page 10 for an explanation of "work units."

TABLE 2 - SUMMARY OF FARM EARNINGS (CASH STATEMENT) - 1965

Item	Your Farm	Average of - 99 Farms	20 -- Most Profitable Farms	20 - Least Profitable Farms
FARM RECEIPTS:				
Dairy Cattle	\$	\$ 711	\$ 482	\$ 1,188
Dairy Products		2,422	501	3,979
Beef Cattle (Incl. Feeders)		8,865	19,527	3,589
Hogs		11,774	26,901	4,038
Sheep and Wool		102	162	19
Poultry (Incl. Turkeys)		42	6	27
Eggs		779	137	310
Corn		4,184	4,796	2,685
Small Grain		124	115	172
Diverted Acre Income		1,967	2,523	1,626
Other Crops		4,229	5,257	3,349
Gas Tax Refunds + Cap. Assets Sold		1,012	2,571	320
Income From Work Off The Farm		542	753	256
Miscellaneous Farm Income		364	408	295
(1) Total Farm Sales		\$37,117	\$ 64,139	\$ 21,853
(2) Increase In Farm Capital		5,703	14,410	3,503
(3) Family Living From The Farm		206	261	206
(4) Total Farm Receipts (1+2+3)		\$43,026	\$ 78,810	\$ 25,562
FARM EXPENSES:				
Dairy Cattle Bought		\$ 214	\$ 84	\$ 636
Beef Cattle Bought (Incl. Feeders)		4,785	11,135	2,851
Hogs Bought		911	1,466	355
Sheep Bought		7	21	12
Poultry Bought (Incl. Turkeys)		205	12	40
Miscellaneous Livestock Expense		520	830	418
Feed Bought		6,168	11,836	3,306
Fertilizer		1,835	3,605	847
Other Crop Expense		1,502	2,059	1,327
Custom Work Hired		675	920	587
Gas, Oil, Grease Bought (Farm Share)		1,190	1,566	936
Repairs For Tractors, Trucks and Autos (Farm Share)		837	967	784
Repair + Upkeep Of Farm Real Estate		334	432	373
Repair + Upkeep Of Crop + Gen. Mach.		600	919	551
Repair + Upkeep Of Livestock Equip.		177	295	96
Wages Of Hired Labor		618	915	455
Electricity Expense		290	398	259
Personal Property + Real Est. Taxes		1,669	2,107	1,368
Telephone and General Farm Expense		394	494	315
(5) Total Cash Operating Expense		\$22,931	\$ 40,061	\$ 15,516
(6) Mech. Power Bought (Farm Share)		2,166	3,364	2,103
(7) Crop and Gen. Machinery Bought		1,956	3,379	1,474
(8) Livestock Equipment Bought		264	532	283
(9) New Real Estate + Improvements		2,001	4,234	1,032
(10) Total Farm Purch. (5) thru (9)		29,318	51,570	20,408
(11) Decrease In Farm Capital				
(12) Interest On Farm Capital		5,372	7,478	4,713
(13) Unpaid Family Labor		402	713	254
(14) Board Furnished Hired Labor		34	77	26
(15) Total Farm Exp. (10 - 14)		\$35,126	\$ 59,838	\$ 25,401
(16) Labor Earnings (4 minus 15)		\$ 7,900	\$ 18,972	\$ 161

TABLE 3 - SUMMARY OF FARM EARNINGS (ENTERPRISE STATEMENT) 1965

Item	Your Farm	Average of - 99 Farms	20 -- Most Profitable Farms	20 - Least Profitable Farms
<u>RETURNS AND NET INCREASES</u>				
Dairy Cattle		\$ 2,411	\$ 530	\$ 3,913
Other Dairy Cattle		720	307	1,203
Beef Breeding Cattle		179		322
Feeder Cattle		5,496	11,808	2,823
Hogs		13,424	31,514	4,414
Sheep		98	130	27
Turkeys				
Chickens		651	134	305
All Productive Livestock		\$22,979	\$ 44,423	\$ 13,007
Value of Feed Fed to Livestock		13,656	24,498	9,244
Return over Feed From Livestock		\$ 9,323	\$ 19,925	\$ 3,763
Crop, Seed and Feed		13,993	20,688	9,976
Income From Labor Off The Farm		233	317	130
Agricultural Conservation Payments		26	1	
Miscellaneous		337	407	295
Total Returns and Net Increases		\$23,912	\$ 41,338	\$ 14,164
<u>EXPENSES AND NET DECREASES</u>				
Truck		\$ 348	\$ 339	\$ 272
Auto (Farm Share)		659	711	619
Tractor		1,671	2,279	1,537
Electric and Gas Engines		290	398	259
Hired Power		284	382	245
Total Power		\$ 3,252	\$ 4,109	\$ 2,932
Crop and General Machinery		1,808	2,541	1,657
Livestock Equipment		460	863	285
Buildings, Fences and Tiling		1,283	2,101	1,375
Bare Land		43-	212-	
Misc. Livestock Expense		520	830	418
Labor		1,299	2,057	938
Real Estate Taxes		1,484	1,836	1,228
Personal Property Tax		184	271	140
Insurance		162	261	136
General Farm Expense		232	233	179
Interest on Farm Capital		5,372	7,478	4,713
Total Expenses and Net Decreases		\$16,013	\$ 22,368	\$ 14,001
Labor Earnings		\$ 7,899	\$ 18,970	\$ 163

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 earnings are the same as those on page 4.

TABLE 4 - HOUSEHOLD AND PERSONAL EXPENSES FOR THOSE FARMS WHICH KEPT
COMPLETE ACCOUNTS OF THESE EXPENSES - 1965

Household and personal accounts are important if the family is to manage its financial affairs wisely. The household and personal expenses and receipts are presented in Table 4. These farmers spent an average of \$380.00 per month for family living in addition to the food, fuel, and housing furnished by the farm.

