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	Department of Agriculture and
	UNITED STATES DEPARTMENT OF AGRICULTURE  Bureau of Agricultural Economics
	and the County Extension Services of
	Dodge, Freeborn, Goodhue, Le Sueur, Mower, Nicollet, Olmsted, ice, Scott, Steele, Wabasha, Waseca, and Winona Counties
	Cooperating
	Annual Report  of the
	Southeastern Minnesota Farm Management Service
	1945
Cooper	
	Mimeographed Report No. 156  Division of Agricultural Economics
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	St. Paul 8, Minnesota April 1946

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Eighteenth Annual Report of the Farm Management Service of Dakota, Dodge, Free-born, Goodhue, LeSueur, Mower, Nicollet, Olmsted, Rice, Scott, Steele, Wabasha, Waseca, and Winona Counties for the Year 1945.

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

#### INTRODUCTION

The Division of Agricultural Economics and the Division of Agricultural Extension of the University of Minnesota, the Bureau of Agricultural Economics of the United States Department of Agriculture, and the county extension services of Dodge, Freeborn, Goodhue, Rice, Steele and Waseca counties organized late in 1927 the Farm Management Service Project, to operate in the above names counties, beginning January 1, 1928. Additional counties have since been added. This farm management service is offered to farmers who desire to keep farm records, and to have these records summarized and analyzed in connection with those of other farmers. Each farmer who cooperates in this service 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.

General administration of this project, analysis of the records and preparation of the reports is handled by the Division of Agriculture Economics under the direction of G. A. Pond and T. R. Nodland. Extension work in connection with the project is handled by S. B. Cleland and J. B. McNulty of the Agricultural Extension Division. Glen Myers is the field agent for this project. At the end of the year, S. A. Engene, G. E. Toben, and Jack Steeves of the Division of Agricultural Economics aided in closing the records. County agricultural extension agents who cooperate in this project include H. Lawrenz, C. O. Quie, V. Sander, W. M. Lawson, J. B. Nelson, G. J. Kunau, R. D. Evans, F. L. Liebenstein, F. E. Wetherill, Alfred Halvorson, Milton Hoberg, Don Marti, C. Graham, J. R. Gute, O. Nelson, C. F. Murphy, and Geo. Chambers.

The Southeast Minnesota Farm Management Association was organized in 1939 by the farmers cooperating in the S. E. Farm Management Service. This association now represents its membership as an additional cooperating agency to determine policies and especially to maintain the field organization and membership. Officers for 1945 were:

President, Wm. A. Benett, Hastings, Dakota county; Vice-President, Dwight Ericson, Goodhue, Goodhue county; Secretary-Treasurer, Emery Lindesmith, Owatonna Steele county.

The board of directors included these officers and also the following: A.M. Falkenhagen, Dodge county; S. L. Moore, Freeborn county; E. J. Braun, Le Sueur county; Carl Kehret, Mower county; Charles Passe, Olmsted county; Donald Finger, Rice county; Herman Krueger, Scott county; Harvey Carlton, Wabasha county; C. L. Sauffeur, Waseca county; and Homer Goss, Winona county.

In addition to records kept by members of the S. E. Minnesota Farm Management Service, 8 records from farmers in a detailed accounting study in Nicollet county are included. Since these farms are in the same area and of the same type as the others and since the same type of records are available they have been combined with those of the regular service to increase the size of the sample and make the comparison more significant. These records have been kept under the general direction of S. A. Engene of the Division of Agricultural Economics and serviced by V. G. Dose.

The following tabulation shows by counties the number of records submitted in 

Dakota	7	Mower 11 Steele	16
Dodge	13	Nicollet 14 Wabasha	. 9
Freeborn	20	Olmsted 10 % Waseca	20
Goodhue	21	Rice Winona	10
LeSueur	5	Scott 10 10 10 Total	
42	AND AND	医环球菌素 医皮肤性 化邻氯酚 医多氯酚 化二乙酰乙	174

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The table on page 4 and succeeding pages show 170 farms. Four farms have been omitted from all the averages in the tables because they differed so widely in type from the others or the records were not sufficiently complete for a full analysis.

TYPE OF FARMING Most of the farms are livestock farms on which dairy cattle, hogs and poultry are the principal sources of income. Although some milk and cream are retailed in cities, and some milk is sold for shipment to the Twin Cities, most of the dairy products are sold to creameries and cheese factories. The principal crops grown are corn, oats, barley and hay. These crops are raised primarily as livestock feed, although a seasonal surplus may be sold. Wheat, sweet corn, canning peas, flax and seed crops are grown to a limited extent as cash crops.

### WEATHER, SOIL AND TOPOGRAPHY

ty constituinte, privaç bis Terra como area a catalogue est Weather conditions in March were especially favorable for early spring farm activities. By the end of March considerable seeding of small grains had been done in the extreme southern counties. April on the other hand was cooler and wetter than normal. Field work and growth of vegetation was retarded by cold and snow. May, June and July were also cooler and wetter than normal. The planting of corn and having were delayed. In the southern and western portions of the area it was necessary to replant some corn. Small grains, meadows and pastures were good. There was considerable loss from hail storms in Steele and Waseca counties.

