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1957

Annual Report

SOUTHWESTERN 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
10 Southwestern Minnesota Counties

and the

Southwest Minnesota Farm Management Association
Cooperating

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Report No. 239
Department of Agricultural Economics
Institute of Agriculture
St. Paul 1, Minnesota
June, 1958

1957 ANNUAL REPORT OF THE SOUTHWESTERN MINNESOTA FARM MANAGEMENT SERVICE

Prepared by T. R. Nodland, G. A. Pond, M. R. Behr and D. E. Erickson

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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 Southwest 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.

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 Harland Routhe. Paul Calvin was the field agent for this project until September 1 and was followed by Gene Stevermer. At the end of the year S. A. Engene, R. B. Zoller and Paul Hoepner of the Department of Agricultural Economics, and Paul Hasbargen 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 Associations, and the county agricultural extension agents who cooperated in 1957.

Southwestern Minnesota

County	No. of records	Association Officers	County Agricultural Extension Agent
Cottonwood	11	Walter Schmotzer, Director Wayne Strong, President	Herman Vossen
Faribault	15	Glenn Kaehler, Director	James V. Johnson
Jackson	20	Arnold Hussong, Director George Russell, Director	Ray Palmby
Martin	8	John Worthly, Director	Robert McDell
Murray	18	Arthur Foster, Secy-Treas. Robert Keller, Director	George E. Records
Nobles	42	Dale Hansberger, Vice Pres. Rolland Strom, Director Marian Lester, Director M. J. Fellows, Director	Ross Huntsinger
Pipestone	7	Kenneth Butman, Director	Clem Chase
Redwood	19	Melvin Manguson, Director	J. I. Swedberg
Rock	1		Gregory Leuhr
Watowan	6	Clayton Johnson, Director	John Ankeny
Total	147		

The data for 131 farms are shown in the tables on succeeding pages. Thirteen farms were omitted from all of the averages in the tables because the records were not sufficiently complete for a full analysis. Three records were not returned for analysis following completion of income tax schedules.

Because the farmers included in this study are, in general, above the average in managerial ability and operate larger and more productive farms, they have returns materially higher than the average for this section of the state. There were, nevertheless, wide variations in the methods and practices followed by these men. It is reasonable to assume that similar variation 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, 1957*

Items	Your farm		Average of 131 farms	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)			272	
Size of business (work units)**			472	
Dairy and dual purpose cows	\$	\$	\$ 1028	\$ 1087
Other dairy & dual purpose cattle			447	554
Beef cattle (incl. feeders)			7132	9874
Hogs			2303	2554
Sheep (including feeders)			632	575
Poultry (including turkeys)			229	274
Productive livestock (total)	\$	\$	\$11771	\$14918
Horses			19	23
Crop, seed and feed			9843	8327
Auto (farm share)			1519	1560
Tractors			2277	2301
Crop and general machinery			4619	4732
Livestock equipment and supplies			998	1119
Machinery and equipment (total)			\$ 9413	\$ 9712
Land			29285	29285
Buildings, fences, etc.			12037	11998
Total farm capital	\$	\$	\$72368	\$74263

Items	26 most profitable farms		26 least profitable	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Size of farm (acres)	356		307	
Size of business (work units)**	618		458	
Dairy and dual purpose cows	\$ 1250	\$ 1681	\$ 1039	\$ 1028
Other dairy & dual purpose cattle	354	452	678	855
Beef cattle (incl. feeders)	11974	18228	5957	5986
Hogs	3729	3968	1182	1552
Sheep (including feeders)	49	54	1750	1425
Poultry (including turkeys)	258	316	178	263
Productive livestock (total)	\$17614	\$24699	\$10784	\$11109
Horses	6	6	15	22
Crop, seed and feed	11328	11254	10930	7488
Auto (farm share)	1534	1717	1385	1372
Tractors	2908	3238	2469	2141
Crop and general machinery	5763	5891	4800	4629
Livestock equipment and supplies	1301	1503	1090	1079
Machinery and equipment (total)	\$11506	\$12349	\$ 9744	\$ 9221
Land	33900	33900	33830	33830
Buildings, fences, etc.	15970	16582	14181	13421
Total farm capital	\$90324	\$98790	\$79484	\$75091

* 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), 1957

Items	Your farm	Average of 131 farms	26 most profitable farms	26 least profitable farms
FARM RECEIPTS				
1. Dairy cattle		\$ 481	\$ 358	\$ 600
2. Dairy products		1540	1149	1458
3. Beef cattle (including feeding cattle)		12392	22562	8860
4. Hogs		7577	12588	3389
5. Sheep and wool		1327	84	5042
6. Horses		5	-	-
7. Poultry (including turkeys)		544	105	1435
8. Eggs		953	1069	758
9. Corn		2933	2713	4366
10. Small grain		595	652	592
11. Other crops		1666	2246	1633
12. Machinery & equipment sold		280	312	183
13. Income from work off the farm		390	529	347
14. Miscellaneous		329	423	327
15. Total farm sales		\$31012	\$45090	\$28990
16. Increase in farm capital		1895	8466	-
17. Family living from the farm		266	354	250
18. Total farm receipts		\$33173	\$53910	\$29240
FARM EXPENSES				
19. Dairy and dual-purpose cattle bought		\$ 121	\$ 88	\$ 54
20. Beef cattle bought (incl. feeding cattle)		7050	12424	3998
21. Hogs bought		462	989	365
22. Sheep bought		786	12	3440
23. Horses bought		7	-	9
24. Poultry bought (including turkeys)		258	116	665
25. Misc. livestock expenses		511	673	552
26. Feed bought		5182	8777	3828
27. Fertilizers		838	1031	915
28. Other crop expenses		890	1160	833
29. Custom work hired		688	848	796
30. Gas, oil and grease bought (farm share)		1043	1215	1018
31. Repairs for tractors, trucks & autos (farm share)		521	710	471
32. Repair and upkeep of farm real estate		316	302	238
33. Repair and upkeep of crop & gen. mach.		408	496	454
34. Repair and upkeep of livestock equip.		207	291	174
35. Wages of hired labor		1024	1404	1143
36. Electricity expense		222	255	224
37. Pers. prop. and real estate taxes		866	1088	881
38. Telephone and general farm expense		342	426	326
39. Total cash operating expense		\$21742	\$32305	\$20384
40. Mechanical power bought (farm share)		852	1468	502
41. Crop and general machinery bought		1123	1294	818
42. Livestock equipment bought		332	499	182
43. New real estate improvements		782	1588	113
44. Total farm purchases		\$24831	\$37154	\$21999
45. Decrease in farm capital		-	-	4393
46. Interest on farm capital		3666	4728	3864
47. Unpaid family labor		341	380	309
48. Board furnished hired labor		89	133	89
49. Total farm expenses		\$28927	\$42395	\$30654
50. Labor earnings		\$ 4246	\$11515	\$-1414