Item	Your Farm	Average of - 58 Farms	11 -- Most Profitable Farms	10 - Least Profitable Farms
Number of Persons - Family		4.3	5.2	4.2
Number of Adult Equivalent - Family		3.1	3.7	2.9
Food and Meals Bought		\$ 1,204	\$ 1,525	\$ 994
Operating and Supplies		342	317	292
Furnishings and Equipment		287	340	202
Clothing and Clothing Materials		424	566	265
Personal Care, Personal Spending		164	113	179
Education and Recreation		213	228	130
Gifts and Special Events		151	142	117
Medical Care and Health Insurance		425	366	460
Church and Welfare		254	349	156
Pers. Share Truck and Auto Exp.		156	186	116
Oper. Share Upkeep on Dwelling		81	39	133
Pers. Share Tel. and Elect. Exp.				
Total Cash Living Expenses		\$ 3,811	\$ 4,307	\$ 3,134
Pers. Share New Truck and Auto		107	103	46
New Dwelling Bought		315	1,255	
Taxes and Other Deductions		19	12	18
Life Insurance		195	105	163
Other Savings and Investments		115	137	27
Total Household + Pers. Cash Exp.		\$ 4,562	\$ 5,919	\$ 3,388
Total Family Living From The Farm		189	230	178
Total Cash Exp. and Perquisites		\$ 4,751	\$ 6,149	\$ 3,565
Income-Operators Labor Earnings		14,163	14,851	3,328-
Return to Capital and Labor		14,759	19,613	3,446
Total Money Borrowed		9,181	17,595	5,765
Paid on Debts - Principal		12,345	24,821	4,563

NET WORTH

A net worth statement includes a listing of all the assets and liabilities as of a given date. The difference between the farmer's total assets and his liabilities is his net worth. A net worth statement on a tenure basis is presented in Table 5. Both the farm and personal assets and liabilities are included.

The difference between the operator's net worth at the beginning and at the end of the year shows the gain in net worth. It represents the financial progress that has been made during the year.

TABLE 5 - NET WORTH STATEMENT FOR THOSE FARMERS WHO KEPT A COMPLETE RECORD OF
ALL ASSETS AND LIABILITIES - 1965 (OPERATOR'S SHARE - TENURE BASIS)

Items	<u>Owner Average</u>		<u>Average of 23 Farms</u>	
	<u>Your Farm</u>		<u>Jan. 1 - - Dec. 31</u>	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total Farm Capital	\$	\$	\$70,529	\$76,767
Auto - Personal Share			295	387
Dwelling			3,959	4,562
Other Personal Assets			10,853	11,915
TOTAL ASSETS			\$85,636	\$93,631
Real Estate Mortgages			\$23,024	\$23,103
Chattel Mortgages			8,294	9,205
Notes			2,040	2,075
Accounts Payable			689	814
TOTAL LIABILITIES			\$34,046	\$35,198
FARMER'S NET WORTH			\$51,590	\$58,434
GAIN IN NET WORTH				\$ 6,843

Items	<u>Part Owner Average</u>		<u>Average of 38 Farms</u>	
	<u>Your Farm</u>		<u>Jan. 1 - - Dec. 31</u>	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total Farm Capital	\$	\$	\$97,919	\$103,943
Auto - Personal Share			382	418
Dwelling			3,363	3,580
Other Personal Assets			9,914	10,478
TOTAL ASSETS			\$111,578	\$118,419
Real Estate Mortgages			\$ 25,099	\$ 25,619
Chattel Mortgages			11,052	10,380
Notes			6,918	6,876
Accounts Payable			1,585	1,572
TOTAL LIABILITIES			\$ 44,654	\$ 44,447
FARMER'S NET WORTH			\$ 66,924	\$ 73,973
GAIN IN NET WORTH				\$ 7,049

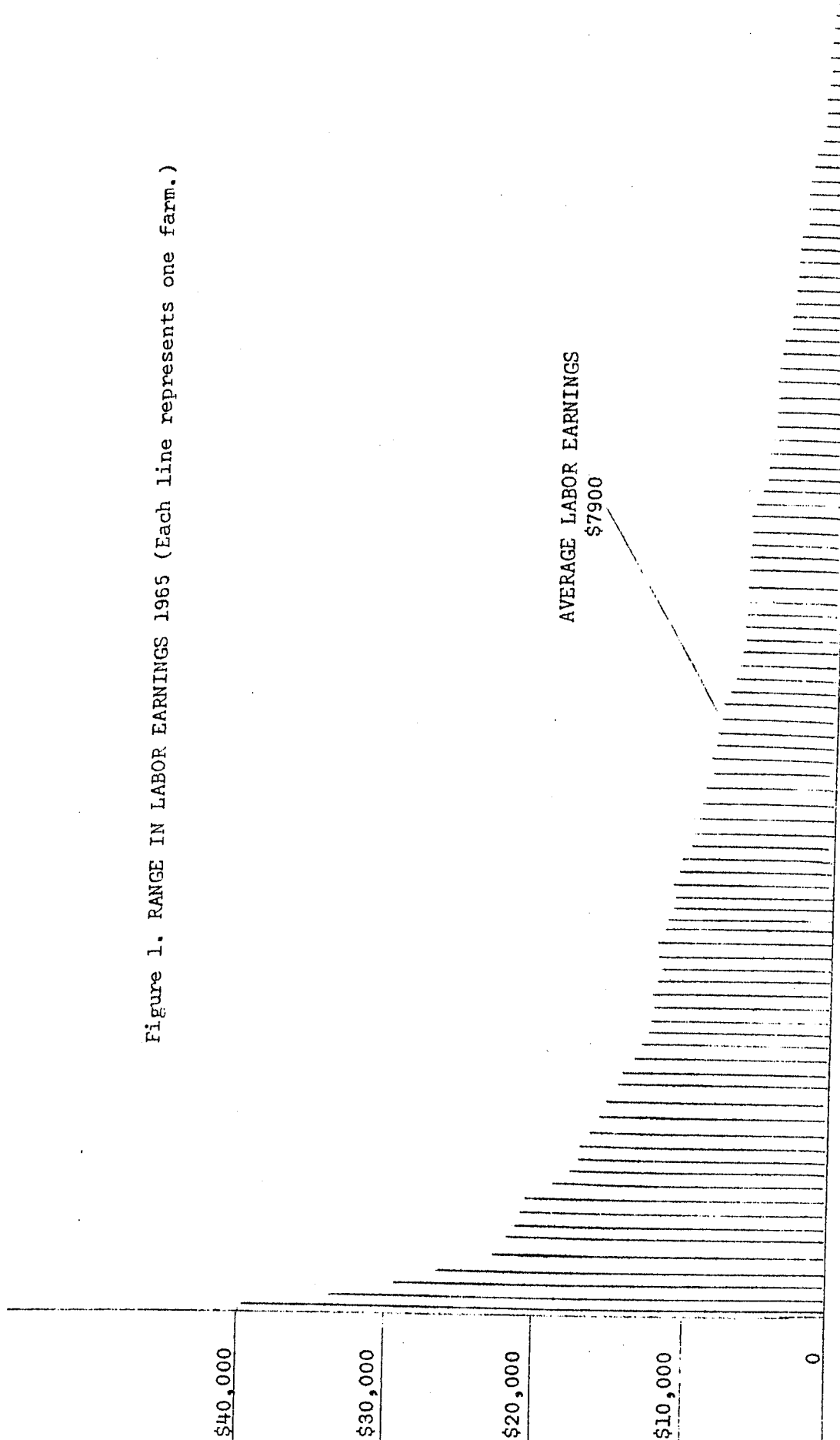
Items	<u>Renter Average</u>		<u>Average of 35 Farms</u>	
	<u>Your Farm</u>		<u>Jan. 1 - - Dec. 31</u>	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total Farm Capital	\$	\$	\$ 26,772	\$ 32,202
Auto - Personal Share			283	381
Dwelling			294	272
Other Personal Assets			5,835	6,342
TOTAL ASSETS			\$ 33,183	\$ 39,198
Real Estate Mortgages			\$ 2,749	\$ 3,277
Chattel Mortgages			6,349	6,686
Notes			2,943	3,883
Accounts Payable			2,016	2,304
TOTAL LIABILITIES			\$ 14,057	\$ 16,151
FARMER'S NET WORTH			\$ 19,126	\$ 23,046
GAIN IN NET WORTH				\$ 3,920