During much of the remainder of the year precipitation was below normal. Corn made rapid progress during September but killing frostswere general on the 28th. Consequently, much of the corn was of poor quality and high in moisture content. Weather conditions in October were ideal for harvesting late crops and for drying the high moisture corn and soybcans. Steel William Process

There is some variation in soil conditions and topography among these count-The soil varies from sandy loam to a rich black clay loam; the latter type predominates in this area. Some of the farms are level, all tillable and well drained, but most of them are gently rolling with some land too rough or too wet to cultivate. Goodhue, Wabasha and Winona counties have more rolling land than the other counties. Much of the level land is tiled to make possible its cultivation in wet years. However, on a number of farms, there is considerable land which is poorly drained. In much of Goodhue, Dodge, Mower, Olmsted and Winona counties and in the eastern part of Dakota, Rice and Steele counties, the soil is lime deficient and applications of lime are necessary in order to grow alfalfa and sweet clover. In the remainder of the area it is not necessary, as a rule, to apply lime in order to grow these two crops.

ns carenga	Roc	hester	Albe	rt Lea	Far	ibault	St.	Peter .
	Precip	- Depart-	Precip-	Depart-	Precip-	- Depart-	Precip-	Depart-
	itation	n ure from	itation	ure from	itation	ure from	itation	ure from
	green e	normal		normal		normal	*	normal
	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
January	0.65	0 45	A 66	0.00	0.60	0.00	0.84	-0.04
· ·	0.65	-0.45		-0.26	0.68	0.00		+0.57
lebruary	1.74	+0.92	and the second of	+1.02	1.68	+0.99	1.27	
farch		.+1.21		+1.64	2.90	+1.79	2.07	+0.80
pril		+2.08	4.68		. 3.78	+1.87	3.47	+1.26
lay		+3.48			7.10	+3,90	4.23	+0.91
June 😜 💮	3.69	-0.90	/	-0.36	.5.83	+1.46	8.37	+3.66
	୍6∙08	+2,92		+0.72	6.65	+3.30	5.83	+2.43
lugust	1.86	-1.59		+1.82	2.55	-0.86	3.87	+0.41
September	2.18	-1.30		10,714.1	1.99	-1.46	3.46	+0.04
October	0.50	-1.60		-1.76	0.47	-1.61	0.28	-1.91
	1.17	-0.40		-0.63	. 0.82	-0.52	1.42	+0.13
	1.94	<u>+1.05</u>			<u>1.89</u>	+1.21	2.21	+1.36
1945 Total	34.16	+5.39	38.71	+9.54	36.34 4	-10.07	37.32	+9.62
.944 Total	22.47	-6.30	30.95	+1.78	31.84	<b>45.</b> 57	30.58	+2.88
943 Total	23.50	-5.27	37.78	+8.61	28.12	+1.85	35.26	<b>-7.</b> 56
.942 Total	41.68	+12.91	31.22	+2.05	28.57	+2.30	27,94	+0.24
.941 Total	29.80	+1.03	and the second of the second	+7.18				+2.25
	28.87	+0.10	27.81	-1.36	23.34			+10.69
	21.92		are a service of the service		16.28		22.49	-5.21
		+14.92	and the second of the second o	+8.87	27.14		30.81	+3.11

#### RECORDS KEPT

The records kept by the cooperators included inventories at the beginning and end of the year, cash receipts and expenses, a report of feed red to the various classes of livestock, and a record of farm produce used by the farm family. Supplementary information was also secured during the year regarding crop and livestock production and practices.

The cooperators were assisted and supervised in keeping their records by the field agent, Glen Myers, who visited each farm several times during the year. In addition to securing the supplementary information, the field agent's duties included numerous services, such as, securing a monthly list of prices of farm products prevailing in the area, helping the farmer place uniform values on real estate and equipment, checking the cash and feed records, and answering any questions that might arise as to how the entries should be made in the account book. The supervision resulted in uniformity in the type of records secured, in the inventory valuations and in the prices at which feed and farm produce were charged,

Because the farmers included in this study are, in general, above the average in managerial ability and operate larger and more productive farms, they have returns materially higher than the average for this section of the state. There were, nevertheless, wide variations in the methods and practices followed by these men. It is reasonable to assume that similar variations occur among all farmers in the area. To the extent that this is true, this report should 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 2. Net Worth Statement for Those Farmers Who Kept a Complete Record of All

Assets and Liabilities, 1945 (Operator's Share)