Table 3. Summary of Farm Earnings (Enterprise Statement), 1957*

Items	Your farm	Average of 131 farms	26 most profitable farms	26 least profitable farms
RETURNS AND NET INCREASES				
1. Dairy and dual-purpose cows	\$ _____	\$ 1576	\$ 1500	\$ 1500
2. Other dairy & dual-purpose cattle	_____	519	455	805
3. Beef breeding herd	_____	560	722	752
4. Feeder cattle	_____	7691	16245	4188
5. Hogs	_____	7421	11934	3415
6. Sheep - farm flock	_____	357	77	643
7. Sheep - feeders	_____	128	-	637
8. Turkeys	_____	318	-	863
9. Chickens	_____	1020	1173	808
10. All productive livestock	\$ _____	\$ 19590	\$ 32106	\$ 13611
11. Value of feed fed to livestock	_____	12123	18876	9629
12. Return over feed from livestock	\$ _____	\$ 7467	\$ 13230	\$ 3982
13. Crops, seed and feed	_____	8855	13366	7196
14. Income from labor off the farm	_____	239	237	238
15. Agricultural conservation payments	_____	68	63	99
16. Miscellaneous	_____	261	360	228
17. Total returns and net increases	\$ _____	\$ 16890	\$ 27256	\$ 11743
EXPENSES AND NET DECREASES				
18. Horses	\$ _____	\$ 4	\$ 3	\$ 12
19. Truck	_____	288	447	212
20. Auto (farm share)	_____	571	536	607
21. Tractor	_____	1200	1505	1252
22. Electricity (farm share)	_____	233	267	244
23. Hired power	_____	295	383	311
24. Total power	\$ _____	\$ 2591	\$ 3141	\$ 2638
25. Crop and general machinery	_____	1444	1615	1620
26. Livestock equipment	_____	410	587	372
27. Buildings, fencing, and tiling	_____	1129	1277	1101
28. Misc. productive livestock expenses	_____	511	673	552
29. Labor	_____	1685	2206	1803
30. Real estate taxes	_____	704	883	714
31. Personal property tax	_____	162	205	167
32. Insurance	_____	155	221	119
33. General farm	_____	187	205	207
34. Interest on farm capital	_____	3666	4728	3864
35. Total expenses and net decreases	\$ _____	\$ 12644	\$ 15741	\$ 13157
36. Labor earnings	\$ _____	\$ 4246	\$ 11515	\$ -1414

* 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, 1957 (Operator's Share)

Items	Your farm		26 Owners	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm			230	
Owned			230	
Rented			-	
Total farm capital	\$	\$	\$55669	\$57219
Stocks and bonds			2185	1967
Life insurance			2489	2760
Notes and accounts receivable			912	875
Shares in cooperative organizations			657	699
Outside real estate			4198	4132
Cash on hand and in bank			1789	2610
Household furnishings and clothing			2463	2508
Personal share of auto			690	720
Farm dwelling			4596	5002
Total non-farm assets	\$	\$	\$19979	\$21273
Total assets			75648	78492
Federal Land Bank mortgage			2373	2304
Other mortgages on farm operated			7969	8104
Loans on other real estate			-	-
Production Credit Association loans			1028	1767
Sealed grain			685	672
Other chattel mortgages			2382	2737
Notes payable			2290	2467
Accounts payable			823	514
Total liabilities	\$	\$	\$17550	\$18565
Farmer's net worth	\$	\$	\$58098	\$59927
Change in net worth				+ 1829

Items	18 part-owners**		28 renters***	
	Jan. 1	Dec. 31	Jan. 1	Dec. 31
Total acres in farm	273		284	
Owned	145		-	
Rented	128		284	
Total farm capital	\$52979	\$54585	\$23351	\$26150
Stocks and bonds	2261	2344	1272	1316
Life insurance	1732	1887	1423	1595
Notes and accounts receivable	122	156	446	381
Shares in cooperative organizations	674	716	175	193
Outside real estate	481	494	1492	1751
Cash on hand and in bank	1102	788	2282	2541
Household furnishings and clothing	2828	2939	2389	2573
Personal share of auto	581	696	515	449
Farm dwelling	4016	4029	-	-
Total non-farm assets	\$13797	\$14049	\$ 9994	\$10799
Total assets	66776	68634	33345	36949
Federal Land Bank mortgage	3017	2951	-	-
Other mortgages on farm operated	8513	7670	-	-
Loans on other real estate	44	44	-	245
Production Credit Association loans	838	571	135	217
Sealed grain	576	593	744	724
Other chattel mortgages	1607	1988	3743	4042
Notes payable	3304	3905	1956	2279
Accounts payable	982	798	406	711
Total liabilities	\$18881	\$18520	\$ 6984	\$ 8218
Farmer's net worth	\$47895	\$50114	\$26361	\$28731
Change in net worth		+2219		+2370

* 6 rented for cash, 6 cash and crop share, and 6 crop share

** 6 rented for cash, 13 cash and crop share, 9 livestock and crop share.

Table 5. Summary of Farm Earnings by Tenure, 1957 (Operator's share)