TABLE 6 - SUMMARY OF FARM EARNINGS BY TENURE - 1965 (OPERATOR'S SHARE)

Items	Your Farm	23 Owners	40 Part Owners	36 Renters
FARM RECEIPTS:				
Dairy and Dual Purpose Cattle	\$	\$ 626	\$ 446	\$ 994
Dairy Products		2,319	2,035	2,730
Beef Cattle - Including Feeders		5,806	13,874	4,144
Hogs		13,069	11,294	10,750
Sheep and Wool - Including Feeders		105	108	89
Poultry - Including Turkeys		22	60	33
Eggs		377	1,076	687
Corn		2,136	4,306	1,592
Small Grain		58	93	95
Diverted Acre Income		1,496	2,398	723
Other Crops		3,115	4,487	2,044
Gas Tax Refund & Cap. Assets Sold		256	312	1,513
Income From Work Off The Farm		97	951	366
Miscellaneous		366	370	229
1 Total Farm Sales		\$29,848	\$41,809	\$25,988
2 Increase in Farm Capital		6,238	6,187	5,488
3 Family Living From The Farm		195	234	173
4 Total Farm Receipts 1+2+3		\$36,281	\$48,230	\$31,649
FARM EXPENSES:				
Dairy and Dual Purpose Cattle		250	186	221
Beef Cattle - Including Feeders		3,080	7,040	2,483
Hogs		745	978	911
Sheep			16	
Poultry		75	294	188
Misc. Livestock Expense		543	531	464
Feed		6,149	6,497	5,404
Fertilizers		1,498	2,224	1,191
Other Crop Expense		1,140	1,812	1,065
Custom Work Hired		757	654	575
Gas - Oil - Grease		1,062	1,362	1,001
Tractor-Truck-Auto Repairs		790	937	704
Real Estate Repairs		388	425	141
Crop and Gen. Mach. Repairs		531	738	467
Livestock Equip. Repairs		184	188	153
Wages of Hired Labor		479	914	363
Electricity Expense		274	321	246
Real Estate and Property Taxes		1,043	1,290	189
Cash Rent		178	1,100	1,167
General Farm		392	452	250
Interest Expense		1,514	2,296	736
Total Cash Operating Expenses		\$21,073	\$30,255	\$17,920
Mech. Power Bought		1,794	2,097	2,424
Crop and Gen. Mach. Bought		1,671	2,369	1,651
Livestock Equipment Bought		501	202	179
New Real Estate & Improvements		1,860	2,279	1,764
5 Total Farm Purchases		\$26,900	\$37,202	\$23,937
6 Decrease In Farm Capital				
7 Interest On Farm Capital		2,168	2,799	740
8 Unpaid Family Labor		136	718	222
9 Board For Hired Labor		53	32	26
10 Total Farm Expenses 5+6+7+8+9		\$29,257	\$40,751	\$24,925
11 Labor Earnings 4-10		7,024	7,480	6,723
12 Ret. to Cap. and Labor 7+8+11		9,328	10,997	7,686

RANGE IN EARNINGS

Figure 1. RANGE IN LABOR EARNINGS 1965 (Each line represents one farm.)



Every study of farm earnings shows a wide variation in earnings among farmers in a given year (Fig. 1). The average labor earnings of those farmers ranking in the upper 20% of the range according to earnings was \$18,972 and of those in the lower 20% was \$163. This is a range of \$18,809 between the average earnings of these two groups. Some of the causes for these differences in earnings, such as weather, may be beyond the control of the individual farmer. Other factors are within his control. The more important management factors affecting earnings are listed on Page 11.

EXPLANATION OF WORK UNITS AND ANIMAL 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 an average efficiency. The number of work units for each class of livestock and each acre of crop are presented below.

NUMBER OF WORK UNITS FOR EACH CLASS OF LIVESTOCK & EACH ACRE OF CROP			
Item	No. Of Work Units		Item No. Of Work Units
Dairy Cattle	10.0	Per Cow	Peas, Small Grain .5 Per Acre
Other Dairy Cattle	3.5	Per An. Unit*	Hybrid Seed Corn 2.0 Per Acre
Beef Breeding Herd	3.5	Per An. Unit	Corn, husked .7 Per Acre
Feeder Cattle	.25	Per 100 lbs.	Corn Silage 1.0 Per Acre
Sheep - Farm Flock	1.5	Per An. Unit	Sweet Corn .7 Per Acre
Sheep - Feeders	.3	Per 100 lbs.	Soybean Grain .5 Per Acre
Hogs	.2	Per 100 lbs.	Alfalfa Hay .6 Per Acre
Hens	20.0	Per 100 Hens	Other Hay & Seed .4 Per Acre
Turkeys	.5	Per 100 lbs.	Grass Silage .4 Per Acre
			Soil Bank .4 Per Acre

*One animal unit represents one dairy cow or bull, two other dairy cattle, 1-1/4 beef cows or bull, 1 feeder steer or heifer, 3-1/3 other beef cattle, 7 sheep, 14 lambs, 2-1/2 hogs, 5 pigs, 50 hens, or 1,100 lbs. of turkeys produced.