Your Farm
Total cares in farm
Owned         187.3         Rented           Total farm capital         \$24138         \$23949           Accounts receivable         125         177           Stocks and bonds         2619         3594           Life insurance         1078         1328           Outside real estate         342         353           Other outside investments         134         151           Total cutside investments         1035         1291           Other household & personal assets         1035         1291           Other household & personal assets         912         288           Total cash, household & personal assets         1947         2179           Total Lash, household & personal assets         1947         2179           Total Lash household & personal assets         1947         2179           Total ASSETS         30383         31731           Federal Land Bank Mortgage         1443         1112           Other mortg. on land operated         22163         2012           Mortgages on other real estate         112         109           Production Credit Association         92         144           Other hots payable         60         70           Accounts payable
Rented
Total farm capital
Accounts receivable   125   177
Stocks and bonds
Life insurance
Outside real estate       342       353         Other outside investments       134       151         Total outside investments       4173       5426         Cash on hand and in bank       1035       1291         Other household & personal assets       912       888         Total cash, household & personal assets       1947       2179         TOTAL ASSETS       30383       31731         Federal Land Bank Mortgage       1443       1112         Other mortg. on land operated       2163       2012         Mortgages on other real estate       112       109         Production Credit Association       92       44         Other chattel mortgages       135       82         Notes payable       773       533         Accounts payable       60       70         TOTAL ILABILITIES       4778       3962         Farmer's net worth       25605       27769         Gain in net worth       25605       27769         Gain in net worth       229.1       196.6         Owned       150.5       196.6         Rented       78.6       196.6         Total farm capital       \$23514       \$2351       \$7573       \$793
Other outside investments         134         151           Total outside investments         4173         5426           Cash on hand and in bank         1035         1291           Other household & personal assets         912         888           Total cash, household & personal assets         1947         2179           TOTAL ASSETS         30383         31731           Federal Land Bank Mortgage         1443         1112           Other mortg. on land operated         2163         2012           Mortgages on other real estate         112         109           Production Credit Association         92         44           Other chattel mortgages         135         82           Notes payable         60         70           Accounts payable         60         70           Accounts payable         92         444           Accounts payable         60         70           Accounts payable         25605         27769           Gain in net worth         25605         27769           Gain in net worth         25 Fart Owners*         22 Renters**           Total acres in farm         229.1         196.6           Owned         78.6         196.6
Total outside investments
Cash on hand and in bank       1035       1291         Other household & personal assets       912       888         Total cash, household & personal assets       1947       2179         TOTAL ASSETS       30363       31731         Federal Land Bank Mortgage       1443       1112         Other mortg, on land operated       2163       2012         Mortgages on other real estate       112       109         Production Credit Association       92       44         Other chattel mortgages       135       82         Notes payable       773       533         Accounts payable       60       70         TOTAL LIABILITIES       4778       3962         Farmer's net worth       25605       27769         Gain in net worth       25605       27769         Gain in net worth       22 Renters**         Total acres in farm       229:1       196.6         Owned       150.5       196.6         Rented       78.6       196.6         Total farm capital       \$23514       \$23514       \$2351       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds
Other household & personal assets       912       888         Total cash, household & personal assets       1947       2179         TOTAL ASSETS       30383       31731         Federal Land Bank Mortgage       1443       1112         Other mortg, on land operated       2163       2012         Mortgages on other real estate       112       109         Production Credit Association       92       444         Other chattel mortgages       135       82         Notes payable       773       533         Accounts payable       60       70         TOTAL LIABILITIES       4778       3362         Farmer's net worth       25605       27769         Gain in net worth       25605       27769         Gain in net worth       228 Renters**         Total acres in farm       229.1       196.6         Owned       78.6       196.6         Total farm capital       \$23514       \$2351       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478 </td
Total cash, household & personal assets   1947   2179
### TOTAL ASSETS   Federal Land Bank Mortgage
Tederal Land Bank Mortgage   11443   1112
Other morts. on land operated       2163       2012         Mortgages on other real estate       112       109         Production Credit Association       92       144         Other chattel mortgages       135       82         Notes payable       60       70         Accounts payable       60       70         TOTAL LIABILITIES       4778       3962         Farmer's net worth       25605       27769         Gain in net worth       25605       27769         Gain in net worth       229.1       196.6         Owned       150.5       196.6         Rented       78.6       196.6         Total farm capital       \$23514       \$23551       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706
Mortgages on other real estate   112   109
Production Credit Association   92   44
Other chattel mortgages       135       82         Notes payable       773       533         Accounts payable       60       70         TOTAL LIABILITIES       4778       3962         Farmer's net worth       25605       27769         Gain in net worth       25605       27769         Cain in net worth       22 Renters**       22 Renters**         Dan. 1       Dec. 31       Jan. 1       Dec. 31         Total acres in farm       229.1       196.6         Owned       150.5       -       -         Rented       78.6       196.6       -         Total farm capital       \$23514       \$23551       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       -       517       712       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand
Notes payable
Accounts payable  TOTAL LIABILITIES  Farmer's net worth  25 Part Owners*  2605 27769  42769  42769  42769  42769  42769  42769  42769  42769  42769  42769  42769  42769  42769  42769  42769  428 Renters**   Dec. 31 Jan. 1 Dec. 31  Total acres in farm  229.1 196.6  Owned  Rented  78.6 196.6  Total farm capital  \$23514 \$23551 \$7573 \$7939  Accounts receivable  167 190 325 402  Stocks and bonds  1150 1556 985 1345  Life insurance  613 732 438 478  Outside real estate  Outside real estate  0utside real estate  112 158 101 171  Total outside investments  112 158 101 171  Total outside investments  1675 2963 2236 2706  Cash on hand and in bank  346 571 272 929  Other household & personal assets  1215 1159 918 946
TOTAL LIABILITIES 4778 3962 Farmer's net worth 25605 27769 Gain in net worth 25605 27769  Gain in net worth 25605 27769   23 Part Owners* 22 Renters**  Jan. 1 Dec. 31 Jan. 1 Dec. 31  Total acres in farm 229.1 196.6  Owned 150.5 Rented 78.6 196.6  Total farm capital \$23514 \$23551 \$7573 \$7939  Accounts receivable 167 190 325 402  Stocks and bonds 1150 1556 985 1345  Life insurance 613 732 438 478  Outside real estate - 517 712 712  Other outside investments 112 158 101 171  Total outside investments 1875 2963 2236 2706  Cash on hand and in bank 346 571 272 929  Other household & personal assets 1215 1159 918 946
Farmer's net worth  Gain in net worth  -23 Part Owners*  Jan. 1 Dec. 31 Jan. 1 Dec. 31  Total acres in farm  Owned  Rented  78.6  Total farm capital  Accounts receivable  Stocks and bonds  Life insurance  Outside real estate  Outside real estate  Other outside investments  Cash on hand and in bank  Cash on hand and in bank  Other household & personal assets  23 Part Owners*  22 Renters**  22 Renters**  22 Renters**  22 Renters**  22 Renters**  196.6  19
Cain in net worth   23 Part Owners*   22 Renters**
23 Part Owners*   22 Renters**   Jan. 1   Dec. 31   Jan. 1   Dec. 31   Jan. 1   Dec. 31   Dec.
Total acres in farm   229.1   196.6
Total acres in farm       229.1       196.6         Owned       150.5       -         Rented       78.6       196.6         Total farm capital       \$2351\(\frac{1}{2}\)       \$23551       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Owned       150.5         Rented       78.6       196.6         Total farm capital       \$23514       \$23551       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Rented       78.6       196.6         Total farm capital       \$23514       \$23551       \$7573       \$7939         Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Total farm capital \$2351\(\frac{1}{4}\) \$23551 \$7573 \$7939  Accounts receivable 167 190 325 402  Stocks and bonds 1150 1556 985 13\(\frac{1}{4}\)5  Life insurance 613 732 438 478  Outside real estate - 517 712 712  Other outside investments 112 158 101 171  Total outside investments 1875 2963 2236 2706  Cash on hand and in bank 346 571 272 929  Other household & personal assets 1215 1159 918 946
Accounts receivable       167       190       325       402         Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Stocks and bonds       1150       1556       985       1345         Life insurance       613       732       438       478         Outside real estate       - 517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Life insurance       613       732       438       478         Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Outside real estate       -       517       712       712         Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Other outside investments       112       158       101       171         Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Total outside investments       1875       2963       2236       2706         Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Cash on hand and in bank       346       571       272       929         Other household & personal assets       1215       1159       918       946
Other household & personal assets 1215 1159 918 946
TOTAL ASSETS 27117 28434 11324 12922
Federal Land Bank Mortgage 2784 2312 -
Other mortg. on land operated 1766 1416 -
Mortgages on other real estate - 126 179 179
Production Credit Association 21 86
Production Credit Association 21 86 Other chattel mortgages 141 91 301 214
Production Credit Association 21 86 Other chattel mortgages 141 91 301 214 Notes payable 720 881 1083 945
Production Credit Association       21       86       -       -         Other chattel mortgages       141       91       301       214         Notes payable       720       881       1083       945         Accounts payable       449       366       118       278
Production Credit Association       21       86       -       -         Other chattel mortgages       141       91       301       214         Notes payable       720       881       1083       945         Accounts payable       449       366       118       278         TOTAL LIABILITIES       5881       5278       1681       1616
Production Credit Association       21       86       -       -         Other chattel mortgages       141       91       301       214         Notes payable       720       881       1083       945         Accounts payable       449       366       118       278