Items	Your farm	26 owners	18 part owners	28 renters
FARM RECEIPTS				
Dairy and dual-purpose cattle	\$ _____	\$ 641	\$ 769	\$ 392
Dairy products	_____	1930	1754	1508
Beef cattle (including feeders)	_____	12190	7837	7883
Hogs	_____	8852	8625	6523
Sheep and wool (including feeders)	_____	744	368	181
Horses	_____	-	24	-
Poultry (including turkeys)	_____	2359	161	63
Eggs	_____	970	1664	544
Corn	_____	1315	1787	1342
Small grain	_____	489	284	380
Other crops	_____	989	1164	758
Machinery and equipment sold	_____	374	191	206
Income from work off the farm	_____	289	473	322
Miscellaneous	_____	378	388	255
(1) Total farm sales	\$ _____	\$31520	\$25489	\$20357
(2) Increase in farm capital	_____	1550	1606	2799
(3) Family living from the farm	_____	221	331	269
(4) Total farm receipts (1)+(2)+(3)	\$ _____	\$33291	\$27426	\$23425
FARM EXPENSES				
Dairy and dual-purpose cattle bought	\$ _____	\$ 128	\$ 316	\$ 126
Beef cattle bought (including feeders)	_____	7169	4956	4429
Hogs bought	_____	297	161	430
Sheep bought (including feeders)	_____	13	118	70
Horses bought	_____	6	27	3
Poultry (including turkeys)	_____	859	190	69
Miscellaneous livestock expense	_____	631	447	425
Feed	_____	7122	4331	4252
Fertilizers	_____	594	697	610
Other crop expense	_____	686	738	648
Custom work hired	_____	673	764	532
Gas, oil and grease	_____	946	1023	779
Rep. tractor, truck & auto (farm share)	_____	506	476	465
Rep. and upkeep of real estate	_____	344	290	48
Rep. and upkeep of crop & gen. mach.	_____	290	421	364
Rep. and upkeep of livestock equip.	_____	192	225	127
Wages of hired labor	_____	1121	1107	802
Electricity expense (farm share)	_____	218	213	174
Real estate and pers. prop. taxes	_____	736	488	133
Cash rent	_____	-	477	879
General farm and insurance	_____	379	340	227
Interest paid	_____	775	723	339
Total cash operating expense	\$ _____	\$23685	\$18528	\$15931
Mechanical power bought (farm share)	_____	944	691	548
Crop and general machinery bought	_____	1076	1075	1172
Livestock equipment bought	_____	463	268	223
New real estate improvements	_____	820	1057	133
(5) Total farm purchases	\$ _____	\$26988	\$21619	\$18007
(6) Decrease in farm capital	_____	-	-	-
(7) Interest on farm capital	_____	2047	1966	899
(8) Unpaid family labor	_____	182	261	172
(9) Board furnished hired labor	_____	90	97	74
(10) Total farm exp. (5)+(6)+(7)+(8)+(9)	_____	\$29307	\$23943	\$19152
(11) Labor earnings (4)-(10)	\$ _____	3984	3483	4273
(12) Ret. to cap. & fam. lab. (7)+(8)+(11)	\$ _____	6213	5710	5344

Table 6. Household and Personal Expenses for
Those Farms Which Kept Complete Accounts of These Expenses, 1957

Items	Your farm	Average of 50 farms	10 most profitable farms	10 least profitable farms
Number of persons - family	_____	4.6	6.1	3.0
Number of adult equivalent - family other*	_____ _____	3.4 .2	4.1 .3	2.4 .3
EXPENSES				
Food and meals bought	\$ _____	\$ 950	\$1203	\$ 798
Operating and supplies	_____	345	396	363
Furnishings and equipment	_____	372	641	130
Clothing and clothing materials	_____	377	453	267
Personal care and spending	_____	90	72	58
Education and recreation	_____	241	278	281
Gifts and special events	_____	137	140	125
Medical and hospital insurance	_____	378	500	242
Church and welfare	_____	342	270	497
Personal share of auto expense	_____	179	176	134
Upkeep on dwelling	_____	127	50	34
Pers. share of tel. and elect. exp.	_____	109	126	101
Total cash living expense	\$ _____	\$3647	\$4305	\$3030
Personal share new autos	_____	132	69	263
New dwelling	_____	112	-	-
Taxes	_____	433	248	853
Life insurance	_____	365	577	246
Other savings and investments	_____	167	500	41
Total household & pers. cash exp.	\$ _____	\$4856	\$5699	\$4433
Family living from the farm	_____	279	373	179
Total cash exp. & perquisites	\$ _____	\$5135	\$6072	\$4612
RECEIPTS				
Return to capital and family labor	\$ _____	\$5356	\$9318	\$1369
Income from outside investments	_____	163	223	198
Other personal income	_____	676	30	2047

* Hired help or others boarded.

Table 7. Family Living from the Farm, 1957

Items	Your farm	Average of 131 farms	Your farm	Average of 131 farms
No. of adult equivalents:				
Family	_____	3.3		
Other*	_____	.2		
Whole milk	_____	570 qts.	_____	\$38.42
Skim milk	_____	55 qts.	_____	.55
Cream	_____	19 pts.	_____	4.08
Cattle	_____	592 lbs.	_____	111.64
Hogs	_____	325 lbs.	_____	56.22
Sheep	_____	3 lbs.	_____	.45
Poultry	_____	95 lbs.	_____	17.23
Eggs	_____	134 doz.	_____	37.73
Total			\$ _____	\$266.32

* 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	5		XXXXX	\$-1718
1	17	_____	XXX	807
2	22	_____	XXXXX	1489
3	22	_____	XXXXXXXXXXXXXXXXXX	3863
4	34	_____	XXXXXXXXXXXXXXXXXXXXXX	5525
5	17	_____	XXXXXXXXXXXXXXXXXXXXXXXXXX	6744
6 or 7	14	_____	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	9348

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, 1957

Measures used in chart on page 11	Your farm	Average of 131 farms	26 most profit- able farms	26 least profit- able farms
Labor earnings	_____	\$4246	\$11515	\$-1414
Crop yields*	_____	100	108	92
Per cent tillable land in high ret. crops**	_____	60.8	64.5	59.1
Ret. for \$100 feed to prod. livestock***	_____	100	108	90
Prod. livestock units per 100 acres****	_____	39.6	55.0	29.7
Size of business-work units	_____	472	618	458
Work units per worker	_____	278	325	286
Pow., mach., equip., & bldg. exp. per work unit	_____	\$12.50	\$10.94	\$14.20
Items related to some of the above measures:				
Index of return for \$100 feed from:				
Dairy cattle (see pages 16 and 17)	_____	100	92	92
Beef cattle-breeding herd (see page 18)	_____	100	124	81
Beef cattle-feeders (see page 18)	_____	100	112	82
Hogs (see page 15)	_____	100	106	97
Sheep-farm flock (see page 19)	_____	100	83	81
Sheep-feeders	_____	100	-	-
Turkeys	_____	100	-	-
Chickens (see page 20)	_____	100	103	102
Number of animal units	_____	101.1	163.7	81.4
Work units on crops	_____	147	188	148
Work units on productive livestock	_____	301	406	286
Other work units	_____	24	24	24
Number of family workers	_____	1.2	1.3	1.1
Number of hired workers	_____	.5	.6	.5
Total number of workers	_____	1.7	1.9	1.6
Power expense per work unit	_____	\$5.88	\$5.23	\$6.59
Crop machinery expense per work unit	_____	3.27	2.65	4.05
Livestock equip. expense per work unit	_____	.84	.97	.76
Bldg. & fencing exp. per work unit	_____	2.51	2.09	2.80

* 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 per cent of tillable land in high return crops.

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

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

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 131 farms included in this summary are located between the dotted lines across the center of this page.