POWER AND MACHINERY EXPENSES

Power and machinery expense per crop acre is an indication of the economy with which capital is invested in these items. The expenses are high on farms with a small acreage. In some cases, low expenses for labor might be offset by high power and equipment costs. The farmer is interested in operating at the lowest cost for power, machinery and labor combined. These figures are found at the bottom of Table 8.

TABLE 8 - MEASURES OF FARM ORGANIZATION AND MANAGEMENT EFFICIENCY - 1965

Measures Used In Chart On Page . . . 12	Your Farm	Average of 99 Farms	20--Most Profitable Farms	20---Least Profitable Farms
Labor Earnings	\$ _____	\$ 7,900	\$ 18,972	\$ 163
(1) Crop yields*	_____	100	108	82
(2) Percent tillable land in high return crops	_____	74.1	79.2	68.6
Gross Return Per Acre	_____	67.34	74.63	53.54
(3) Return for \$100 feed fed to productive livestock*	_____	101	100	95
(4) Livestock Units per 100 Acres**	_____	30.0	45.1	21.4
(5) Size of Business - Work Units	_____	468	634	384
Work Units Per Worker	_____	330.3	377.2	296.6
(6) Power, Mach., Equip., Bldg. Exp. Work Unit \$ _____	\$ _____	\$ 14.54	\$ 15.17	\$ 16.27

Items related to some of the above measures:

(3) Index of return for \$100 feed from*

Dairy Cattle	_____	100	120	96
Beef Cattle - Breeders	_____	99		123
Beef Cattle - Feeders	_____	99	108	74
Hogs	_____	100	100	96
Sheep	_____	100	94	47
Chickens	_____	100	91	70
(4) Number of Animal Units	_____	88.6	167.3	55.3
Number of Workers	_____	1.4	1.7	1.3
(5) Work Units On Crop	_____	159	211	134
Work Units On Livestock	_____	293	401	241
Other Prod. Work Units	_____	16	22	9
(6) Power Expense Per Work Unit	_____	\$ 6.95	\$ 6.48	\$ 7.63
Mach. Expense Per Work Unit	_____	3.87	4.01	4.31
Equip. Expense Per Work Unit	_____	.98	1.36	.74
Bldg. Expense Per Work Unit	_____	2.74	3.32	3.58
Tractor Expense Per Crop Acre	_____	8.37	8.82	8.58
Crop - Gen. Mach. Exp. Per Crop Acre	_____	7.48	8.01	8.05

*Given as a percentage of the average.

**Acres in timber, roads, waste, farmstead not included.

THERMOMETER CHART

Using your figures from page 11, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the farms included in this summary are located between the solid lines across the center of this page.