<sup>\*15</sup> rented for cash, 3 cash and crop share, 3 crop share and 2 livestock share.
\*\*10 rented for cash, 4 cash and crop share and 8 livestock share.

Table 3. Summary of Farm Earnings by Tenure, 1945 (Operator's Share)

Your	- 41	23	22
farm	owners	owners	renters
FARM EXPENSES			
Dairy and dual purpose cows bot. \$	\$ 53 94	\$ 358	\$ 61
Other dairy and dual pur cattle bot.		227	130
Beef cattle bot. (including feeders)	22	65	50 144
Hogs bot.	117	144	
Sheep bot. (including feeders)	23	5	15
Poultry bot. (including turkeys)	1,40	221	262
Horses bot.	29	15	10
Misc, livestock expenses	1,40	178	104
Misc, crop expenses	492	413	260
Feed bot.	1366	2074	1713
Custom work hired	287	288	228
Mech. power mach. (farm share) (new)	202	324	74
Mech. power mach. (farm share) (upkeep)	182	203	138
Mech. power (farm share) (gas, oil, etc.)	424	525	378
Crop and general mach. (new)	309	472	
Crop and general mach. (upkeep)			367
Livestock equipment (new)	117	176	120
Tirrog to Ch. Consistent (new)	116	108	88
Livestock equipment (upkeep)	67	, 93	112
Buildings and fencing (new)	.224	412	32 45
Buildings and fencing (upkeep)	196	235	
Hired labor		732	369
Taxes (real estate & pers. property)	5 <i>t</i> /t	1814	30
General farm and insurance	110	114	68
Cash rent		212	649
Interest paid	182	. 279	73
(1) Total farm purchases	\$ 5667	\$ 8057	\$ 5520
(2) Decrease in farm capital	189	-	***
(3) Board furnished hired labor	102	150	60
(4) Interest on farm capital	1020	898	315
(5) Unpaid family labor	428	311	164
(6) Total farm exp. (Sum of (1) to (5) \$	\$ 7406	\$ 9416	\$ 6059
FARM RECEIPTS	, T 1 1 9 9 1	7 2.40	Ψ ΟΟ
Dairy and dual purpose cows	\$ 406	\$ 720	\$ 249
Dairy products	3,449	3396	2635
Other dairy and dual purpose cattle	477	369	
Beef cattle (including feeders)	185		234
Hogs		657	260
Sheep and wool (including feeders)	2303	2217	2153
Poultry (including turkeys)	76	78	94
TO the control of the	564	929	778
Horses	1081	1292	1178
	24	15	25
Corn	93	171	53
Small grain	185	255	134
Other crops	1010	802	253
Machinery & equipment sold	128	267	80
Agricultural adjustment payments	<i>j</i> † <b>j</b> †	41	32
Income from work off the farm	255	316	150
Misc.	30	65	36
(7) Total farm sales ,\$	\$10310	\$1159ō	\$ 8344
(8) Increase in farm capital	. •• 1 • <b>•</b> • • • •	<b>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</b>	366
(9) Family living from the farm	634	660	549
(10) Total farm receipts (7) + (8) + (9) \$	\$10944	\$12287	\$ 9259
(6) Total farm expenses	7406	9416	6059
(11) Operator's labor earnings (10)- (6)	3538	2870	3200
(12) Ret. cap.& family lab.(4)+(5)+(11)	4986	4079	3679
monant monant ( ) ( ( ) ) ( may)	1900	ر اب	2012