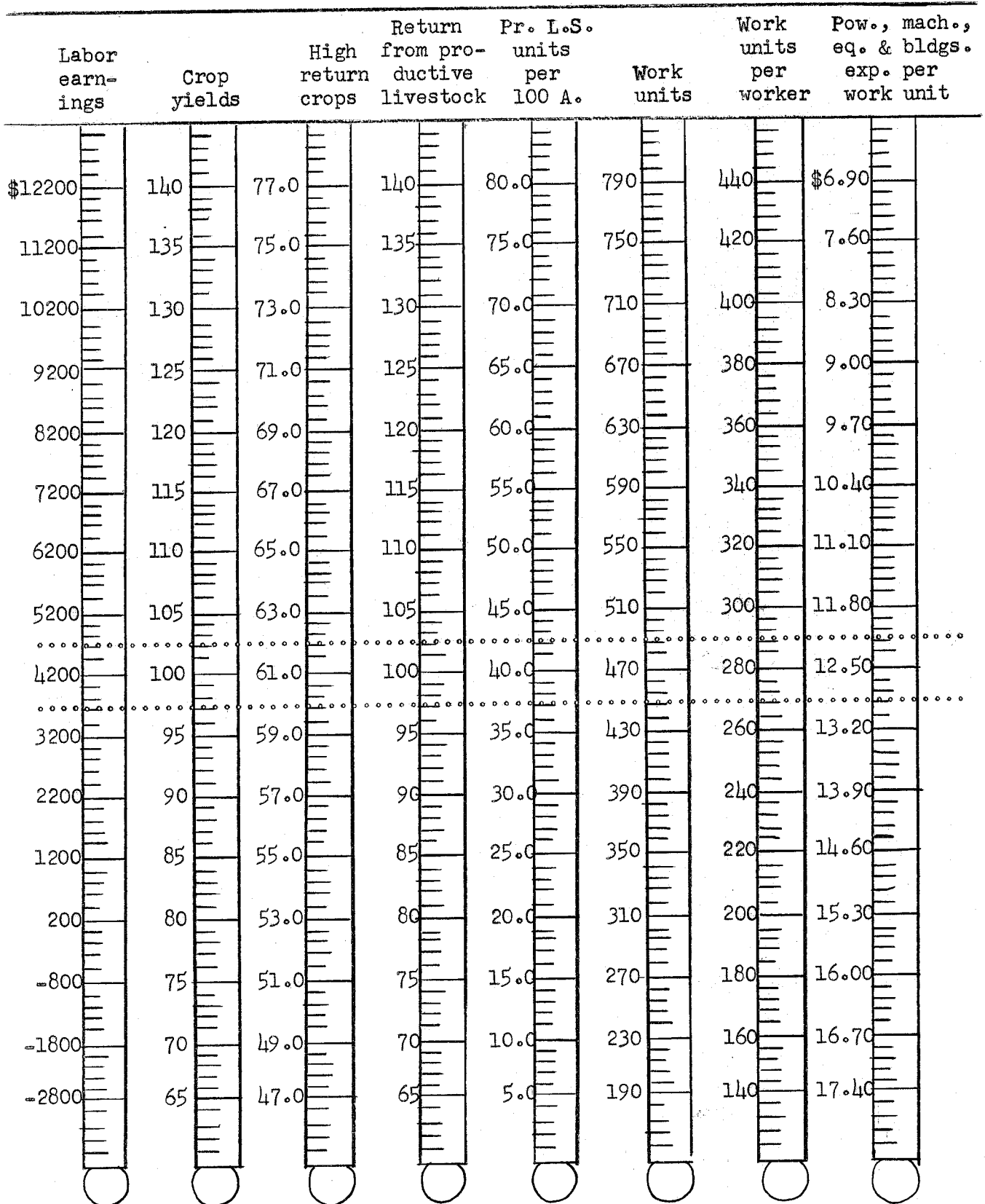


Table 10. Distribution of Acres in Farm, 1957

Crop	Crop ratings*	Number growing this crop	Your farm	Average of 131 farms
Canning peas	B	5	_____	.8
Flax	C	27	_____	7.1
Wheat	C	5	_____	.6
Oats for silage	C	26	_____	3.4
Oats for grain	D	122	_____	37.8
Barley	D	12	_____	2.7
Total small grain and peas		129	_____	52.4
Seed corn, potatoes, truck crops	A	1	_____	.1
Corn grain	A	129	_____	105.5
Sweet corn	B	6	_____	.9
Soybeans for grain	B	83	_____	33.1
Corn silage	B	70	_____	7.5
Sorghum for grain	D	11	_____	.8
Total cultivated crops		131	_____	147.9
Alfalfa hay	B	125	_____	33.2
Other legumes and mixtures	C	10	_____	1.8
Timothy and brome hay or seed	D	3	_____	.4
Annual hay	D	2	_____	.4
Total tillable land in hay		129	_____	35.8
Alfalfa pasture	B	64	_____	7.9
Other legumes and mixtures	C	6	_____	.9
Sudan and/or rape	C	5	_____	.3
Other tillable pasture	D	36	_____	3.8
Total tillable land in pasture		93	_____	12.9
Soil bank	A	7	_____	1.6
Tillable land not cropped	D	8	_____	.9
Total tillable land		131	_____	251.5
Wild hay		15	_____	1.4
Non-tillable pasture		70	_____	19.2
Timber not pastured		14	_____	1.2
Roads and waste			_____	10.1
Farmstead			_____	9.1
Total acres in farm			_____	292.5
Percent land tillable			_____	86.0
Percent tillable land in high return crops			_____	60.8

* 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, 1957

Crop	Your farm	Average of farms growing each crop
Canning peas, dollars	_____	\$39.80
Flax, bu.	_____	9.0
Wheat, bu.	_____	21.8
Oats silage, tons	_____	6.3
Oats grain, bu.	_____	42.1
Barley, bu.	_____	26.9
Corn grain, bu.	_____	63.5
Sweet corn, tons	_____	3.6
Soybeans, bu.	_____	26.8
Corn silage, tons	_____	10.3
Sorghum, bu.	_____	33.9
Alfalfa hay, tons	_____	2.7
Other legumes and mixtures, tons	_____	2.0
Timothy or brome hay, tons	_____	1.5
Wild hay, tons	_____	.8

Table 12. Average Price of Feeds, 1957

Item	Value	Item	Value
Ear corn, per bu.	\$1.10	Alfalfa hay, per ton	\$17.00
Oats, per bu.	.61	Red or alsike clover hay, /ton	14.40
Barley, per bu.	.91	Timothy, per ton	9.80
Wheat, per bu.	2.07	Wild hay, per ton	8.50
Bran, per cwt.	2.50	Corn silage, per ton	5.80
Linseed oil meal, per cwt.	3.50	Pasture, per mo. per cow	2.50
Meat scraps, per cwt.	4.70	Skim milk per cwt.	.30

