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1965
annual report

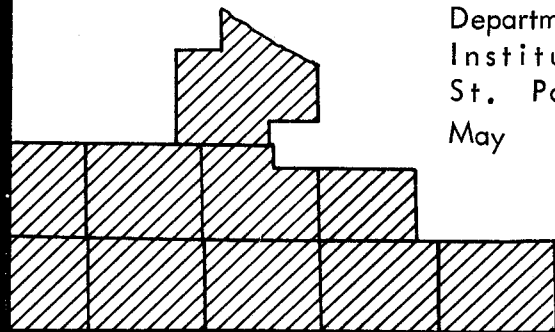
Southwestern Minnesota Farm Management Service

COOPERATING AGENCIES:

University of Minnesota, Institute of Agriculture
United States Department of Agriculture, Agricultural Research Service
County Extension Services of the 10 Southwestern Counties
Southwestern Minnesota Farm Management Association

REPORT NUMBER 285

Department of Agricultural Economics
Institute of Agriculture
St. Paul, Minnesota 55101
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INTRODUCTION

The Department of Agricultural Economics and the Agricultural Extension Service of the University of Minnesota, the Agricultural Research Service of the United States Department of Agriculture, and the county extension services of several southwestern Minnesota counties are cooperating with the Southwestern Minnesota Farm Management Association in maintaining a farm management service. The Association was organized in the fall of 1939 by farmers in that part of the state for the purpose of studying the farm business through farm records. Each farmer pays an annual fee which covers a part of the cost. The balance of the cost is defrayed by the University of Minnesota and the United States Department of Agriculture.

1. The author is indebted to Janet Otis, Barbara Miller, Dorothy Spreck, and Eileen Miley for their assistance in the preparation of this report.

900/5/66

The analysis of the records and the preparation of the report are handled by the Department of Agricultural Economics under the direction of T. R. Nodland. Extension work in connection with this service is handled by Paul Hasbargen. Lyle Ross was the field agent for this project. At the end of the year Arnold Wells, Herbert Walch, and Carl Pherson of the Department of Agricultural Economics and Rex Smith of the Agricultural Extension Service aided in closing the records.

The following tabulation shows by counties the number of records submitted, the officers of the Association, and the county agricultural extension agents who co-operated in 1965.

Southwestern Minnesota

County	No. of records	Association officers	County Agricultural Extension Agent
Cottonwood	14	Abram Ewert, Director	Herman Vossen
Faribault	20	Leon Chirpich, Director	Gene Williams
		Bernard Stevermer, Director	
Jackson	24	Edward Freking, Director	Ray Palmby
		Curtis Pietz, Director	
Martin	10	Daryl Beberness, Director	Floyd Bellin
Murray	17	Eldo Langfeldt, Director	Reuben Boxrud
		Arthur Foster, Secretary-treasurer	
		Brent McBeth, Director	
Nobles	33	Burton Larson, Vice-President	Francis Januschka
		Donald Gingerich, Director	
		Henry J. Peterson, Director	
Pipestone	11	Fred Schuld, Director	Kenneth Rose
Redwood	27	Eugene Hook, President	Ernest Johnson
		Reinhardt Jenniges, Director	
Rock	2		Laverne B. Forest
Watsonwan	8	Robert Johnson, Director	John Ankeny
Total	166		

The data for 156 farms are shown in the tables on succeeding pages. Ten farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis or the records were not returned for analysis following completion of income tax schedules.

Because the farmers included in this study are, in general, above the average in managerial ability and operate larger and more productive farms, they have returns materially higher than the average for this section of the state. There were, nevertheless, wide variations in the methods and practices followed by these men. It is reasonable to assume that similar variation occurs among all farmers in the area. To the extent that this is true, this report would be of value to all farmers and to others interested in agriculture in that it illustrates how farm records may be used as a basis for making an analysis of a farm business and for improving the management of a farm.

Table 1. Summary of Farm Inventories, 1965*

Items	Your farm		Average of 156 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			385	
Size of business (work units)**			556	
Dairy cows	\$	\$	\$ 1173	\$ 1170
Other dairy cattle			793	663
Beef cattle (incl. feeders)			10799	13192
Hogs			3122	4945
Sheep (incl. feeders)			149	158
Poultry (incl. turkeys)			252	267
Productive livestock (total)	\$	\$	\$16288	\$20395
Horses			13	15
Crop, seed and feed			11993	12465
Auto (farm share)			1370	1650
Tractors			3342	3845
Crop and general machinery			5625	6515
Livestock equipment and supplies			1876	2042
Machinery and equipment (total)	\$	\$	\$12213	\$14052
Miscellaneous			-	-
Land			58817	58817
Buildings, fences, etc.			16489	16428
Total farm capital managed	\$	\$	\$115813	\$122172

Items	31 most profitable		31 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	535		363	
Size of business (work units)**	798		477	
Dairy cows	\$ 566	\$ 613	\$1881	\$1867
Other dairy cattle	761	483	1385	994
Beef cattle (incl. feeders)	22807	24398	5991	6477
Hogs	5567	9146	1481	1624
Sheep (incl. feeders)	81	117	91	107
Poultry (incl. turkeys)	162	168	463	538
Productive livestock (total)	\$29944	\$34925	\$11292	\$11607
Horses	7	6	24	23
Crop, seed and feed	17059	20012	9910	7808
Auto (farm share)	1441	1832	1270	1561
Tractors	5106	6025	3516	3488
Crop and general machinery	7556	9256	5752	6341
Livestock equipment and supplies	2703	2785	2042	2370
Machinery and equipment (total)	\$16806	\$19898	\$12580	\$13760
Miscellaneous	-	-	-	-
Land	88405	88405	55385	55385
Buildings, fences, etc.	21682	22109	16078	16144
Total farm capital managed	173903	185355	105269	104727