Summary of Farm Inventories, 1945\* Average of 170 farms Your Farm Jan. 1 Dec. 31 Jan. 1 Dec. Items 224 Size of farm (acres) 645 Size of business (work units) \*\* \$4412 \$4036 Productive livestock (total) 1427 1397 Dairy and dual purpose cows 856 777 Other dairy & dual purpose cattle 409 435 Beef cattle (incl. feeders) 1126 922 Hogs 187 175 Sheep (including feeders) 407 330 Poultry (including turkeys) 234 279 Horses 3054 3647 Crop, seed, and feed 3351 Mach. & equipment (total) 1010 1081 Power mach. (farm share) 1673 Crop & general mach. (farm share) 668 Livestock equipment & supplies 7287 Buildings, fences, etc. 9177 Land Total farm capital OLL 34 least profitable 34 most profitable 375 (17) farms farms Dec. Jan. Items Size of farm (acres) Size of business (work units) \*\* \$3933 \$4887 \$3716 Productive livestock (total) 1499 1462 1636 1591 Dairy & dual purpose cows 864 884 Other dairy & dual purpose cattle 611 617 Beef cattle (incl. feeders) 996 1186 1535 Hogs 84 Sheep (including feeders) 278 892 527 Poultry (including turkeys) 244 219 261 281 3391 4903 4503 2396 Crop, seed, and feed Mach. & equipment (total) 3744 3972 3368 3275 1141 1032 1202 1183 Power mach. (farm share) \_\_ 1658 1641 1965 1730 Crop & general mach. 586 585 824 81.2 Livestock equipment & supplies 7496 7692 8278 8153 Buildings, fences, etc. 11066 11066 9657 9657 Land 32272 29494 31750 Total farm capital \*For the purpose of comparison, all the data shown in this report with the exception of Tables 2 and 3 are presented on a full-owner basis. The assets, expenses and

(b) A(OE) a sim no se Sei Standerice

(it)+(A)+(A)+(A) Cost History C. Apor .: Of (Se)

790E

receipts of the landlord were included in the records from gented farms

<sup>\*\*</sup>See page 13 for an explanation of "work units".

 Ta	ble	5.	Fam	ily	Liv	ring	F	com	the	Far	m,	19	45	,
				d. sara	34 n	nost	31	1	eāst	30, 12 <b>.</b> 				

		t 34 least		34 most 34 least
	Average profit	- profit-	Average	profit- profit-
Your	170 able	able	Your 170	able able
Items farm	farms farms	farms	farm farms	farms farms
No. of persons (Fam.)	3.3 3.	5 2.9		
adult equiv.(Others*)	.4	5 <sub>- \$3.7</sub> •5 <sub>\$</sub>		
Wholemilk	1350 qts. 158	0 1097	\$ \$81.93	\$ 93.93 \$ 64.06
Skim milk	121 qts. 18		1.78	
Cream	124 pts. 14		27.13	33.08 28.29
Farm made butter		6 5	4.05	8.03 2.71
Eggs	192 doz. 19	5 173	64,38	
Cattle	460 lbs. 50		47.35	54.56 44.82
Hogs	501 1bs. 68	1 413	69.74	94.17 57.93
Sheep	5 lbs.	0 3	•59	0 •34
Poultry	147 1bs. 16	2 148	33.74	39.18 35.29
Potatoes	15 bu. 2	7 , 6	19.03	35.44 8.40
Vegetables & fruits		in the	55•36	67.88 59.30
Farm fuel	3 cds.	4 3	22.23	30.56 20.29
Rental vl. of house			210.75	246.55 220.77
Misc.		1	•47	0 . 0
Total			\$638.53	\$768.61 \$601.41

Table 6. Household and Personal Expenses for Those Farms Which Kept Complete Accounts of These Expenses, 1945

			\$1.50 S	20 most	20 least
			Average	profit-	profit-
	The state of the s	Your	of 101	able	able
tems		farm	farms	farms	farms
umber of persons - family		1 1	<b>4.1</b>	4.3	3.4
umber of persons, (Family		100 M	3.2	3.4	2.7
adult equivalent (Others*	· · · · · · · · · · · · · · · · · · ·		5-4	•5	•6
그리는 왕시간에 하는 이 취하고 했다.	· · · · · · · · · · · · · · · · · · ·	14代 £3.5			
ood and meals bought	\$	, "	\$413	\$437	\$396
perating and supplies			168	207	207
lothing and clothing mater	ials	Çişişi i	207	274	174
ersonal care, personal spe	ending		67	82	43
rmishings and equipment			76	110	74
lucation, recreation and d	evelopment		92	156	86
edical care and health ins	urance		138	190	85
nurch, welfare, gifts	* • •	4	259	494	155
ncome tax		4.6	204	445	81
ersonal share of auto expe	nse		₹77	84	58
ousehold share of elect. &			45	49	46
H.&pers.shr.of new auto, g		•	3	0,	8
ife insurance and other in	vestments		<u>873</u>	1381	<u>336</u>
tal household and persona	l cash expenses \$		\$2622	\$3909	\$1749
ood furnished by the farm	en e		411	521	368
el furnished by the farm			20		17
ouse rental	• • •		203	261	202
otal household and persona Hired help or others board			\$3256	\$4713	\$2336.