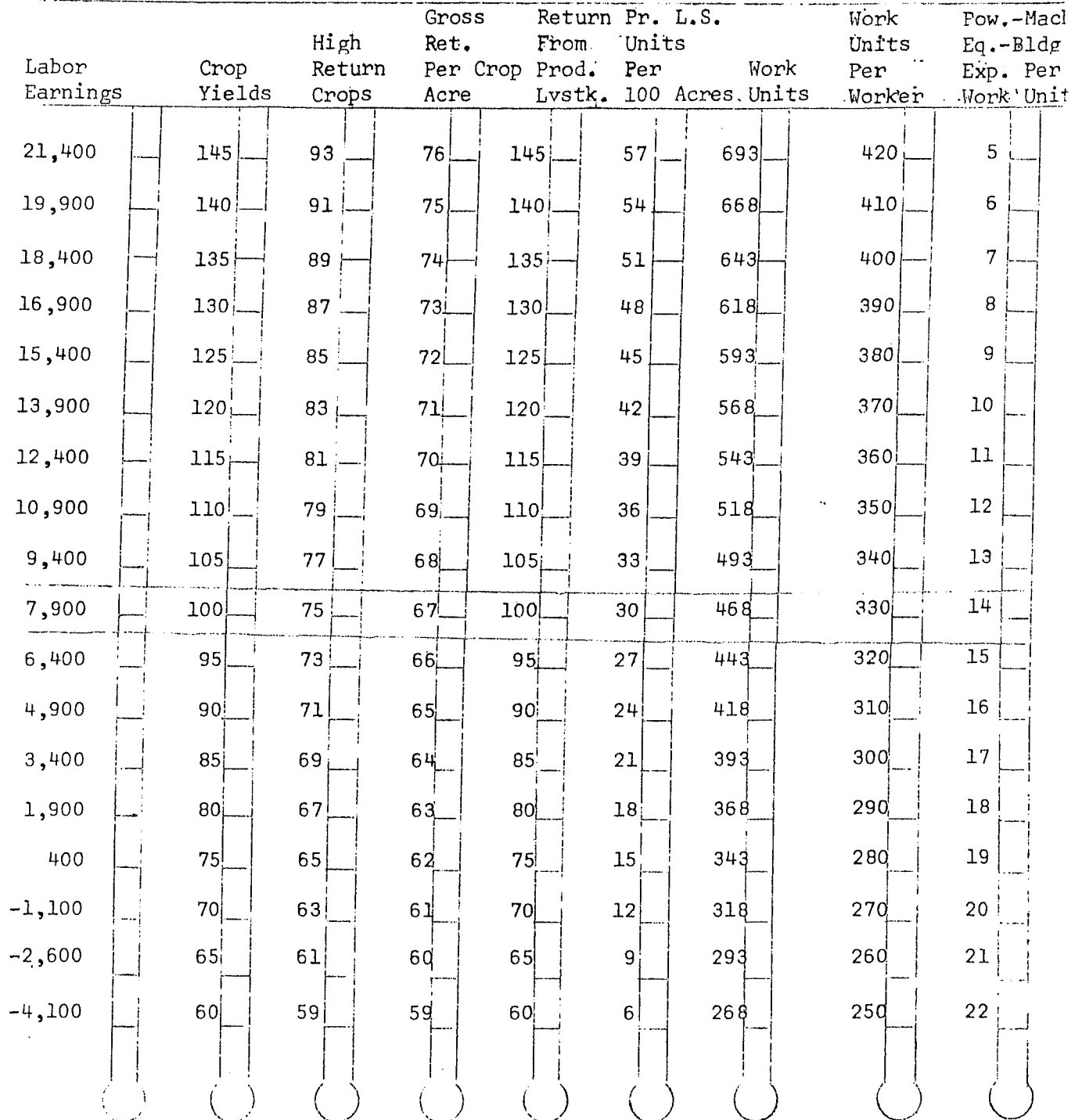


TABLE 9 - DISTRIBUTION OF ACRES AND YIELD - 1965

Crop	Crop Rating	Number Growing	Acres Your Farm	Average Acres of 99 Farms	Your Yield Per Acre	Average Yield Per Acre
Oats and Mixtures	D	57		9.0		57.8 Bu.
Rye		1		.4		1.5 Bu.
Oats Silage		7		1.3		4.9 Ton
Canning Peas		1		.2		\$64.73
Wheat		3		.4		19.9 Bu.
Barley						Bu.
Flax	C	1		.3		4.2 Bu.
Total Small Grain and Peas				11.6		
Canning Corn		3		1.8		\$30.05
Corn Grain & Seed Corn	A	98		114.3		71.3 Bu.
Soybeans - Grain	B	92		83.7		20.7 Bu.
Corn Silage	B	51		11.7		9.6 Ton
Corn and Cane Fodder						Ton
Other Cultivated Crops						
Total Cultivated Crops				211.5		
Alfalfa Hay	B	79		17.6		4.2 Ton
Other Legumes and Mixtures		2		.2		3.8
Annual Hay		6		.8		3.7 Ton
Legume and/or Grass Seed-Lbs						
Total Hay				18.6		
Alfalfa Pasture		19		2.1		
Other Legume Pasture		11		2.1		
Other Tillable Pasture		5		.6		
Total Tillable Pasture				4.8		
Diverted Acres Income		74		34.7		\$56.64
Tillable Land Idle		5		.4		
TOTAL TILLABLE LAND				281.6		
Wild Hay		12		1.1		.3 Ton
Non-Tillable Pasture		42		12.5		
Timber		9		.8		
Roads and Waste		85		11.8		
Farmstead		92		8.9		
TOTAL ACRES IN FARM				316.7		
Percent Land Tillable				88.9		
Percent In High Return Crops				74.1		

TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 10. 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 pound." These data indicate the relative importance of different classes of livestock as a source of income and as a market for feed. The total return is the same as the returns and net increases shown on page 5. The value of milk consumed by calves is included in the total returns from dairy cows and in the total feed cost for other dairy cattle. The value of milk consumed by calves is not included in the total returns or the feed cost of "all dairy" cattle. The return over feed is not a net return, but rather the amount available from the gross income, after paying the feed bill, to cover the outlay for hired labor, power, equipment, taxes, insurance, interest and veterinary bills and to provide a return for the use of family labor and capital.

TABLE 10 - TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES - 1965

	Dairy Cattle			Beef
	Cows	Other	All	Breeding Herd
Total Returns	\$ _____	_____	_____	\$ _____
Total Feed Cost	_____	_____	_____	_____
Total Return Over Feed	\$ _____	_____	_____	\$ _____

	Feeder	Hogs	Farm Flock	Chickens
	Cattle		Of Sheep	
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 food.

Raising hogs is a major enterprise on most farms in Southern Minnesota. Table 11 below summarizes the results of the hog enterprise analysis.

TABLE 11 - FEED COSTS AND RETURNS FROM HOGS - 1965

Items	Your Farm	Average of 64 Farms Raising Hogs	36 Farms Highest In Returns Above Feed	28 Farms Lowest In Returns Above Feed
Lbs. Feed Per Cwt. Hogs Produced				
Corn		304	288	321
Small Grain		16	14	18
Commercial Feeds		69	62	77
Total Concentrates*		389	364	416
Forages		6	6	6
Feed Cost Per Cwt. Hogs Produced				
Concentrates and Forages		12.06	11.03	13.21
Pasture				
Total Feed Costs		12.06	11.03	13.21
Net Inc.-Dec. In Value Per Cwt.		23.71	24.46	22.88
Returns Over Feed Costs Per Cwt.		11.65	13.43	9.67
Return For \$100 Of Feed		196.60	221.76	173.20
Price Received Per Cwt.		20.36	20.46	20.25
Number Of Litters Farrowed		42	41	45
Number of Pigs Born Per Litter**		9.5	9.4	9.7
Number of Pigs Weaned Per Litter		7.4	7.3	7.4
POUNDS OF HOGS PRODUCED		75,724	70,799	82,057

* Concentrates refer to the total of corn, small grain, and commercial feeds fed.

** From records with accurate litter information only.

Operators producing less than 10,000 pounds of pork are omitted from hog averages. Questionable records were also omitted, including those who produced hogs for only a portion of the year.

DAIRY CATTLE

The quantity of feed consumed, value of feeds and returns from dairy cattle are presented in Tables 12, 13 and 14. Some of the important factors that affected the return over feed were:

1. Rate of production (pounds of milk and butterfat per cow)
2. Price received for butterfat
3. Feeding efficiency
4. Quality of ration
5. Economy of ration (feed cost per pound butterfat)

TABLE 12 - FACTORS OF COST AND RETURNS FROM DAIRY COWS - 1965

Items	Your Farm	Average of 31 Farms	9 Farms Highest In Returns Above Feed	6 Farms Lowest In Returns Above Feed
Pounds of Butterfat Per Cow		370	441	264
Pounds of Milk Per Cow		10665	12943	7649
Percent of Butterfat in Milk		3.5	3.4	3.4
Price Per Pound of Butterfat Sold		95.6	95.5	95.5
Price Per Hundred Pounds Milk Sold		3.02	3.07	3.04
Feed Per Cow - Pounds				
Corn		3972	4176	3606
Small Grain		400	322	311
Commercial Feeds		784	644	426
Legume Hay		4773	5781	4144
Other Hay and Fodder				
Total Concentrates		5156	5142	4343
Total Dry Roughages		4773	5781	4144
Total Silage		9026	7470	8362
Feed Cost Per Cow				
Concentrates*		\$131.78	\$127.24	\$102.90
Roughages		81.15	86.31	74.39
Pasture		8.05	7.75	8.31
Total Feed Costs		\$220.98	\$221.30	\$185.60
Value of Produce Per Cow				
Butterfat Sales		\$347.15	\$410.90	\$245.79
Dairy Products Used in Home		3.35	3.23	4.74
Milk Fed To Livestock		3.95	6.93	1.44
Net Inc. in Value of Cows		9.73-	9.96-	.18-
Total Value Produced		\$344.72	\$411.10	\$251.79
Returns Over Feed Cost Per Cow		\$123.74	\$189.80	\$ 66.19
Returns For \$100 Of Feed		\$155.90	\$185.70	\$135.60
Feed Cost Per Pound of Butterfat		59.8	50.1	70.3
Number Of Cows		22.2	22.5	17.5

*Concentrates refer to total of corn, small grain and commercial feed fed.