Table 13. Power and Machinery Expenses per Crop Acre, 1957

Items	Your farm	Average of 131 farms	26 most profitable farms	26 least profitable farms
Crop acres per farm	_____	237	298	227
Tractor exp. per crop acre	_____	\$5.49	\$5.52	\$5.54
Crop & gen. mach. exp. per crop acre	_____	6.43	5.78	7.20

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, 1957

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

Table 15. Feed Costs and Returns from Hogs, 1957

Items	Your farm	Average of 108 farms	22 farms highest in returns above feed	22 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.:				
Corn	_____	297	240	372
Small grain	_____	72	58	77
Commercial feeds	_____	64	45	74
Total concentrates	_____	433	343	523
Skim milk, buttermilk and whey	_____	3	-	5
Feed cost per cwt. hogs produced:				
Concentrates	\$ _____	\$10.31	\$ 7.95	\$12.51
Skim milk, buttermilk and whey	_____	.01	-	.02
Pasture	_____	.07	.08	.09
TOTAL FEED COSTS	\$ _____	\$10.39	\$ 8.03	\$12.62
Net increase in value per cwt. hogs produced	\$ _____	\$17.83	\$18.78	\$16.77
RETURNS ABOVE FEED COST PER CWT. HOGS PRODUCED	\$ _____	\$ 7.44	\$10.75	\$ 4.15
RETURNS FOR \$100 OF FEED	\$ _____	\$ 180	\$ 245	\$ 135
Price received per cwt. hogs sold	\$ _____	\$17.86	\$18.01	\$17.63
No. of spring litters raised	_____	17.2	13.1	18.7
No. of fall litters raised	_____	9.3	8.5	8.7
Total no. of litters raised	_____	26.5	21.6	27.4
No. of pigs born per litter	_____	9.1	9.6	8.4
No. of pigs weaned per litter	_____	7.3	8.1	6.6
Pounds of hogs produced	_____	50431	40640	54230

Table 16. Factors of Cost and Returns from Dairy Cows, 1957

Items	Your farm	Average of 38 farms	13 farms highest in butterfat per cow	13 farms lowest in butterfat per cow
Pounds of butterfat per cow	_____	301	367	232
Pounds of milk per cow*	_____	8666	10605	6406
% of butterfat in milk	_____	3.6	3.4	3.7
Price rec. per lb. B.F. sold (¢)	_____	86.9	95.5	81.2
As manufacturing cream (cents)	_____	65.0	63.9	69.3
Other (cents)	_____	91.9	98.2	86.4
Price rec. per cwt. milk sold**	\$ _____	\$ 3.29	\$ 3.33	\$ 3.20
Feeds per cow, lbs.:				
Corn	_____	1949	2175	1354
Small grain	_____	582	678	618
Commercial feeds	_____	329	462	166
Legume hay	_____	4982	5708	4332
Other hay	_____	188	176	375
Total concentrates	_____	2860	3315	2138
Total hay and fodder	_____	5170	5884	4707
Silage	_____	8099	8210	7994
Feed cost per cow:				
Concentrates	\$ _____	\$ 67.10	\$ 75.23	\$ 46.47
Roughages	_____	64.32	72.45	63.48
Pasture	_____	10.44	8.65	12.17
TOTAL FEED COST	_____	\$141.86	\$156.33	\$122.12
Value of produce per cow:				
Dairy product sales	\$ _____	\$247.48	\$333.33	\$171.85
Dairy produce used in home	_____	7.11	4.65	9.97
Milk to livestock	_____	9.76	9.50	11.67
Net increase in value of cows	_____	.71	-.63	12.55
TOTAL VALUE PRODUCED	\$ _____	\$265.06	\$346.85	\$206.04
RETURNS ABOVE FEED COST PER COW	\$ _____	\$123.20	\$190.52	\$ 83.92
RETURNS FOR \$100 OF FEED	_____	\$190	\$232	\$166
Feed cost per lb. B.F. (cents)	_____	47.1	42.6	52.6
Number of cows**	_____	18.6	24.3	12.6

* Average for farms selling whole milk.

** 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, 1957

Items	Your farm	Average of 35 farms*	13 farms highest in butterfat per cow	11 farms lowest in butterfat per cow*
Feed per head, lbs.:				
Concentrates	_____	656	665	488
Hay and fodder	_____	1742	1858	1580
Silage	_____	2940	2817	3173
Skim milk	_____	106	60	263
Whole milk	_____	300	232	395
TOTAL FEED COSTS PER HEAD	\$ _____	\$51.27	\$49.73	\$51.45
Net inc. in value of other dairy cattle	\$ _____	81.46	84.69	73.71
RETURNS ABOVE FEED COST PER HEAD	\$ _____	30.19	34.96	22.26
RETURNS FOR \$100 OF FEED	\$ _____	\$159	\$170	\$143
Number of head of other dairy cattle	_____	22.9	27.0	14.2

* Three farmers had both a milking herd and a beef herd, used a beef bull, and included all the young stock in the beef herd.

Table 18. Feed Costs and Returns from All Dairy Cattle, 1957

Items	Your farm	Average of 38 farms	13 farms highest in butterfat per cow	13 farms lowest in butterfat per cow
Feeds per animal unit, lbs.:				
Concentrates	_____	2293	2651	1778
Hay and fodder	_____	4421	4941	4121
Silage	_____	7506	7207	7601
TOTAL FEED COSTS PER ANIMAL UNITS	\$ _____	\$121.14	\$131.98	\$107.70
Value of produce per animal unit:				
Dairy products	\$ _____	\$168.21	\$221.44	\$129.88
Net increase in val. of dairy cattle	_____	55.41	59.67	49.52
TOTAL VALUE PRODUCED	\$ _____	\$223.62	\$281.11	\$179.40
RETURNS ABOVE FEED PER ANIMAL UNIT	\$ _____	\$102.48	\$149.13	\$ 71.70
RETURNS PER \$100 OF FEED	\$ _____	\$187	\$221	\$165
Animal units of dairy cattle	_____	29.4	37.9	18.7