(3)-(01) skeel

Table 7. Summary of Farm Earnings (Cash Statement), 1945 Average 34 most enither ellipse emprova. Your of 170 profitable profitable farms farms Itemswife side Your I/O FARM EXPENSES \$ 187 5 5 250 Dairy and dual-purpose cows bought 135 Other dairy & dual-purpose cattle bot. Beef cattle bot. (incl. feeders)
Hogs bought 1<u>9</u>5 135 102 257 85 178 214 5 7 404 165 16 21 221 146 653 500 2590 1540 168 Sheep bought (including feeders) **- 108** 210 Poultry bought (including turkeys) 10. 特别 Horses bought **-. 16**5 Misc. livestock expenses 463 1764 Misc. crop expenses Feed bought Feed bought
Custom work hired
Mech. power mach. (farm share) (new) 273 303 301 241 173 232 173 190 492 415 198 205 Mech. power mach. (farm share) (upkp.) 555 5<sup>4</sup>3 Mech. power (farm share) (gas.oil.etc.) Crop and general mach. (new) 363 Crop and general mach. (upkeep)
Livestock equipment (new)
Livestock equipment (upkeep)

Buildings and fencing (new)

Buildings and fencing (upkeep)

200

197

663

1007 Crop and general mach. (upkeep) 153 11+2 122 158 53 134 197 50,1 Taxes 296 336 298 General farm and insurance
(1) Total farm purchases
(2) Decrease in farm capital
(3) Board furnished hired labor
(4) Interest on farm capital 114 137 112 \$ 6653 6672 238 1109 108 184 107 1382 (5) Unpaid family labor 441
(6) Total farm exp.(Sum of (1)to(5) \$8832 496 \$ 11055 FARM RECEIPTS Dairy products
Other dairy & dual-purpose cattle
Beef cattle (including feeders)
Hogs
Sheep and wool (including feeders) 603 \$ 490 3<sup>4</sup>03 4687 2528 465 592 487 458 773 Sheep and wool (including feeders)

Poultry (including turkeys)

2573

3299

787

3290

787 230 66 96

787 2142 479

Eggs 1265 1513 1137

Horses 23 14 28

Corn 175 191 218

Small grain 239 326 171

Other crops 776 1585 973

Machinery & equip. sold 152 181 240

Agricultural adjustment payments 48 57

Income from work off the farm 262 771 (7) Total farm sales (8) Increase in farm capital (9) Family living from the farm 639 769 (10) Total farm receipts (7)+(8)+(9) \$ 12065 \$ 77731 \$ 10259 (6) Total farm expenses 8832 11055 9688 (11) Operator's labor earnings (10)-(6) 6676 3233

Table 8. Summary of Farm Earnings (Enterprise Statement) 1945\*

Table 8. Summary of Farm Earning			34 most	
	Your		profitable	
Items	farm			farms
EXPENSES AND NET DECREASES		regulation .	<del></del>	
Total power \$		\$1140	\$1268	\$1203
Horses	Marian di	194		
Tractor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	391		
Truck		132	168	
Auto (farm share)		183		is 1 226 m m
Gas engine (farm share)	7.03 20 30			aculti 4m yout
	de de la como de	(4) 800 <b>94</b> 40 (4		ta ur 94 uir , ri
	<del></del>			156
그 말고 있다면 하는 사람들이 되었다. 그 사람들은 그 그 그 사람들이 되었다. 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그		351	and the second of the second o	397
	privinger i		50 4 25 <b>3</b> , 54	
	Nillia ana	399	437	
Misc. productive livestock expense		154	219	144
Labor Application		1292	1779	1410
Real estate taxes	er er er er er er	2116	280	249
Personal property tax	<del></del>	50	56 M	49
Insurance states	John Brad	190 14 <b>2</b> 1		40
General farm		72	59	the control of the service of the control of the co
Interest on farm capital			78	72
THE GIGST ON THIM CAPTORY	Arteria (j. 12	1382	1601	1147
(1) Matal armonage P not domester	71)	E007 \	Clinc	
(1) Total expenses & net decreases		5297	6426	555 <sup>4</sup>
RETURNS AND NET INCREASES		•	* * * * * * * * * * * * * * * * * * *	
The state of the s	ere e de esta pare l'accioni de l'accioni	Control of the contro	alialia.	The second secon
All productive livestock		9751	14048	7456
Designation of the contract of	Allahara da ayan da a	3818	5192	2808 7 127 017
Other dairy & dual pur. cattle	د د د د د د د د د د د د د د د د د د د	757	1025	661
	ទីនទ <i>ីកូត</i> ស្រី	175	. 1764 (cd. <b>143</b> 7) . 15 9 2	163
TOCKET CHATC		171	4443	· 132
Hogs		2678	3564	2069
Sheep - farm flock		107	<u> </u>	78
Sheep - feeders		. 27		
		, , , ,	1918	5 13 <b>5.62</b>
Chickens		1560	1803	1483
Crops, seed and feed		-1586	-1464	-1654
Income from labor off the farm	: 1955 <u>  19</u> 55	168	245	158
Agricultural conservation payments		<u>\</u> 48 📑	57	47
Miscellaneous		149	216	118
(a) m to a construction of the construction of	رمة بعدرتون	ار در	ing Harana nggangang ng galawan kananan na saning ng	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
(2) Total returns & net increases	41 C. J. 41	8530	13102	6125
(1) Total expenses & net decreases			op on 6426	5554
	CART E.	ERRY PARKS		
(3) Oper. labor earnings (2) - (1)		3233	6676	5 <b>71</b> .