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

** See page 20 for an explanation of "work units."

Table 2. Summary of Farm Earnings (Cash Statement), 1965

Items	Your farm	Average of 156 farms	31 most profitable farms	31 least profitable farms
FARM RECEIPTS				
Dairy cattle	\$ _____	\$ 626	\$ 626	\$ 1073
Dairy products	_____	2199	1070	3300
Beef cattle (incl. feeders)	_____	21094	45558	10296
Hogs	_____	11321	20569	4333
Sheep and wool (incl. feeders)	_____	174	74	92
Horses	_____	1	-	4
Poultry (incl. turkeys)	_____	440	28	822
Eggs	_____	863	613	1390
Corn	_____	3961	4694	4960
Small grain	_____	598	754	981
Other crops	_____	6452	10429	6050
Machinery and equipment sold	_____	457	423	632
Income from work off the farm	_____	593	1065	278
Miscellaneous	_____	536	888	356
Total farm sales	\$ _____	\$49315	\$86791	\$34567
Increase in farm capital	_____	6359	11452	-
Family living from the farm	_____	274	401	214
Total farm receipts	\$ _____	\$55948	\$98644	\$34781
FARM EXPENSES				
Dairy cattle bought	\$ _____	\$ 145	\$ 39	\$ 161
Beef cattle bought (incl. feeders)	_____	10975	20093	4835
Hogs bought	_____	738	1171	547
Sheep bought (incl. feeders)	_____	27	1	17
Horses bought	_____	6	-	6
Poultry bought (incl. turkeys)	_____	238	129	554
Miscellaneous livestock expense	_____	644	827	581
Feed bought	_____	8191	16063	5014
Fertilizers bought	_____	1945	3061	1526
Other crop expenses	_____	1782	2865	1590
Custom work hired	_____	1041	1378	917
Gas, oil, and grease (farm share)	_____	1343	1732	1419
Rep. tractor, truck, auto (fm.sh.)	_____	891	1216	746
Rep. and upkeep of farm real estate	_____	377	632	302
Rep. and upkeep of crop & gen. mach.	_____	615	896	651
Rep. and upkeep of lvstk. equipment	_____	235	415	177
Wages of hired labor	_____	1175	1722	1182
Electricity expense (farm share)	_____	315	418	326
Pers. prop. and real estate taxes	_____	1843	2484	1681
Telephone and general farm expense	_____	517	627	562
Total cash operating expense	\$ _____	\$33043	\$55769	\$22794
Mech. power bought (farm share)	_____	1771	2631	1219
Crop and gen. machinery bought	_____	2110	3325	1871
Livestock equipment bought	_____	505	558	706
New real estate improvements	_____	1172	2057	1241
Total farm purchases	\$ _____	\$38601	\$64340	\$27831
Decrease in farm capital	_____	-	-	542
Interest on farm capital	_____	5950	8981	5250
Unpaid family labor	_____	702	1222	509
Board furnished hired labor	_____	89	163	72
Total farm expenses	\$ _____	\$45342	\$74706	\$34204
Labor earnings	\$ _____	\$10606	\$23938	\$ 577

Table 3. Summary of Farm Earnings (Enterprise Statement), 1965*

Items	Your farm	Average of 156 farms	31 most profitable farms	31 least profitable farms
RETURNS AND NET INCREASES				
Dairy cows	\$ _____	\$ 2251	\$ 1099	\$ 3326
Other dairy cattle	_____	512	494	670
Beef breeding herd	_____	378	95	460
Feeder cattle	_____	12151	27093	5509
Hogs	_____	12458	23057	3967
Sheep--farm flock	_____	156	109	91
Sheep--feeders	_____	1	-	-
Turkeys	_____	334	-	664
Chickens	_____	766	537	1089
All productive livestock	\$ _____	\$29007	\$52484	\$15776
Value of feed fed to livestock	_____	17615	30455	11571
Return over feed from livestock	\$ _____	\$11392	\$22029	\$ 4205
Crops, seed and feed	_____	17170	27390	13282
Income from labor off the farm	_____	290	352	202
Agricultural conservation payments	_____	33	14	7
Miscellaneous	_____	503	874	349
Total returns and net increases	\$ _____	\$29388	\$50659	\$18045
EXPENSES AND NET DECREASES				
Horses	\$ _____	\$ 6	\$ 2	\$ 10
Truck	_____	356	450	290
Auto (farm share)	_____	576	663	587
Tractor	_____	1767	2490	1712
Electricity (farm share)	_____	316	410	328
Hired power	_____	453	678	365
Total power	\$ _____	\$ 3474	\$ 4693	\$ 3292
Crop and general machinery	_____	1893	2383	2074
Livestock equipment	_____	567	879	538
Buildings, fencing and tiling	_____	1576	2256	1442
Misc. productive livestock expense	_____	644	827	581
Labor	_____	2318	3591	2048
Real estate taxes	_____	1567	2114	1442
Personal property tax	_____	276	370	239
Insurance	_____	213	262	180
General farm expense	_____	304	365	382
Interest on farm capital	_____	5950	8981	5250
Total expenses and net decreases	\$ _____	\$18782	\$26721	\$17468
Labor earnings	\$ _____	\$10606	\$23938	\$ 577

* Cash receipts and expenses are adjusted for changes in inventory for each enterprise and for each item of expense in order to show total receipts and net increases and total expenses and net decreases. The labor earnings are the same as those on page 4.

Table 4. Net Worth Statement for Those Farmers Who Kept a Complete Record of All Assets and Liabilities, 1965 (Operator's Share)

Items	Your farm		22 owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			282	
Owned			282	
Rented			-	
Total farm capital	\$	\$	\$86191	\$93835
Stocks and bonds			2267	2480
Life insurance			3549	3539
Notes and accounts receivable			539	1471
Shares in cooperative organizations			2114	2265
Outside real estate			3039	5270
Cash on hand and in bank			2489	3060
Household furnishings and clothing			3471	3585
Personal share of auto			401	603
Farm dwelling			8063	8012
Total non-farm assets	\$	\$	\$25932	\$30285
Total assets	\$	\$	\$112123	\$124120
Federal Land Bank mortgage			3147	3864
Other real estate mortgages			19667	19543
Production Credit Association loans			2462	4861
Farmers Home Adm. chattel loans			583	572
Sealed grain			485	689
Other chattel mortgages			5917	6805
Notes payable			5746	7588
Accounts payable			1524	569
Total liabilities	\$	\$	\$39531	\$44491
Farmer's net worth	\$	\$	\$72592	\$79629
Change in net worth		\$		\$+7037

Items	34 part-owners*		19 renters**	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Owned	202		-	
Rented	227		346	
Total farm capital	\$81862	\$89916	\$26171	\$29424
Stocks and bonds	1989	2556	2764	3034
Life insurance	3042	3336	1890	2156
Notes and accounts receivable	571	1681	229	249
Shares in cooperative organizations	1483	1552	478	368
Outside real estate	1196	2891	1859	2048
Cash on hand and in bank	1153	1461	818	659
Household furnishings and clothing	3413	3629	2516	2530
Personal share of auto	499	582	322	377
Farm dwelling	5703	5749	-	-
Total non-farm assets	\$19049	\$23437	\$10876	\$11421
Total assets	\$100911	\$113353	\$37047	\$40845
Federal Land Bank mortgage	4639	5001	-	-
Other real estate mortgages	15397	18422	-	-
Production Credit Association loans	5106	3539	3906	1741
Farmers Home Adm. chattel loans	-	-	288	1427
Sealed grain	428	804	389	309
Other chattel mortgages	7787	8738	6452	7839
Notes payable	7104	8636	4164	3719
Accounts payable	2523	2339	1890	1695
Total liabilities	\$42984	\$47479	\$17089	\$16730
Farmer's net worth	\$57927	\$65874	\$19958	\$24115
Change in net worth		\$+7947		\$+4157

* 7 rented for cash, 15 cash and crop share, 10 crop share, 2 lvsstk and crop share.