TABLE 13 - FEED COSTS AND RETURNS FROM OTHER DAIRY CATTLE - 1965

Items	Your Farm	Average of 31 Farms	9 Farms Highest In Returns Above Feed	6 Farms Lowest In Returns Above Feed
Feed Per Head Lbs.				
Concentrates*		1268	1121	1739
Hay and Fodder		1890	1854	2141
Silage		2251	2628	1490
Milk		77	179	40
Feed Cost Per Head				
Concentrates*		\$ 31.65	\$ 26.83	\$ 39.73
Roughages		28.09	28.78	28.28
Milk		3.63	5.64	1.25
Pasture		2.45	2.12	2.65
Total Feed Costs Per Head		\$ 65.82	\$ 63.37	\$ 71.91
Net Inc.-Dec. In Value		\$ 91.00	\$ 81.89	\$ 61.82
Returns Over Feed Cost Per Head		\$ 25.18	\$ 18.52	\$ 10.09-
Returns For \$100 Of Feed		\$138.26	\$129.23	\$ 85.97
Number Of Head		23.4	27.7	20.2

TABLE 14 - FEED COSTS AND RETURNS FROM ALL DAIRY CATTLE - 1965

Items	Your Farm	Average of 31 Farms	Highest In Returns Above Feed 9 Farms	Lowest In Returns Above Feed 6 Farms
Feed Per Cow - Lbs.				
Concentrates*		6552	6520	6351
Hay and Fodder		6869	8059	6615
Silage		11481	10700	10082
Total Feed Costs Per Cow		\$ 293.44	\$ 299.20	\$ 268.59
Value of Produce Per Cow				
Dairy Products		\$ 354.98	\$ 421.06	\$ 251.97
Net Inc.-Dec. In Value		90.69	90.68	71.17
Total Value Produced		\$ 445.67	\$ 511.74	\$ 323.14
Returns Over Feed Cost Per Cow		\$ 152.23	\$ 212.54	\$ 54.55
Returns Per \$100 Feed Cost		\$ 151.88	\$ 171.04	\$ 120.31
Animal Units Of Cattle		33.2	36.4	27.6

*Concentrates refer to total of corn, small grain, and commercial feed fed.
Table 13 - Other Dairy Concentrates is erroneous. Table 14 is correct.

TABLE 15 BEEF BREEDING CATTLE

Items	Your Farm	Average of 7 Farms
Feeds Per Animal Unit Lbs.		
Concentrates*	_____	154
Legume	_____	3,701
Silage	_____	2,146
Other Hay	_____	129
Feed Cost Per Animal Unit		
Concentrates*	_____	\$ 4.83
Roughages	_____	47.28
Pasture	_____	12.49
Total Feed Costs	_____	\$64.60
Net Increase In Value of Animals	_____	\$71.58
Returns Above Feed Cost Per Animal Unit	_____	\$ 6.98
Returns For \$100 Of Feed	_____	\$110.87
Number of Cows and Bulls	_____	28.6
Number of Animal Units	_____	26.5
Pounds of Beef Produced	_____	6,188

TABLE 15 - FEED COSTS AND RETURNS FROM FEEDER CATTLE - 1965

Items	Your Farm	Average of 38 Farms	18 Farms Highest In Returns Above Feed	18 Farms Lowest In Returns Above Feed
Feeds Per Cwt Beef Produced Lbs.				
Corn	_____	609	581	655
Small Grain	_____	3	4	3
Commercial Feeds	_____	44	38	49
Legume Hay	_____	225	171	274
Other Hay and Fodder	_____	7	9	9
Total Concentrates*	_____	656	623	707
Total Hay and Fodder	_____	232	180	283
Silage	_____	659	485	821
Feed Cost Per Cwt. Beef Prod.				
Concentrates*	_____	\$ 14.48	\$ 13.54	\$ 15.87
Roughages	_____	4.66	3.58	5.68
Pasture	_____	.13	.13	.16
Total Feed Costs	_____	\$ 19.27	\$ 17.25	\$ 21.71
Net Increase in Value of An.	_____	\$ 28.24	\$ 27.82	\$ 28.30
Returns Above Feed Cost Cwt. Beef Prod.				
Returns For \$100 of Feed	_____	8.97	10.57	6.59
Price Paid Cwt. Beef Bought	_____	146.55	161.33	130.32
Price Received For Beef Sold	_____	21.64	21.66	22.71
Number of Animal Units	_____	21.82	20.34	23.38
Pounds of Beef Produced	_____	79.2	77.8	79.2
	_____	47,765	50,390	43,930

*Concentrates refer to total of corn, small grain and commercial feed fed.

TABLE 16 - FEED COSTS AND RETURNS FROM FARM FLOCK OF SHEEP - 1965

Items	Your Farm	Average of 9 Farms	5 Farms Highest In Returns Above Feed	4 Farms Lowest In Returns Above Feed
Feeds Per Ewe Lbs				
Concentrates	_____	173	131	250
Legume Hay	_____	565	509	667
Other Hay	_____			
Silage	_____	296	403	102
Feed Cost Per Ewe				
Concentrates	_____	\$ 4.62	\$ 3.84	\$ 6.05
Roughages	_____	7.83	7.87	7.79
Pasture	_____	1.03	1.38	.44
Total Feed Costs	_____	\$13.48	\$ 13.09	\$14.28
Value of Produce Per Head				
Wool	_____	\$ 4.27	\$ 3.56	\$ 5.51
Net Inc. In Value Of Animals	_____	20.92	26.18	11.43
Total Value Produced	_____	\$25.19	\$ 29.74	\$16.94
Returns Above Feed Cost Per Head	_____	\$11.71	\$ 16.65	\$ 2.66
Returns For \$100 Of Feed	_____	\$186.52	\$227.60	\$118.57
Price Per Cwt Lamb And Mutton Sold	_____	18.52	17.84	19.37
Price Per Lb. Wool Sold	_____	.51	.47	.58
Pounds Of Wool Per Sheep	_____	6.9	7.1	6.6
Number of Ewes Kept For Lambing	_____	18.2	22.4	13.0
Per Cent Lamb Crop	_____	101.8	107.2	95.1
Per Cent Death Loss	_____	25.8	23.2	29.1
Average Number Of Ewes	_____	36.8	42.7	29.4

FEED COSTS AND RETURNS FROM FEEDER LAMBS - 1965

Items	Your Farm
Feed per cwt. lambs produced, lbs.	
Concentrates	_____
Legume Hay	_____
Other Hay	_____
Fodder and Stover	_____
Silage	_____
Feed cost per cwt. lambs produced	\$ _____
Net increases in value per cwt. produced	\$ _____
Return above feed cost per cwt. produced	\$ _____
RETURN FOR \$100 OF FEED	\$ _____
Price paid per cwt. lambs produced	\$ _____
Price received per cwt. lambs sold	\$ _____
% death loss	_____
Pounds of lambs produced	_____

In most cases poultry is a so-called minor enterprise, providing eggs and poultry meat for family consumption plus an additional amount of each income. Only those flocks averaging 200 or more hens with a full years production are included in the averages in Table 17.