<sup>\*</sup>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 in page S.

#### ANALYSIS OF THE REASONS FOR DIFFERENCES IN OPERATOR'S EARNINGS

The operator's labor earnings varied widely among the farmers included in this study. The average labor earnings of those farmers ranking in the upper 20 per cent in the range according to earnings was \$6676 and of those in the lower 20 per cent was \$571. This is a range of \$6105 between the average earnings of these two groups. Some of the causes for these differences in earnings may be beyond the control of the farmer. However, all of these farmers could make some changes in their farming operations which would increase earnings. A farmer can secure some ideas as to changes that could profitably be made on his farm by studying the facts about his business as presented in this report and comparing his accomplishments with other farmers following the same general type of farming. The more important management factors affecting earnings and their relationships with earnings are presented in the following tables. These factors vary from year to year in their relative influence on earnings. 

Table 9. R	elation of	Crop Yiel	ds to Farm Earnings	LL: L'
Per cent crowere of the for all 170	op yields average	No. of		urani. Adlani Prafi
Group	Average	farns	labor earnings	erost Prat
Below 85 85-114 115 and above	71 100	40 87 43	\$1628 3403 4380	

Ο,

1.17

5-1-1. 03.70

High production per acre, up to certain limits, tends to lower the cost per bushel of grain or per ton of hay. Any possible method of management that will increase crop yields and therefore lower cost of production more than the extra expense incurred in securing the higher yields should be given consideration.

Table 10. Rel Per cent of ti in high return	llable land	No.	rops to Farm Earnings  Average operator's
	Average	farms	labor earnings
Below 39.0 39.0 - 54.9 55.0 and above	30.5 47.3	4 <u>1</u> 89 40	\$2590 3224 3911

<sup>\*</sup>Crops are marked on page 16 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.

(1) - (0)As a rule, on these farms, such crops as alfalfa, clover, canning crops, sugar beets, corn, and flax bring a higher net return per acre than other crops usually grown. Additions can be made to earnings by putting as high a percentage as possible of the tillable land into these higher return crops. ស់ខែទីល្បាយ នៅ និងសេទី៩ គេប្រាស់ង្គារ សេខាក្រស់

Table 11. Relation of Returns From Productive Livestock to

Index of retu	mng fon	77 00 01 1			
			No.		
fed to produc	tive liv	estock*	of	Average operato	ris
Group		Average	farms	labor earnings	
Below 86 86 - 114 115 and above		73 99	34 97	\$2026 3126 4550	

<sup>\*</sup>The index is weighted by the number of animal units of each class of livestock.

The majority of these farms maintain dairy cattle. However, in addition to the dairy herd there is quite an investment in other classes of productive livestock such as beef cattle, hogs, sheep or poultry. Most or all of the feed raised is fed on the farm and considerable additional feed is purchased. Feed is the major item of cost in livestock production and livestock constitute the major source of income on these farms. Hence there is some relationship between returns for \$100 of feed and operator's labor earnings on these farms. There are a number of reasons for differences among farms in livestock returns. High productivity per animal and economy in the use of feed and labor are important. Other factors of considerable importance are kind of feed used, quality of pastures, balance of ration, degree of sanitation, and kind of shelter and equipment.

Table 12. Relation of Amount of Productive Livestock to

Productiv	re livestock	arm Earnin,	<b>3</b> 5	
	c 100 acres*	No. of	Average o	perator's
Group	Average	farms	labor e	
Below 17.	0 12.7	. 37	ં યુલ્ટો સું <sup>તે કે ફ</sup> \$2	662
17.0 - 29	9 22.5	95		974
30.0 & al	ove 35.9	38	14	<sup>4</sup> 35

<sup>\*</sup>Acres in timber not pastured, roads, waste and farmstead were not included.

On some farms the returns from livestock are so low that they do not cover feed and other costs. Such livestock is unprofitable, especially if there is more than enough to utilize what would otherwise be waste feed. If the livestock is yielding a net return, an increased amount of livestock adds to size of business and the opportunity to increase the farm earnings. Livestock produces manure and aids in keeping up the fertility of the land, and utilizes waste products on the farm. Livestock also helps to provide productive employment throughout the year. Any method that aids in utilizing the available resources to full and efficient capacity should add to the farm income.

Table 13. Relation of Size of Business (Work units)

Dave of pro	to Farm : ductive work	Earnings No. of	Aronogo	operator's
Group	Average	farms		earnings
Below 475	412	32		2130
475 - 799	608	108		3207
800 and abo	ve 1030	30		4503

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Average farm earnings tend to increase with an increase in size of business. For farmers operating their farms at a loss, the larger the volume of business, the larger will be the loss, but a farmer who is making a profit could make a larger profit if he increased his size of business, providing that in so doing he does not lower materially the efficiency in some one or more important branches of his business. Those farmers who have large businesses usually have more flexibility of their organization than does the man with a small business, and can utilize more efficiently and to better advantage available labor, power, machinery and buildings. recovery as the recovery of the second secon

Table 14. Relation of Amount of Work, Accomplished per Worker to Farm Earnings

•		m marinings			
	units come				
per i	worker	No. f of boddy	Average of	perator's	
Group	Average	farms	labor è	arnings	1.7.1
TORK OF BOAR	. Kap Hilipha ol	Morrock autor dat	t that's call o	(O FLOT RET LESS	dia"
Below 280	5 6.65 24 <b>243</b> 26655	42 42 VIL 5	t daeu le <b>\$3</b>	<b>109</b> sejan wi	:
	oh san <b>331</b> 0 mh				
390 and abo	ove - 449	ige <b>dl</b> e dan boei	1 10 8048 <b>3</b> 1	55 <b>7</b> - 12 (12)	, W.
	<u>ari, gannar a mai</u>	eschill sel na	onact la rais	Ania o zro y	add.

o agencies at grog my bon include two versity with More days of productive work accomplished per worker reduces the labor charge per unit of business. Higher labor accomplishment can be secured in serveral ways. In the first place, the business must be large enough so that there will be at least sufficient work available for the family labor. The farm should be so organized that the labor requirements are well distributed throughout the year. Handling pastures in such a way that as large a proportion as possible of the year's feed for livestock may be obtained from them helps to reduce labor requirements. Proper planning of the farm work and economical use of labor-saving machinery help to increase the work accomplished per worker.