** 2 rented for cash, 14 cash and crop share, 1 crop share, 2 lvsstk and crop share.

Table 5. Summary of Farm Earnings by Tenure, 1965 (Operator's share)

Items	Your farm	22 owners	34 part- owners	19 renters
FARM RECEIPTS				
Dairy cattle	\$ _____	\$ 262	\$ 859	\$ 1119
Dairy products	_____	994	2301	2901
Beef cattle (incl. feeders)	_____	24023	20680	6519
Hogs	_____	9764	12670	7300
Sheep and wool (incl. feeders)	_____	279	147	86
Horses	_____	-	-	4
Poultry (incl. turkeys)	_____	2898	33	32
Eggs	_____	2836	499	142
Corn	_____	4232	2756	2190
Small grain	_____	338	177	368
Other crops	_____	3608	5751	3923
Machinery and equipment sold	_____	550	593	301
Income from work off the farm	_____	409	503	538
Miscellaneous	_____	629	647	258
(1) Total farm sales	\$ _____	\$50822	\$47616	\$25681
(2) Increase in farm capital	_____	7644	8054	3253
(3) Family living from the farm	_____	191	277	236
(4) Total farm receipts (1)+(2)+(3)	\$ _____	\$58657	\$55947	\$29170
FARM EXPENSES				
Dairy cattle bought	\$ _____	\$ 27	\$ 128	\$ 234
Beef cattle bought (incl. feeders)	_____	11365	10736	2403
Hogs bought	_____	319	676	325
Sheep bought (incl. feeders)	_____	2	9	32
Horses bought	_____	-	10	1
Poultry bought (incl. turkeys)	_____	1185	77	21
Miscellaneous livestock expense	_____	650	641	364
Feed	_____	11633	7652	4437
Fertilizers	_____	1713	1971	1107
Other crop expense	_____	1239	1692	1453
Custom work hired	_____	1221	1065	943
Gas, oil and grease	_____	1050	1313	1184
Rep. tractor, truck, auto (farm share)	_____	728	1017	644
Rep. and upkeep of real estate	_____	422	450	99
Rep. and upkeep of crop and gen. machinery	_____	390	563	477
Rep. and upkeep of livestock equipment	_____	205	214	157
Wages of hired labor	_____	1179	1334	885
Electricity expense (farm share)	_____	293	302	237
Real estate and personal property taxes	_____	1551	1058	191
Cash rent	_____	-	1003	1558
General farm expense and insurance	_____	535	625	338
Interest paid	_____	2196	2222	878
Total cash operating expense	\$ _____	\$37903	\$34758	\$17968
Mechanical power bought (farm share)	_____	1794	1772	1123
Crop and general machinery bought	_____	1884	2738	1394
Livestock equipment bought	_____	1170	478	555
Real estate improvements and farm purchases	_____	3957	3686	325
(5) Total farm purchases	\$ _____	\$46708	\$43432	\$21365
(6) Decrease in farm capital	_____	-	-	-
(7) Interest on farm capital	_____	2304	2072	512
(8) Unpaid family labor	_____	305	233	272
(9) Board furnished hired labor	_____	45	83	101
(10) Total farm expense (5)+(6)+(7)+(8)+(9)	\$ _____	\$49362	\$45820	\$22250
(11) Labor earnings (4)-(10)	\$ _____	\$ 9295	\$10127	\$ 6920
(12) Ret. to cap. & fam. labor (7)+(8)+(11)	\$ _____	\$11904	\$12432	\$ 7704

Table 6. Household and Personal Expenses for Those Farms Which Kept Complete Accounts of These Expenses, 1965

Items	Your farm	Average of 66 farms	13 most profit- able farms	13 least profit- able farms
Number of persons--family	_____	4.9	6.3	5.3
Number of adult equivalents--family	_____	4.0	4.8	4.4
other*	_____	.2	.3	.2
EXPENSES				
Food and meals bought	\$ _____	\$1172	\$1555	\$1050
Operating and supplies	_____	376	525	285
Furnishings and equipment	_____	302	321	332
Clothing and clothing materials	_____	487	632	348
Personal care and spending	_____	153	198	119
Education and recreation	_____	448	443	275
Gifts and special events	_____	161	289	89
Medical and hospital insurance	_____	546	545	516
Church and welfare	_____	331	434	297
Personal share of auto expense	_____	247	299	204
Upkeep on dwelling	_____	54	113	10
Pers. share of tel. & elec. expense	_____	127	140	112
Total cash living expense	\$ _____	\$4404	\$5494	\$3637
Personal share of new autos	_____	190	224	104
New dwelling	_____	201	431	151
Taxes	_____	461	372	235
Life insurance	_____	572	620	503
Other savings and investments	_____	185	124	21
Total household & pers. cash expense	\$ _____	\$6013	\$7265	\$4651
Family living from the farm	_____	266	377	329
Total cash expense & perquisites	\$ _____	\$6279	\$7642	\$4980
RECEIPTS				
Return to capital and family labor	\$ _____	\$10568	\$20999	\$2990
Income from outside investments	_____	163	205	99
Other personal income	_____	728	389	303

* Hired help or others boarded.

Table 7. Family Living from the Farm, 1965

Items	Your farm	Average of 156 farms	Your farm	Average of 156 farms
Number of adult equivalents:				
Family	_____	3.9		
Other*	_____	.2		
Whole milk	_____	395 qts.	\$ _____	\$35.15
Cream	_____	2 pts.	_____	.47
Cattle	_____	768 lbs.	_____	165.05
Hogs	_____	272 lbs.	_____	52.94
Sheep	_____	1 lbs.	_____	.14
Poultry	_____	50 lbs.	_____	8.47
Eggs	_____	51 doz.	_____	12.28
Total			\$ _____	\$274.50

* 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 of expenses.¹ The combined or cumulative influence of these seven management factors on earnings is shown in Table 8. The farmer's earnings are determined to a considerable extent by his accomplishments in these seven factors.

Table 8. Relation of Labor Earnings to the Number of Factors in Which the Farmer Excels

Number of factors in which farmer excels	Number of farms	Your farm	The length of the shaded lines is in proportion to the average operator's labor earnings	Average labor earnings
None or 1	23	_____	XXXX	\$ 2349
2 or 3	64	_____	XXXXXXXXXXXXXXX	7873
4 or 5	53	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	14909
6 or 7	16	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	19152

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

1. Nodland, T. R., and G. A. Pond, "Some Factors Affecting the Earnings of Farmers in Southwestern Minnesota." University of Minnesota Department of Agricultural Economics, Report No. 219, November 1954.