Table 19. Feed Costs and Returns from Beef Cattle, 1957

Items	Your farm	Average of all farms
Beef breeding herd: No. of farms:		24
Feeds per animal unit, lbs.:		
Concentrates		1086
Legume		3517
Other hay		296
Fodder and stover		4
Silage		2836
Skim milk*		16
Feed Cost per animal unit:		
Concentrates	\$	\$ 22.32
Roughages		40.05
Milk		.08
Pasture		17.96
TOTAL FEED COST		\$ 80.41
Value of produce per animal unit:		
Dairy products	\$	\$ 6.41
Net increase in value of animal		101.98
TOTAL VALUE PRODUCED		\$108.39
RETURNS ABOVE FEED COST PER ANIMAL UNITS		27.98
RETURNS FOR \$100 OF FEED	\$	\$144
Lbs. beef produced		19727
Number of cows and herd bulls		26.7
Number of other beef cattle		26.3
Number of animal units in the herd		30.0
Feeding Cattle: No. of farms:		91
Feeds per cwt. beef produced, lbs.:		
Corn		511
Small grain		19
Commercial feeds		43
Legume hay		319
Other hay		39
Total concentrate		573
Total hay		358
Silage		539
Feed cost per cwt. beef produced		
Concentrates	\$	\$12.51
Roughages		4.50
Pasture		.43
TOTAL FEED COSTS	\$	\$17.44
Net increase in value of feeders		27.58
RETURNS ABOVE FEED COST PER CWT. BEEF PROD.		10.14
RETURNS FOR \$100 OF FEED	\$	\$165
Price paid per cwt. beef bought	\$	\$22.73
Price received for feeder cattle sold		21.59
Number of animal units		67.8
Pounds of beef produced		40785

* Skim milk from a dairy herd

Table 20. Feed Costs and Returns from a Farm Flock of Sheep, 1957

Items	Your farm	Average of 35 farms	12 farms highest in returns above feed	12 farms lowest in returns above feed
Feeds per head,* lbs.:				
Concentrates	_____	111	89	137
Legume hay	_____	428	322	577
Other hay	_____	24	32	14
Silage	_____	64	1	88
Feed cost per head:				
Concentrates	\$ _____	\$ 2.33	\$ 1.90	\$ 2.99
Roughages	_____	4.06	2.99	5.33
Pasture	_____	1.89	1.71	2.06
TOTAL FEED COSTS	\$ _____	\$ 8.28	\$ 6.60	\$10.38
Value of produce per head:				
Wool	\$ _____	\$ 4.03	\$ 3.66	\$ 4.26
Net increase in value of sheep	_____	12.87	16.90	10.10
TOTAL VALUE PRODUCED	\$ _____	\$16.90	\$20.56	\$14.36
RETURNS ABOVE FEED COST PER HEAD	\$ _____	\$ 8.62	\$13.96	\$ 3.98
RETURNS FOR \$100 OF FEED	\$ _____	\$246	\$377	\$147
Price per cwt. of lambs sold	\$ _____	\$21.08	\$22.13	\$20.32
Price per lb. wool sold (cts.)	_____	58.5	60.3	58.1
Pounds of wool per sheep sheared	_____	8.9	8.8	9.1
Number of ewes kept for lambing	_____	49	34	53
Per cent lamb crop***	_____	112	132	108
Per cent death loss***	_____	7.3	6.4	8.9
Pounds of sheep produced	_____	4240	3890	4736
Number of head of sheep*	_____	75.8	68.2	82.4

* 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, 1957*

Items	Your farm	Average of 83 farms	17 farms highest in return above feed	17 farms lowest in return above feed
Feed per hen, lbs.:				
Grain	_____	81	78	92
Commercial feeds	_____	54	49	57
Total concentrates	_____	135	127	149
TOTAL FEED COST PER HEN	\$ _____	\$3.91	\$3.64	\$4.28
Value of produce per hen:				
Eggs sold and used in house	\$ _____	\$4.85	\$5.71	\$3.88
Net increase in value of chickens	_____	.13	.98	-.40
TOTAL VALUE PRODUCED	\$ _____	\$4.98	\$6.69	\$3.48
RETURNS ABOVE FEED COST PER HEN	\$ _____	1.07	3.05	-.80
RETURNS FOR \$100 OF FEED	\$ _____	\$131	\$191	\$ 81
Price rec'd. per doz. eggs sold (cts.)	_____	28.4	29.4	27.0
Eggs laid per hen	_____	204	234	171
Ave. No. of hens on farm during year	_____	307	355	232
Per cent of hens that are pullets	_____	79	83	67
Per cent death loss of hens	_____	11	7	14
Number of chicks started:				
Pullets	_____	352	480	250
Straight run	_____	8	29	12
Cockerels	_____	38	85	30
Lbs. chickens produced	_____	1245	2201	690

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

Table 22. Feed Cost and Returns from Laying Hens, 1957

Items	Your farm	Average of 16 farms
Feed per hen, lbs.:		
Grain	_____	70
Commercial feeds	_____	35
Total concentrates	_____	105
TOTAL FEED COST PER HEN	\$ _____	\$2.79
Value of produce per hen:		
Eggs sold and used in home	\$ _____	\$4.51
Less depreciation and death loss	_____	-.89
TOTAL VALUE PRODUCED	\$ _____	\$3.62
RETURN ABOVE FEED COST PER HEN	\$ _____	\$.83
RETURN FOR \$100 OF FEED	\$ _____	\$129
Eggs laid per hen	_____	186
Price rec'd. per doz. eggs sold (cts.)	_____	28.3
Ave. No. hens on farm during year	_____	393
No. of hens on hand beginning of year	_____	416
Per cent death loss	_____	13
Per cent of hens that are pullets	_____	79

Table 23. Feed Costs and Returns from Chicks, 1957

Items	Your farm	Average of 11 farms
Feed per 100 chicks raised, lbs.:		
Grain	_____	1327
Commercial feeds	_____	840
Total concentrates	_____	2167
Total feed cost per 100 chicks raised	\$ _____	\$71.05
Net increase in value per 100 chicks	_____	98.75
RETURN OVER FEED COST PER 100 CHICKS	\$ _____	\$27.70
RETURN FOR \$100 OF FEED	\$ _____	\$139
Number of chicks bought:		
Pullets	_____	587
Cockerels	_____	102
Price paid per 100 chicks bought:		
Pullets	\$ _____	\$49.20
Cockerels	_____	20.22
Number of chicks raised	_____	651
Per cent death loss	_____	5.5
Price rec'd. per pound sold (cents)	_____	15.6

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 1/4 beef cows or bull, 1 feeder steer or heifer, 3 1/3 other beef cattle, 7 sheep, 14 lambs, 2 1/2 hogs, 5 pigs, 50 hens or 1,100 pounds of turkeys produced.