Some of the important factors that affected the return over feed were:

1. Quantity of feed required per hen
2. Price received per dozen eggs sold
3. Eggs laid per hen
4. Percentage of death loss of hens

TABLE 17 - FEED COSTS AND RETURNS FROM CHICKENS* - 1965

Items	Your Farm	Average of 23 Farms	12 Farms Highest In Returns Above Feed	11 Farms Lowest In Returns Above Feed
Feed - Per Hen - Lbs.				
Grain		78	73	93
Commercial Feeds		24	24	26
Total Concentrates		102	97	119
Total Feed Cost Per Hen		\$ 3.17	\$ 3.05	\$ 3.50
Value Of Produce Per Hen				
Eggs Sold And Used		\$ 4.33	\$ 4.66	\$ 3.43
Inc.-Dec. In Value Of Flock		.71-	.67-	.82-
Total Value Produced		\$ 3.62	\$ 3.99	\$ 2.61
Returns Over Feed Cost Per Hen		.45	.94	.89-
Returns For \$100 Of Feed		\$114.20	\$130.82	\$ 74.57
Price Per Dozen Eggs Sold- Cents		27.6	27.9	26.6
Eggs Laid Per Hen		189	201	155
Average Number Of Hens		705	988	396
Per Cent Death Loss		3.8	3.7	4.3

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

Turkeys are produced on many farms in the Mankato area. Not enough suitable records were available, however, to calculate averages for this enterprise.

TABLE 18 - FEED COSTS AND RETURNS FOR TURKEYS

Items	Your Farm
Feed per cwt. turkeys produced - lbs.	
Grain	
Commercial feed	
Total Concentrates	
Feed cost per cwt. turkeys produced	\$
Net increase in value per cwt. turkeys produced	
RETURNS ABOVE FEED COST PER CWT. PRODUCED	
RETURNS PER \$100 OF FEED	
No. of poults put on feed	
Price paid per poult purchased	
Percent death loss	
Price received per lb. turkeys sold	
Weight per bird sold (lbs.)	
Pounds of turkey produced	

AVERAGE PRICES OF FEEDS - 1965

Table 19 lists the average prices of farm grown feeds used in livestock summaries in this report. Prices paid for feeds bought were used whenever possible.

TABLE 19 - AVERAGE PRICES OF FEEDS - 1965

<u>Farm Grown Grains</u>		<u>Other Roughages</u>	
Corn	\$1.12 Per Bu.	Corn Silage	\$7.00 Per Ton
Oats	.64 Per Bu.	Grass Silage	6.00 Per Ton
Barley	.96 Per Bu.		
<u>Hay</u>		<u>Pasture per Head per Month</u>	
Alfalfa	\$22.00 Per Ton	Cows	\$3.00
Red or Alsike Clover	19.00 Per Ton	Young Cattle	1.50
Brome or Timothy	15.00 Per Ton	Hogs	.20
Wild Hay	10.00 Per Ton	Pigs (under 6 mos.)	.10
		Sheep	.50
		Lambs	.25
Unpaid Family Labor			\$200.00 Per Mo.
Board Furnished Hired Labor			40.00 Per Mo.
2nd or 3rd Operator			250.00 Per Mo.

TABLE 20 - SUMMARY OF FARM EARNINGS BY YEARS - MANKATO AREA

Items	1960	1961	1962	1963	1964	1965
FARM RECEIPTS:						
Dairy Cattle	\$ 1013	\$ 1087	\$ 845	\$ 829	\$ 825	\$ 711
Dairy Products	2923	3676	3298	2908	3098	2422
Beef Cattle (incl. feeders)	8962	6940	7818	6051	8197	8865
Hogs	7606	9613	9865	10476	10076	11774
Sheep & Wool	76	82	169	93	458	102
Poultry (incl. turkeys)	42	37	50	40	45	42
Eggs	478	733	636	632	709	779
Corn	1827	2674	4127	5775	5646	4184
Small Grain	357	748	627	655	235	124
Div. Acre Income						1967
Other Crops	1463	2367	3004	4058	4824	4229
Misc. Equip. sold, gas tax ref.	296	234	483	341	400	1012
Income from work off the farm	320	231	358	442	406	542
Miscellaneous	273	259	387	342	2180	364
(1) Total Farm Sales	\$25636	\$28686	\$31667	\$32642	\$37099	\$37117
(2) Increase in Farm Capital	2371	3377	3553	2978	3684	5703
(3) Family Living From The Farm	281	252	272	258	239	206
(4) Total Farm Receipts	\$28288	\$32315	\$35492	\$35878	\$41022	\$43026
FARM EXPENSES:						
Dairy Cattle Bought	\$ 151	\$ 332	\$ 162	\$ 182	\$ 217	\$ 214
Beef Cattle Bght. (incl. feeders)	4191	3510	4197	3520	4484	4785
Hogs Bought	634	634	699	510	711	911
Sheep Bght. (incl. feeders)	4	14	14	3	210	7
Poultry Bght. (incl. turkeys)	66	64	73	118	138	205
Miscellaneous Livestock Expense	518	627	664	596	582	520
Feed Bought	4555	5398	5358	5781	6061	6168
Fertilizers	1354	1485	1497	1557	1849	1835
Other Crop Expense	776	888	878	1124	1328	1502
Custom Work Hired	777	783	812	755	826	675
Gas, oil & Gr. Bght. (Farm Share)	1039	931	1146	1105	1231	1190
Repr. & Opr. of Trac., Tr. & Auto	575	544	716	667	753	837
Repr. & Upkeep of Real Estate	167	294	377	385	334	334
Repr. & Upkeep of Crop. & Gen. Ma.	385	426	535	513	539	600
Repr. & Upkeep of Live. Equip.	150	131	145	130	185	177
Wages of Hired Labor	369	396	687	649	622	618
Electricity Expense	227	244	264	285	289	290
Real Est. & Per. Property Tax	864	1005	1310	1513	1577	1669
Tele. & General Farm Expense	249	288	361	332	386	394
(5) Total Cash Oper. Expense	\$ 17051	\$17994	\$19895	\$19725	\$22322	\$22931
(6) Mech. Pwr. Bght. (Frm. Share)	795	837	1246	1507	1241	2166
(7) Crop & Gen. Mach. Bought	652	1084	1431	1268	1766	1956
(8) Livestock Equip. Bought	348	400	698	442	539	264
(9) New Real Est. Improvements	477	1039	1427	740	1337	2001
(10) Total Farm Purchases	\$ 19323	\$21354	\$24697	\$23682	\$27205	\$29318
(11) Dec. in Farm Capital						
(12) Interest on Farm Capital	3761	3955	4821	4836	5297	5372
(13) Unpaid Family Labor	197	94	115	192	355	402
(14) Board Furn. Hired Labor	64	33	85	76	55	34
(15) Farm Expense (Total)	\$ 23345	\$25436	\$29718	\$28786	\$32912	\$35126
(16) Labor Earnings 4 - 15	\$ 4943	\$ 6879	\$ 5774	\$ 7092	\$ 8110	\$ 7900