Table 9. Measures of Farm Organization and Management Efficiency, 1965

Measures used in chart on page 11	Your farm	Average of 156 farms	31 most profit- able farms	31 least profit- able farms
Labor earnings	\$ _____	\$10606	\$23938	\$ 577
Crop yields*	_____	100	109	83
Percent tillable land in high return crops**	_____	65.4	66.2	63.5
Return for \$100 feed to productive livestock***	_____	100	104	86
Productive livestock units per 100 acres****	_____	37.4	49.9	22.9
Size of business--work units	_____	556	798	477
Work units per worker	_____	321	380	298
Pow., mach., equip., & bldg. exp. per work unit	\$ _____	\$14.95	\$12.74	\$18.43
Items related to some of the above measures:				
Index of return for \$100 feed from:				
Dairy cattle (see pages 16 and 17)	_____	100	104	85
Beef cattle--breeding herd (see page 18)	_____	100	96	116
Beef cattle--feeders (see page 18)	_____	100	108	97
Hogs (see page 15)	_____	100	104	86
Sheep--farm flock (see page 19)	_____	100	108	52
Turkeys	_____	100	-	-
Chickens (see page 20)	_____	100	92	91
Number of animal units	_____	127.0	223.3	78.0
Work units on crops	_____	182	259	168
Work units on productive livestock	_____	350	509	292
Other work units	_____	24	30	17
Number of family workers	_____	1.3	1.5	1.2
Number of hired workers	_____	.4	.6	.4
Total number of workers	_____	1.7	2.1	1.6
Power expense per work unit	\$ _____	\$6.91	\$5.84	\$8.24
Crop machinery expense per work unit	_____	3.87	3.01	5.29
Livestock equipment expense per work unit	_____	.99	1.05	1.11
Bldg. & fencing expense per work unit	_____	3.18	2.84	3.79

* Given as a percentage of the average.

** Crops are marked in Table 10 as A, B, C, and D. All of the acres in A crops, one-half of the acres in B crops, and one-fourth of the 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 156 farms included in this summary are located between the dotted lines across the center of this page.