Table 24. Summary of Farm Earnings by Years

Items	Average 1940-44	Average 1945-49	1950	1951	1952	1953	1954	1955	1956	1957
No. of farms	165	140	139	122	118	153	156	146	135	131
Total farm capital	\$36133	\$40590	\$50868	\$54869	\$58082	\$62148	\$62494	\$64512	\$70144	\$73316
Monthly charge for:										
Unpaid family labor*	63	118	130	130	130	130	130	130	135	135
Board to hired labor*	23	33	36	36	36	36	36	36	38	38
FARM EXPENSES										
Dairy and dual-pur. cattle bought	120	175	321	252	264	158	82	98	196	121
Beef cattle bought (incl. feeders)	1405	2027	4120	5581	4461	2841	3482	3865	5506	7050
Hogs bought	275	447	478	395	361	427	577	384	322	462
Sheep bought (incl. feeders)	596	365	543	881	569	766	235	483	837	786
Poultry bought (incl. turkeys)	140	165	164	246	122	187	233	181	264	258
Horses bought	39	11	6	5	4	9	7	2	2	7
Miscellaneous livestock expense	140	248	328	391	369	400	403	424	468	511
Miscellaneous crop expenses	402	869	966	995	1079	1496	1633	1690	1539	1728
Feed bought	2041	3191	3807	4973	4318	4060	4456	4498	5291	5182
Custom work hired	193	356	382	406	439	468	497	587	646	688
Power machinery (new)	320	757	1164	1063	610	705	780	802	634	852
Power machinery (upkeep, gas, oil)	551	1081	1308	1336	1438	1552	1474	1570	1636	1786
Crop and general machinery (new)	335	912	1248	1121	871	779	979	719	790	1123
Crop and general machinery (upkeep)	124	284	292	306	323	333	310	338	375	408
Livestock equipment (new)	112	99	124	157	124	191	225	241	210	332
Livestock equipment (upkeep)	55	111	125	142	121	125	161	144	170	207
Buildings and fencing (new)	341	676	741	1082	1023	738	821	786	618	782
Buildings and fencing (upkeep)	149	319	331	286	331	304	306	272	254	316
Hired labor	593	794	843	910	835	928	897	895	863	1024
Taxes	330	403	534	565	627	685	701	724	804	866
Insurance	33	56	78	77	87	101	109	130	153	155
General farm	65	118	146	165	162	166	210	197	205	187
Total farm purchases	\$ 8359	\$13464	\$18049	\$21335	\$18538	\$17419	\$18578	\$19030	\$21783	\$24831
Decrease in farm capital	-	-	-	-	-	925	-	2132	-	-
Interest on farm capital	1806	2030	2543	2743	2904	3107	3125	3226	3507	3666
Unpaid family labor	310	377	360	367	335	339	390	355	371	341
Board furnished hired labor	142	107	99	79	91	100	87	95	87	89
Total farm expense	\$10617	\$15978	\$21051	\$24524	\$21868	\$21890	\$22180	\$24838	\$25748	\$28927

* These adjustments should be considered in comparing 1957 results with previous years.

Table 25. Summary of Farm Earnings by Years (continued)

Items	Average 1940-44	Average 1945-49	1950	1951	1952	1953	1954	1955	1956	1957
FARM RECEIPTS										
Dairy and dual-pur. cattle	\$ 383	\$ 573	\$ 904	\$ 781	\$ 765	\$ 572	\$ 453	\$ 524	\$ 438	\$ 481
Dairy products	783	988	885	1015	1124	1369	1033	1091	1324	1540
Beef cattle	3140	4246	6438	9411	8115	7695	7933	7478	10595	12392
Hogs	3622	6775	6801	7930	7322	7237	7983	6147	5797	7577
Sheep and wool	928	651	810	753	1057	1633	637	798	1344	1327
Poultry (incl. turkeys)	563	525	590	838	184	478	540	550	608	544
Eggs	597	1035	790	1055	875	1166	939	954	1190	953
Horses	44	23	14	6	12	4	4	4	7	5
Corn	584	1138	1542	997	1245	2742	2749	3697	3385	2933
Small grain	1031	2055	1694	1240	1217	1153	876	920	809	595
Other crops	400	879	677	901	981	1102	1454	1850	1867	1666
Machinery and equip. sold	196	364	446	644	378	170	195	222	203	280
Agric. adjustment payment	370	65	57	72	70	65	54	26	76	68
Income work off the farm	174	313	290	398	341	346	371	377	332	390
Miscellaneous	224	78	112	130	154	88	204	252	315	261
Total farm sales	\$13039	\$19708	\$22050	\$26171	\$23840	\$25820	\$25425	\$24890	\$28290	\$31012
Increase in farm capital	1098	2395	5214	2561	1216	-	1158	-	2423	1895
Family living from farm	553	666	669	708	748	344	296	271	250	266
Total farm receipts	\$14690	\$22769	\$27933	\$29440	\$25804	\$26164	\$26879	\$25161	\$30963	\$33173
Total farm expenses	10617	15978	21051	24524	21868	21890	22180	24838	25748	28927
Labor earnings	4073	6791	6882	4916	3936	4274	4699	323	5215	4246
MEAS. OF FARM ORG. AND MANAGEMENT										
Percent high return crops*	41.2	56.4	54.4	60.2	60.9	64.8	58.3	60.6	63.0	60.8
Livestock units per 100 acres**	23.6	20.3	20.0	31.7	33.2	31.3	35.4	36.1	37.8	39.6
Work units***	588	501	502	529	515	397	408	412	433	472
Work units per worker***	273	285	295	311	322	234	255	242	271	278
Expenses per work unit***	\$3.02	\$6.23	\$8.01	\$7.75	\$8.29	\$11.66	\$11.76	\$12.34	\$12.72	\$12.50

* The crop ratings used in calculating the percentage of the tillable land in high return crops was 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 26. Summary of Miscellaneous Items by Years