TABLE 21 - SUMMARY OF MISCELLANEOUS ITEMS BY YEARS

Items	1960	1961	1962	1963	1964	1965
MEASURES OF FARM ORGANIZATION AND MANAGEMENT						
Percent High Return Crops	69	70	70	72	76	74.1
Livestock Units Per 100 Acres	43	39	39	36	31	30.0
Work Units	416	433	474	483	517	468
Work Units Per Worker	317	333	365	356	328	330
Expenses Per Work Unit	\$ 13.05	\$13.12	\$13.78	\$13.34	\$12.92	\$14.54
RETURN ABOVE FEED COST PER:						
Dairy Cow	\$161.01	\$189.96	\$155.70	\$146.83	\$141.90	\$123.74
Cwt. Feeder Cattle Prod.	5.56	3.97	9.13	2.88	2.10	8.97
Head of Sheep	12.20	2.90	4.11	4.14	3.10	11.71
Cwt. Hogs Produced	7.34	6.53	5.31	3.32	3.63	11.65
Hen	1.68	1.18	.79	.73	.72	.45
FEED COST PER:						
Dairy Cow	\$163.66	\$159.72	\$174.78	\$186.90	\$183.90	\$220.98
Cwt. Feeder Cattle Prod.	14.75	16.24	16.81	15.82	17.70	19.27
Head of Sheep	10.14	11.84	10.60	16.56	12.11	13.48
Cwt. Hogs Produced	9.61	10.07	10.75	11.08	10.92	12.06
Hen	3.43	3.14	3.47	3.96	3.57	3.17
MISCELLANEOUS LIVESTOCK INFORMATION						
Number of Dairy Cows	8.9	11.0	10.2	8.1	23.5	22.2
Pounds Feeder Cattle Prod.	17830	13479	15571	15582	48691	47765
Pounds Hogs Produced	52110	57367	60740	70312	82242	75724
Number of Hens	90	143	131	126	748	705
Pounds Butterfat Per Cow	371.6	364.3	363.1	370.4	355	370
No. Pigs Weaned Per Litter	7.4	7.4	7.6	7.8	7.7	7.4
Percent Lamb Crop	149.0	128.0	101.0	130.0	103.3	101.8
Eggs Per Hen	191	210	209	220	210	189
PRICE RECEIVED PER:						
Pound Butterfat in Milk	90.0¢	96.0¢	93.0¢	92.0¢	93.6¢	95.6¢
Cwt. Fat Cattle	\$ 23.55	\$ 22.91	\$ 25.59	\$ 22.15	\$ 20.74	\$ 21.82
Dozen Eggs	28. ¢	27.7¢	20.8¢	25.9¢	27.4¢	27.6¢
Cwt. Hogs Sold	\$ 15.49	\$ 16.72	\$ 16.52	\$ 15.00	\$ 14.84	\$ 20.36
PRICE OF FEED:						
Corn, bushel	\$.90	\$.87	\$.96	\$ 1.05	\$ 1.08	\$ 1.12
Oats, bushel	.58	.58	.60	.60	.63	.64
Barley, bushel	.83	.86	.96	.84	.90	.96
Alfalfa Hay, ton	18.00	18.00	18.00	19.00	20.00	22.00
Corn Silage, ton	7.50	7.50	7.00	7.00	7.00	7.00

TABLE 21 - SUMMARY OF MISCELLANEOUS ITEMS BY YEARS (Cont.)

Items	1960	1961	1962	1963	1964	1965
<u>ACRES PER FARM:</u>						
Small Grain	26.3	26.4	25.4	24.6	16.5	11.6
Cultivated Crops	148.2	146.8	161.1	178.1	202.7	211.5
Tillable Land in Hay	19.3	19.0	18.0	18.2	22.8	18.6
Tillable Land in Pasture	5.8	6.6	5.7	4.5	4.2	4.8
Tillable Land Not Cropped	1.0	.8	1.5			.4
Soil Bank		12.7	20.9	24.2	34.7	34.7
Total Tillable Land	200.6	212.3	232.6	249.6	280.9	281.6
Non-Tillable Land	27.1	30.9	37.0	38.6	39.7	35.1
Total Acres in Farm	227.7	243.2	269.6	288.2	320.6	316.7
<u>YIELDS PER ACRE:</u>						
Canning Peas	\$26.83	\$34.37	\$38.13	\$28.82	\$23.26	\$64.73
Wheat, bushel	26.8	33.9	26.9	30.3	27.3	19.9
Oats, bushel	53.6	58.9	55.8	62.8	60.9	57.8
Corn Grain, bushel	67.6	84.8	81.5	90.2	87.9	71.3
Sweet Corn	\$37.72	\$46.85	\$41.12	\$58.57	\$58.50	\$30.05
Soybeans, bushel	24.5	29.4	25.9	30.5	28.3	20.7
Corn Silage, ton	10.8	14.3	12.2	12.6	12.3	9.6
Alfalfa Hay, ton	3.2	2.9	3.8	3.5	3.3	4.2