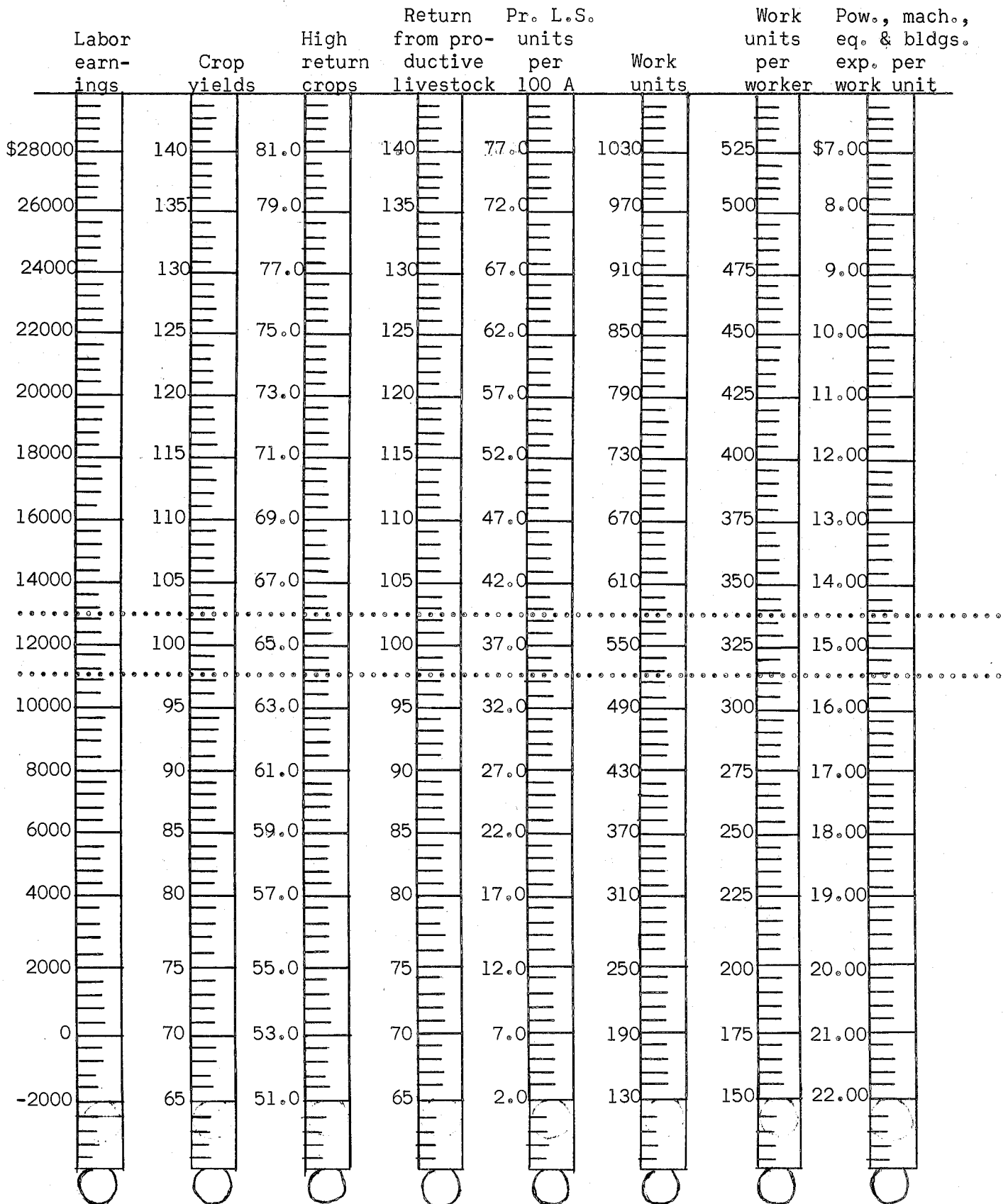


Table 10. Distribution of Acres in Farm, 1965

Crop	Crop ratings*	Number growing this crop	Your farm	Average of 156 farms	Ave. per farm growing each crop
Canning peas	B	7	_____	1.0	21.6
Flax	C	21	_____	5.8	44.1
Wheat	C	4	_____	.3	11.1
Oats for silage	C	14	_____	1.3	14.4
Oats for grain	D	97	_____	16.9	27.2
Barley and rye	D	2	_____	1.0	71.8
Total small grain and peas		109	_____	26.3	37.6
Corn grain	A	156	_____	129.9	129.9
Soybeans for grain	B	143	_____	77.2	84.2
Sweet Corn	B	5	_____	1.0	31.6
Corn silage	B	106	_____	20.8	30.5
Total cultivated crops		156	_____	228.9	228.9
Alfalfa hay	B	143	_____	28.0	30.5
Other legumes	C	1	_____	.2	26.0
Timothy and brome hay or seed	D	1	_____	.1	8.5
Annual hay	D	19	_____	.8	7.1
Total tillable land in hay		148	_____	29.1	30.7
Alfalfa pasture	B	65	_____	4.8	11.4
Other tillable pasture	D	18	_____	1.3	12.0
Total tillable land in pasture		74	_____	6.1	12.9
Feed grain program	B	117	_____	44.2	58.9
Tillable land not cropped	D	22	_____	2.2	15.7
Total tillable land		156	_____	336.8	336.8
Wild hay		39	_____	1.9	7.8
Non-tillable pasture		77	_____	19.0	38.5
Timber not pastured		12	_____	.5	6.4
Roads and waste			_____	15.7	
Farmstead			_____	11.1	
Total acres in farm			_____	385.0	
Percent land tillable			_____	87.5	
Percent tillable land in high return crops			_____	65.4	

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

Table 11. Crop Yields per Acre, 1965

Crop	Your farm	Average of farms growing each crop
Canning peas, dollars	\$ _____	\$54.99
Flax, bu.	_____	18.2
Wheat, bu.	_____	20.1
Oat silage, tons	_____	6.8
Oats grain, bu.	_____	61.2
Barley, bu.	_____	--
Corn grain, bu.	_____	62.7
Soybeans, bu.	_____	20.2
Sweet corn, tons	_____	3.4
Corn silage, tons	_____	10.7
Alfalfa hay, tons	_____	2.8
Annual hay, tons	_____	2.6
Feed grain program, dollars	\$ _____	\$55.58
Wild hay, tons	_____	1.1

Table 12. Average Price of Feeds, 1965

Items	Value	Items	Value
Ear corn, per bu.	\$1.13	Alfalfa hay, per ton	\$23.00
Oats, per bu.	.63	Red or alsike clover hay, per ton	19.50
Barley, per bu.	.98	Timothy, per ton	13.00
Wheat, per bu.	1.52	Wild hay, per ton	11.50
Soybean meal, per cwt.	4.60	Corn silage, per ton	7.75
Meat scraps, per cwt.	5.30	Pasture, per mo. per cow	3.00

Table 13. Power and Machinery Expenses per Crop Acre, 1965

Items	Your farm	Average of 156 farms	31 most profitable farms	31 least profitable farms
Crop acres per farm	_____	286	406	268
Tractor expense per crop acre	\$ _____	\$6.39	\$6.31	\$6.53
Crop & gen. mach. exp. per crop acre	_____	6.97	5.87	8.44

TOTAL FEED COSTS AND RETURNS FROM YOUR LIVESTOCK ENTERPRISES

The total "return over feed costs" for each class of livestock is shown in Table 14. This differs from the "return over feed" shown in the enterprise statement in that it is the total for each class of livestock instead of a return "per head," "per unit," or "per 100 pounds." These data indicate the relative importance of different classes of livestock as a source of income and as a market for feed. The total return is the same as the returns and net increases shown on page 5. The value of milk consumed by calves is included in the total returns from dairy cows and in the total feed cost for other dairy cattle. The value of milk consumed by calves is not included in either the total returns or the feed cost of "all dairy" cattle. The return over feed is not a net return, but rather the amount available from the gross income, after paying the feed bill, to cover the outlay for hired labor, power, equipment, taxes, insurance, interest, and veterinary bills and to provide a return for the use of family labor and capital.

Table 14. Total Feed Costs and Returns from Your Livestock Enterprises, 1965

	Dairy cattle			Beef breeding herd
	Cows	Other	All	
Total returns	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____
	Feeder cattle	Hogs	Farm flock of sheep	Chickens
Total returns	_____	_____	_____	_____
Total feed cost	_____	_____	_____	_____
Total return over feed	_____	_____	_____	_____

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

Table 15. Feed Costs and Returns from Hogs, 1965

Items	Your farm	Average of 122 farms	102 farms with breeding stock		20 farms with purchased feeder pigs
			Average of 102 farms	20 farms highest in returns above feed	
Feed per cwt. hogs produced, lbs.:					
Corn	_____	334	316	273	428
Small grain	_____	39	36	38	55
Commercial feeds	_____	87	95	80	45
Total concentrates	_____	460	447	391	528
Feed cost per cwt. hogs produced	\$ _____	\$12.22	\$12.03	\$10.42	\$15.21
Net increase in value per cwt. hogs produced	\$ _____	\$23.44	\$23.93	\$25.88	\$22.25
Return above feed cost per cwt. hogs produced	\$ _____	\$11.22	\$11.90	\$15.46	\$ 7.04
RETURN FOR \$100 FEED	\$ _____	\$202	\$208	\$250	\$175
Price received per cwt. hogs sold	\$ _____	\$20.34	\$20.35	\$20.96	\$20.05
Total number of litters raised	_____	36	42	39	39
Number of pigs born per litter	_____	9.0	9.1	9.0	8.8
Number of pigs weaned per litter	_____	7.2	7.2	6.9	6.6
Number of feeder pigs bought	_____	45	8	3	5
Total weight of feeder pigs bought	_____	1706	262	188	245
Price paid per feeder pig	_____	\$15.63	\$16.15	\$14.30	\$14.26
Pounds of hogs produced	_____	67596	72098	60292	63849

Table 16. Factors of Cost and Returns from Dairy Cows, 1965

Items	Your farm	Average of 31 farms	15 farms highest in butterfat per cow	15 farms lowest in butterfat per cow
Pounds of butterfat per cow	_____	365	415	315
Pounds of milk per cow	_____	10279	11673	8893
Percent of butterfat in milk	_____	3.5	3.6	3.5
Price received per lb. BF sold (cents)	_____	98.3	99.3	97.9
Price received per cwt. milk sold	\$ _____	\$3.49	\$3.52	\$3.48
Feeds per cow, lbs.				
Corn	_____	3644	3742	3642
Small grain	_____	539	762	352
Commercial feeds	_____	417	451	405
Legume hay	_____	5171	5666	4760
Other hay	_____	139	26	262
Total concentrates	_____	4600	4955	4399
Total hay	_____	5310	5692	5022
Silage	_____	11211	11461	10426
Feed cost per cow				
Concentrates	\$ _____	\$104.01	\$118.24	\$93.49
Roughages	_____	102.93	108.04	96.76
Pasture	_____	6.38	5.53	6.70
TOTAL FEED COST	\$ _____	\$213.32	\$231.81	\$196.95
Value of produce per cow				
Dairy product sales	\$ _____	\$345.71	\$398.31	\$296.68
Dairy produce used in home	_____	4.94	4.01	5.01
Milk to livestock	_____	7.98	8.27	7.84
Net increase in value of cows	_____	-4.06	-4.49	-4.16
TOTAL VALUE PRODUCED	\$ _____	\$354.57	\$406.10	\$305.37
RETURNS ABOVE FEED COST PER COW	\$ _____	\$141.25	\$174.29	\$108.42
RETURNS FOR \$100 OF FEED	\$ _____	\$157	\$178	\$134
Feed cost per pound of BF (cents)	_____	58.5	55.8	62.5
Number of cows*	_____	27.2	28.0	27.6

* All dairy cows which have at some time in the past freshened are included in the dairy herd, and affect the average number of cows in computing this table. There is some variation in the number of months of dry period per cow; however, this variation is small for the majority of farms.