Items	Average 1940-44	Average 1945-49	1950	1951	1952	1953	1954	1955	1956	1957
RETURN ABOVE FEED COST PER:										
Dairy cow	\$61.87	\$114.96	\$130.70	\$139.19	\$117.68	\$93.63	\$76.34	\$94.83	\$113.19	\$123.20
Dual-purpose cow	41.43	65.98	63.97	66.65	41.22	34.32	17.94	53.23	59.34	-
Animal unit in beef herd*	21.90	46.46	85.59	130.06	30.37	-34.29	.80	-6.16	-6.13	27.98
100 lbs. feeder cattle prod.	3.11	8.87	17.09	13.00	-2.45	-6.50	5.18	1.93	4.55	10.14
Head of sheep in farm flock	4.24	8.20	14.29	13.33	-2.00	2.06	5.22	4.40	8.63	8.62
100 lbs. feeder sheep prod.	6.38	1.53	20.52	-	-9.61	.38	11.17	5.98	3.88	-
100 lbs. hogs produced	4.05	6.29	6.85	4.85	2.48	10.68	6.30	.34	4.98	7.44
Hen	1.72	2.15	.83	2.09	.62	2.20	-.27	1.48	.96	1.07
FEED COST PER:										
Dairy cow	67.74	121.21	136.67	150.85	148.11	142.90	135.97	136.98	137.55	141.86
Dual-purpose cow	53.40	101.44	123.55	108.86	114.56	114.62	103.08	94.80	111.68	-
Animal unit in beef herd*	38.90	68.30	82.24	114.85	112.04	96.31	81.98	95.93	83.88	80.41
Cwt. of feeder cattle prod.	14.56	21.66	20.13	23.44	25.01	23.44	21.40	19.06	18.09	17.44
Head of sheep in farm flock	3.26	5.62	7.06	7.59	7.77	7.95	8.81	8.94	8.76	8.28
Cwt. feeder sheep produced	11.32	26.88	25.51	-	25.28	31.86	18.44	14.17	21.52	-
100 lbs. hogs produced	7.36	12.70	12.03	14.17	13.87	12.27	12.42	11.17	10.76	10.39
Hen	2.28	4.28	4.35	4.85	4.88	4.64	4.60	4.02	4.18	3.91
MISC. LIVESTOCK INFORMATION										
No. dairy or dual-pur. cows	8.1	5.3	4.6	4.5	4.5	5.3	4.7	4.6	5.0	5.7
Head in beef breeding herd	10.5	9.4	8.0	8.9	11.6	13.4	13.4	11.7	10.0	10.0
Lbs. feeder cattle produced	9336	6676	8699	10852	12152	14674	14309	18423	23043	28405
Litters of pigs	18.5	19.5	22.7	23.4	21.5	17.7	23.2	25.2	22.2	20.4
Lbs. of hogs produced	30411	34292	37633	39702	38436	31283	39269	42517	38898	41677
No. of hens	197	202	186	180	179	187	204	182	222	200
Lbs. of butterfat per:										
Dairy cow	246	257	277	280	282	286	283	295	298	301
Dual-purpose cow	183	180	213	169	171	196	170	181	195	-
No. of pigs weaned per litter	6.1	6.3	6.5	6.6	6.7	6.7	6.9	7.0	7.3	7.3
Percent lamb crop	105	109	113	115	94	108	106	113	116	112
Eggs per hen	134	171	175	176	174	186	191	188	201	204

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

Table 26. Summary of Miscellaneous Items by Years (continued)

Items	Average 1940-44	Average 1945-49	1950	1951	1952	1953	1954	1955	1956	1957
PRICE RECEIVED PER:										
Lb. B.F. in milk	\$.64	\$.98	\$.85	\$.97	\$ 1.05	\$.96	\$.88	\$.88	\$.92	\$.92
Lb. B.F. in cream	.44	.73	.66	.76	.80	.71	.68	.61	.63	.65
100 lbs. fat cattle	11.73	21.71	27.24	33.73	30.16	20.36	21.54	20.73	19.49	21.59
100 lbs. feeder sheep	12.22	22.08	25.82	-	25.13	20.71	20.60	19.55	20.38	-
Pound of wool	.38	.41	.55	1.00	.42	.53	.49	.42	.65	.59
100 lbs. of hogs	10.86	19.54	17.93	19.61	17.34	21.19	21.07	14.33	14.15	17.86
Dozen eggs	.26	.37	.30	.40	.34	.40	.29	.33	.31	.28
PRICE OF FEED										
Corn, bu.	\$.70	\$ 1.24	\$ 1.20	\$ 1.36	\$ 1.34	\$ 1.31	\$ 1.34	\$ 1.23	\$ 1.25	\$ 1.10
Oats, bu.	.46	.74	.72	.81	.76	.71	.70	.61	.63	.61
Barley, bu.	.58	1.31	1.20	1.23	1.21	1.11	1.02	.93	.94	.91
Alfalfa hay, ton	10.00	18.60	21.00	19.00	17.00	17.50	17.00	18.00	18.50	17.00
Timothy hay, ton	6.24	10.86	12.20	11.00	9.80	10.10	9.80	10.40	10.95	9.80
Corn silage, ton	3.20	6.07	6.70	6.00	5.75	5.85	5.75	6.00	6.00	5.80
Bran, cwt.	1.80	2.98	2.80	3.20	3.45	2.95	2.85	2.65	2.55	2.50
Linseed oilmeal, cwt.	2.33	3.80	3.95	4.00	4.85	4.05	4.20	4.10	3.70	3.50
Soybean meal, cwt.	2.51	4.15	3.95	4.00	5.60	4.40	-	-	3.70	-
ACRES PER FARM:										
Small grains	89.9	73.9	84.9	66.4	68.1	68.4	64.7	52.5	49.3	52.4
Cultivated crops	89.5	100.3	93.5	100.7	105.2	119.1	116.8	130.1	134.6	147.9
Tillable land in hay	27.4	19.1	24.0	28.7	25.6	31.6	30.5	34.1	41.1	35.8
Tillable land in pasture	24.5	15.2	13.5	15.8	14.8	15.7	14.1	15.6	16.0	12.9
Tillable land not cropped	5.1	2.4	.8	2.8	1.7	1.4	.3	1.0	4.8	2.5
Total tillable land	236.4	210.9	216.7	214.4	215.4	236.2	226.4	233.3	245.8	251.5
Non-tillable	45.6	43.1	40.3	41.6	44.6	46.8	43.6	38.7	38.2	41.0
Total acres per farm	282.0	254.0	257.0	256.0	260.0	283.0	270.0	272.0	284.0	292.5
YIELDS PER ACRE:										
Flax, bu.	10.5	13.7	15.1	9.8	13.8	9.2	9.7	15.9	9.9	9.0
Barley, bu.	25.1	34.1	38.0	23.2	28.9	22.4	32.7	34.5	25.9	26.9
Oats, bu.	40.4	46.3	47.0	47.7	44.0	27.7	40.8	55.1	39.7	42.1
Corn grain, bu.	49.7	47.8	44.9	38.3	58.9	59.9	66.7	51.5	65.0	63.5
Corn silage, tons	8.9	8.4	8.7	7.5	9.5	9.7	10.4	8.8	10.5	10.3
Soybeans, bu.	17.8	14.4	16.4	16.4	18.4	20.6	27.3	21.3	22.3	26.8
Alfalfa hay, tons	2.2	2.1	2.0	2.5	2.6	2.9	2.6	2.2	2.7	2.7