Table 17. Feed Costs and Returns from Other Dairy Cattle, 1965

Items	Your farm	Average of 31 farms	15 farms highest in butterfat per cow	15 farms lowest in butterfat per cow
Feed per head, lbs.:				
Concentrates	_____	1261	1019	1327
Hay	_____	1388	1451	1383
Silage	_____	3079	2695	2898
Whole milk	_____	325	313	328
TOTAL FEED COST PER HEAD	\$ _____	\$71.08	\$64.63	\$72.22
Net increase in value of other dairy cattle	\$ _____	\$83.35	\$80.58	\$84.49
RETURNS ABOVE FEED COST PER HEAD	\$ _____	\$12.27	\$15.95	\$12.27
RETURNS FOR \$100 OF FEED	\$ _____	\$126	\$129	\$127
Number of head of other dairy	_____	34.3	35.5	35.1

Table 18. Feed Costs and Returns from All Dairy Cattle, 1965

Items	Your farm	Average of 31 farms	15 farms highest in butterfat per cow	15 farms lowest in butterfat per cow
Feed per cow, lbs.:				
Concentrates	_____	5995	6398	5741
Hay	_____	7036	7498	6768
Silage	_____	15131	15005	14691
TOTAL FEED COST PER COW	\$ _____	\$283.32	\$304.48	\$265.47
Value of produce per cow:				
Dairy products	\$ _____	\$350.65	\$402.33	\$301.70
Net increase in value of dairy cattle	_____	88.27	88.31	91.10
TOTAL VALUE PRODUCED	\$ _____	\$438.92	\$490.64	\$392.80
RETURNS ABOVE FEED PER COW	\$ _____	\$155.60	\$186.16	\$127.33
RETURNS PER \$100 OF FEED	\$ _____	\$160	\$166	\$155

Table 19. Feed Costs and Returns from Beef Cattle, 1965

Items	Your farm	Average of all farms
Beef breeding herd: Number of farms		22
Feed per animal unit, lbs.:		
Concentrates	_____	322
Legume hay	_____	1878
Other hay	_____	219
Silage	_____	3857
Feed cost per animal unit:		
Concentrates	\$ _____	\$ 8.93
Roughages	_____	40.44
Pasture	_____	23.09
TOTAL FEED COST	\$ _____	\$72.46
TOTAL VALUE PRODUCED	\$ _____	\$83.21
RETURNS ABOVE FEED COST PER ANIMAL UNIT	\$ _____	\$10.75
RETURNS FOR \$100 OF FEED	\$ _____	\$115
Pounds of beef produced	_____	11731
Number of cows and herd bulls	_____	30.1
Number of other beef cattle	_____	25.6
Number of animal units in the herd	_____	31.8
Feeder cattle: Number of farms		109
Feeds per cwt. beef produced, lbs.:		
Corn	_____	599
Small grain	_____	13
Commercial feeds	_____	48
Legume hay	_____	240
Other hay	_____	10
Total concentrates	_____	660
Total hay	_____	250
Silage	_____	693
Feed cost per cwt. beef produced		
Concentrates	\$ _____	\$15.06
Roughages	_____	5.61
Pasture	_____	.45
TOTAL FEED COSTS	\$ _____	\$21.12
Net increase in value of feeders	\$ _____	\$28.24
RETURNS ABOVE FEED COST PER CWT. BEEF PRODUCED	\$ _____	\$ 7.12
RETURNS FOR \$100 OF FEED	\$ _____	\$143
Price paid per cwt. beef bought	\$ _____	\$23.68
Price received for feeder cattle sold	\$ _____	\$23.72
Number of animal units	_____	102.2
Pounds of beef produced	_____	62207

Table 20. Feed Costs and Returns from a Farm Flock of Sheep, 1965

Items	Your farm	Average of 14 farms
Feeds per ewe, lbs.:		
Concentrates	_____	168
Legume hay	_____	639
Other hay	_____	25
Silage	_____	194
Feed cost per ewe:		
Concentrates	\$ _____	\$ 3.89
Roughages	_____	8.56
Pasture	_____	2.65
TOTAL FEED COSTS	\$ _____	\$15.10
Value of produce per ewe:		
Wool	\$ _____	\$ 6.15
Net increase in value of sheep	_____	20.01
TOTAL VALUE PRODUCED	\$ _____	\$26.16
RETURNS ABOVE FEED COST PER EWE	\$ _____	\$11.06
RETURNS FOR \$100 OF FEED	\$ _____	\$214
Price per cwt. of lambs sold	\$ _____	\$23.38
Price per pound of wool sold (cents)	_____	53.1
Pounds of wool per sheep sheared	_____	10.2
Percent lamb crop*	_____	101
Percent death loss*	_____	6.3
Pounds of sheep produced	_____	4684
Number of head of ewes	_____	53

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

Table 21. Feed Costs and Returns from Chickens, 1965*

Items	Your farm	Average of 39 farms	13 farms highest in returns above feed	13 farms lowest in returns above feed
Feed per hen, lbs.:				
Grain		76	82	77
Commercial feed		35	28	42
Total concentrates		111	110	119
TOTAL FEED COST PER HEN	\$	\$3.48	\$3.49	\$3.65
Value of produce per hen:				
Eggs sold and used in home	\$	\$4.23	\$5.30	\$3.04
Net increase in value of chickens		-.47	-.29	-.49
TOTAL VALUE PRODUCED	\$	\$3.76	\$5.01	\$2.55
RETURNS ABOVE FEED COST PER HEN	\$	\$.28	\$1.52	-1.10
RETURNS FOR \$100 OF FEED	\$	\$109	\$144	\$ 71
Price rec'd per doz. eggs sold (cents)		24.6	26.0	23.2
Eggs laid per hen		205	245	157
Avg. number of hens on farm during year		763	871	290
Percent of hens that are pullets		76	74	64
Percent death loss of hens		9	7	12
Number of chicks started:				
Pullets		397	537	121
Cockerels		25	33	24
Number of pullet hens bought		232	42	23

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

EXPLANATION OF "WORK UNITS"

The total "work units" for any one farm is a measure of the size of that farm business. A work unit as used in this report is the average accomplishment of a farm worker in a ten hour day, working on crops and productive livestock at average efficiency, or ten hours of work off the farm for pay. The number of work units for each class of livestock and each acre of crop are presented in Table 22.

Table 22. Number of Work Units for Each Class of Livestock and Each Acre of Crop

Item	Number of work units	Item	Number of work units
Dairy cows	10.0 per cow	Small grain	.5 per acre
Other dairy cattle	3.5 per an. unit*	Sugar beets	1.5 per acre
Beef breeding herd	3.5 per an. unit*	Sweet corn	.7 per acre
Feeder cattle	.25 per 100 lbs.	Corn husked	.7 per acre
Sheep--farm flock	1.5 per an. unit*	Corn hogged	.4 per acre
Sheep--feeder	.3 per 100 lbs.	Corn shredded	1.5 per acre
Hogs	.2 per 100 lbs.	Corn silage	1.0 per acre
Turkeys	.5 per 100 lbs.	Corn fodder	1.0 per acre
Hens	20.0 per 100 hens	Alfalfa hay	.6 per acre
Canning peas	.5 per acre	Soybean hay	.8 per acre
Soybeans for grain	.5 per acre	Other hay crops	.4 per acre

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

Table 23. Summary of Farm Earnings by Years

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963	1964	1965
Number of farms	165	140	138	135	121	127	136	143	148	156
Total farm capital managed	\$36133	\$40590	\$57692	\$75246	\$89567	\$92876	\$100800	\$107166	\$109125	\$118992
Monthly charge for										
Unpaid family labor*	63	118	130	134	135	150	150	150	150	160
Second operator	63	118	130	134	135	150	150	200	200	275
Board to hired labor	23	33	36	38	38	40	40	40	40	45
FARM EXPENSES										
Dairy cattle bought	\$ 120	\$ 175	\$ 215	\$ 151	\$ 206	\$ 190	\$ 128	\$ 52	\$ 156	\$ 145
Beef cattle bought	1405	2027	4097	7619	10558	12429	12583	10854	9343	10975
Hogs bought	275	447	448	473	635	672	704	830	774	738
Sheep bought (incl. feeders)	596	365	599	517	54	207	13	50	21	27
Poultry bought (incl. turkeys)	140	165	190	225	212	235	238	239	297	238
Horses bought	39	11	6	5	3	3	2	2	3	6
Misc. livestock expense	140	248	378	525	560	607	594	562	637	644
Misc. crop expense	402	869	1234	1814	2027	2106	2203	2648	3053	3727
Feed bought	2041	3191	4323	5503	6250	6233	7707	8334	7599	8191
Custom work hired	193	356	438	694	827	854	929	827	934	1041
Power machinery (new)	320	757	864	898	473	844	1022	1034	1086	1771
Power mach. (upkeep, gas, oil)	551	1081	1422	1802	2152	2105	2261	2362	2291	2549
Crop and gen. mach. (new)	335	912	1000	993	1131	921	1147	1310	1315	2110
Crop and gen. mach. (upkeep)	124	284	313	398	469	423	470	524	533	615
Livestock equipment (new)	112	99	164	327	364	388	503	413	407	505
Livestock equipment (upkeep)	55	111	135	194	176	215	218	223	203	235
Buildings and fencing (new)	341	676	881	832	828	1424	1126	863	848	1172
Buildings and fencing (upkeep)	149	319	312	320	311	326	353	351	349	377
Hired labor	593	794	883	993	1017	1072	1074	1134	1161	1175
Taxes	330	403	622	910	1245	1287	1413	1579	1723	1843
Insurance	33	56	90	154	190	190	201	185	224	213
General farm expense	65	118	170	210	225	228	230	232	245	304
Total farm purchases	\$ 8359	\$13464	\$18784	\$25557	\$29913	\$32959	\$35119	\$34608	\$33202	\$38601
Decrease in farm capital	-	-	-	-	-	-	-	997	844	-
Interest on farm capital	1806	2030	2885	3762	4454	4644	5040	5358	5456	5950
Unpaid family labor	310	377	358	379	464	492	464	586	494	702
Board furnished hired labor	142	107	91	92	103	69	76	77	85	89
Total farm expense	\$10617	\$15978	\$22118	\$29790	\$34934	\$38164	\$40699	\$41626	\$40081	\$45342

*These adjustments should be considered in comparing 1965 results with previous years.

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

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963	1964	1965
FARM RECEIPTS										
Dairy cattle	\$ 383	\$ 573	\$ 695	\$ 585	\$ 593	\$ 614	\$ 496	\$ 546	\$ 565	\$ 626
Dairy products	783	988	1085	1450	1761	2027	1608	1694	2348	2199
Beef cattle	3140	4246	7918	13025	19601	18855	21109	20512	20825	21094
Hogs	3622	6775	7455	7158	7251	8528	9038	8639	8701	11321
Sheep and wool	928	651	978	981	305	279	318	213	200	174
Poultry (incl. turkeys)	563	525	526	530	672	429	448	485	492	440
Eggs	597	1035	965	1013	1078	989	1157	1094	1051	863
Horses	44	23	8	5	10	3	4	-	4	1
Corn	584	1138	1855	3149	2443	2799	3427	3932	4402	3961
Small grain	1031	2055	1236	807	1022	1147	708	873	659	598
Other crops	400	879	1023	1759	1816	2995	3421	4862	6180	6452
Machinery and equipment sold	196	364	367	266	289	417	298	313	550	457
Agricultural adjustment payment	370	65	64	44	96	34	25	34	28	33
Income from work off the farm	174	313	349	398	350	305	346	502	476	593
Miscellaneous	224	78	137	306	293	358	444	462	372	503
Total farm sales	\$13039	\$19708	\$24661	\$31476	\$37580	\$39779	\$42847	\$44161	\$46853	\$49315
Increase in farm capital	1098	2395	1845	1157	2136	3483	2243	-	-	6359
Family living from the farm	553	666	553	278	309	284	299	277	271	274
Total farm receipts	\$14690	\$22769	\$27059	\$32911	\$40025	\$43546	\$45389	\$44438	\$47124	\$55948
Total farm expenses	10617	15978	22118	29790	34934	38164	40699	41626	40081	45342
Labor earnings	\$ 4073	\$ 6791	\$ 4941	\$ 3121	\$ 5091	\$ 5382	\$ 4690	\$ 2812	\$ 7043	\$10606
MEASURES OF FARM ORGANIZATION AND MANAGEMENT										
Percent high return crops*	41.2	56.4	59.7	63.4	67.0	69.9	69.4	67.1	67.1	65.4
Lvstk. units per 100 acres**	23.6	20.3	30.3	39.4	41.7	44.2	43.6	44.8	40.6	37.4
Work units***	588	501	470	469	514	510	510	567	566	556
Work units per worker***	273	285	283	279	302	300	300	334	354	321
Expenses per work unit***	\$3.02	\$6.23	\$9.49	\$12.81	\$13.45	\$13.73	\$14.30	\$13.07	\$12.56	\$14.95

* The crop ratings used in calculating the percentage of the tillable land in high return crops were changed considerably in 1944 and 1957.

** The basis for computing animal units was revised in 1951.

*** The basis for computing work units was revised in 1953.

Table 24. Summary of Miscellaneous Items by Years

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963	1964	1965
RETURN ABOVE FEED COST PER										
Dairy cow	\$61.87	\$114.96	\$111.51	\$125.34	\$155.52	\$156.03	\$115.38	\$129.56	\$148.35	\$141.25
Animal unit in beef herd	21.90	46.46	42.51	30.08	71.65	23.81	27.49	19.05	11.87	10.75
100 lbs. feeder cattle produced	3.11	8.87	5.26	5.88	5.77	2.48	6.18	-6.09	1.38	7.12
Ewe	-	-	-	-	7.14	2.93	4.80	12.27	6.88	11.06
100 lbs. hogs produced	4.05	6.29	6.23	4.52	6.10	5.44	4.53	1.85	3.50	11.22
Hen	1.72	2.15	1.09	1.05	1.63	.97	.64	.69	.63	.28
FEED COST PER										
Dairy cow	67.74	121.21	142.90	147.40	152.64	177.88	203.16	131.76	193.17	213.32
Animal unit in beef herd	38.90	68.30	97.48	83.69	73.70	76.40	65.04	77.43	72.28	72.46
100 lbs. feeder cattle produced	14.56	21.66	22.68	17.70	16.69	17.59	19.33	19.15	18.84	21.12
Ewe	-	-	-	-	12.94	12.92	13.06	13.68	14.48	15.10
100 lbs. hogs produced	7.36	12.70	12.95	10.48	10.16	10.20	10.73	11.40	10.76	12.22
Hen	2.28	4.28	4.66	3.89	3.22	3.56	3.50	3.51	3.44	3.48
MISCELLANEOUS LIVESTOCK INFORMATION										
Number of dairy cows	8.1	5.3	4.7	5.2	5.5	5.9	5.1	5.4	6.7	6.1
Head in beef breeding herd	10.5	9.4	11.1	10.6	4.1	5.3	4.5	4.9	5.9	4.3
Pounds feeder cattle produced	9336	6676	12137	27685	38554	39059	40633	47896	43504	43527
Litters of pigs	18.5	19.5	21.7	24.6	25.6	28.9	28.2	30.0	27.5	27.8
Pounds of hogs produced	30411	34292	37265	44369	45578	51584	53713	56129	57134	52981
Number of hens	197	202	187	204	210	190	239	232	224	193
Pounds of BF per dairy cow	246	257	282	311	344	352	340	346	362	365
Number of pigs weaned per litter	6.1	6.3	6.7	7.2	6.7	7.2	7.0	7.1	7.2	7.2
Percent lamb crop	105	109	107	111	108	99	90	114	102	101
Eggs per hen	134	171	180	200	204	208	209	208	211	205

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

Items	Average 1940-44	Average 1945-49	Average 1950-54	Average 1955-59	1960	1961	1962	1963	1964	1965
PRICE RECEIVED FOR										
Pound of BF in milk	\$.64	\$.98	\$.94	\$.91	\$.92	\$.97	\$.94	\$.93	\$.95	\$.98
100 pounds fat cattle	11.73	21.71	26.61	22.51	23.63	22.43	24.46	22.33	21.46	23.72
Pound of wool	.38	.41	.60	.51	.59	.54	.62	.56	.61	.53
Dozen eggs	.26	.37	.35	.29	.29	.29	.26	.26	.26	.25
100 pounds hogs sold	10.86	19.54	19.43	15.96	15.18	16.43	16.17	14.80	14.65	20.34
PRICE OF FEED										
Corn, bu.	.70	1.24	1.31	1.11	.96	.94	.96	1.05	1.06	1.13
Oats, bu.	.46	.74	.74	.59	.58	.60	.61	.62	.63	.63
Barley, bu.	.58	1.31	1.15	.92	.87	.93	.99	.84	.90	.98
Alfalfa hay, ton	10.00	18.60	18.30	18.20	19.50	19.50	19.00	19.00	20.00	23.00
Timothy hay, ton	6.24	10.86	10.60	10.58	11.20	11.30	11.00	11.00	11.60	13.00
Corn silage, ton	3.20	6.07	6.00	6.08	6.50	6.75	6.50	6.50	6.75	7.75
Soybean meal, cwt.	2.51	4.15	4.50	-	3.85	4.35	4.40	4.60	4.60	4.60
ACRES PER FARM										
Small grains	89.9	73.9	70.5	48.8	48.3	40.4	40.7	40.5	27.4	26.3
Cultivated crops	89.5	100.3	107.0	153.7	185.9	167.6	169.7	198.3	213.3	228.9
Tillable land in hay	27.4	19.1	28.1	34.9	34.7	29.5	28.7	30.6	31.5	29.1
Tillable land in pasture	24.5	15.2	14.8	13.2	6.7	8.3	7.3	5.7	6.0	6.1
Tillable land not cropped	5.1	2.4	1.4	2.2	1.6	26.1*	39.2*	26.1*	36.6*	46.4*
Total tillable land	236.4	210.9	221.8	252.8	277.2	271.9	285.6	301.2	314.8	336.8
Non-tillable land	45.6	43.1	43.4	40.5	43.3	41.5	45.6	45.1	47.7	48.2
Total acres per farm	282.0	254.0	265.2	293.3	320.5	313.4	331.2	346.3	362.5	385.0
YIELDS PER ACRE										
Flax, bu.	10.5	13.7	11.5	13.0	16.1	16.8	9.8	12.8	12.7	18.2
Barley, bu.	25.1	34.1	29.0	34.6	42.7	42.6	25.0	30.5	46.8	-
Oats, bu.	40.4	46.3	41.4	51.7	56.0	59.9	48.6	50.1	59.2	61.2
Corn grain, bu.	49.7	47.8	53.7	57.1	64.7	74.6	66.2	78.0	73.2	62.7
Corn silage, tons	8.9	8.4	9.2	9.7	10.2	13.9	10.8	12.3	11.7	10.7
Soybeans, bu.	17.8	14.4	19.8	22.5	24.7	27.4	23.2	27.7	24.7	20.2
Alfalfa hay, tons	2.2	2.1	2.5	2.5	2.8	3.1	3.0	3.1	2.8	2.8

* Including feed grain program