Table 15. Relation of Power, Machinery, Equipment and Building Expense to Farm Earnings\* Expense per work unit No. of Average operator's Average ' farms labor earnings \$3.70 and above \$4.63 50 \$2575 \$2.70 - \$3.69 3.19 70 Below \$2.70 2.21 50

\*Includes building, fencing, all crop machinery and state was the collivestock equipment, power, horse feed, and miscellanon dynatically a train  ${f eouthorse}$  ,  ${f expense}_{f o}$  and the specifical interpolation of the  ${f eouthorse}$ 

The expense factor does not show as high relationship with earnings when prices are high as when they are low. Some farms are under equipped. On a few farms, excessive expenses constitute the main factor causing earnings to be very for a stari) no missa to entit in colonial (if estat low.

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not are grandi amendalgo controlicas objects of reflai cath decamatic . A file il

Some of the cash expenses can be kept down by careful management. Often times necessary repairs and improvements can be made by using the available farm labor rather than by hiring extra help. Repairs and overhauling should be done before spring work begins insofar as possible; or on rainy days or in other spare time during the summer. Reducing the number of horses to the minimum required for efficient operation of the farm helps reduce the power expense. In some cases, farmers can offset some or all of the power and machinery expense by using their equipment for outside work.

#### CUMULATIVE EFFECT OF EXCELLING IN A NUMBER OF MANAGEMENT FACTORS

The relation of several management factors to operator's labor earnings has been shown in the preceding section. Because of the large number of interrelation—ships between these factors the exact relationship between one factor and earnings could not be determined. However, when the combined or cumulative influence of seven management factors on carnings is shown, the relationship becomes more marked. This is illustrated in Table 16. These seven factors alone are responsible for a considerable proportion of the variation among farmers in the returns secured from the farm business. Insofar as these factors are within the farmer's control, he will be well paid for his efforts to improve his efficiency in them.

Table 16. 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 You farms farm	T T	Average operator's labor earnings
None 1 2 3 4 5 6 7	5 11 29 54 32 21 15	XXX XXXXXX XXXXXXXXXX XXXXXXXXXXXXX	\$ 781 1435 2010 2953 3522 4006 5939 8726

The array in Table 16 indicates that it will be worth while for each cooperator to study carefully his ranking on pages 14 and 15, and learn his standing in respect to each of the above factors and the elements of strength and weakness in his farm business.

#### 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 17.

Table 17. Number of Work Units for Each Class of Livestock

	and Each Acre of Cro	p	
Item	No. of work units	Ttem	No. of work units
Dairy and dual pur. cows.	14.5 per cow	Small grain	.8 per acre
Other dairy & du.pur.cattle	4.4 per an unit*		3.0 per acre
Beef breeding herd	4.0 per an unit*		2.3 per acre
Feeder cattle	<b>1</b>	Corn, husked	1.2 per acre
Sheep - farm flock		Corn, hogged	.7 per acre
Sheep - feeders	.5 per 100 lbs.	Corn shredded	2.4 per acre
Hogs	.3 per 100 lbs.	Corn silage	1.9 per acre
Turkeys	•7 per 100 lbs.	Corn fodder	1.1 per acre
Hens	28.0 per 100 hens	Alfalfa hay	1.0 per acre
Canning peas	2.0 per acre	Soybean hay	1.4 per acre
Soybeans for grain	1.0 per acre	Other hay crops	6 per acre
*Animal unit represents one	cow, one bull, one fe	eder steer or heife	r two head of

\*Animal unit represents one cow, one bull, one feeder steer or heifer, two head of other cattle, seven head of sheep, fourteen labbs, five hogs, ten pigs, 100 hens or 1400 pounds of turkeys produced.

Table 18. Measures of Farm Organization	and Managemen		
leasures used in chart again to the company	ur of 170	able	able
n page 15	rm farms	farms	farms
Operator's Labor Earnings in the said . 1994 to	\$3233	\$6676	\$571
1) Crop yields* when he is character and second	100	113	81
(2) % of tillable land in high ret.crops**	9. 085011 <b>701</b> 0	48.9	45.8
(3) Ret.for \$100 feed to prod.livestock***	00	110 °	87
(4) Prodelivestock units per 100 acres****	23.4	27.6	17.3
(5) Size of business work units at least to	645	796	628
(6) Work units per worker	323	348	314
(7) Pow., mach., equip., & bldg.exp.per work unit \$2000	\$3.32	\$3.09	\$3.64
leasures and items related to some of the bove measures:	700 (100 M) 200 (100 M) 200 (100 M)		
3) Index of return for \$100 feed from - Dairy cattle (see pages 20 & 21)	100	111	86
Dual purpose cattle (see pages 22&23) Beef breeding herd (see page 26)	100		veus 99 93
Mandan and the	100	102 110	82
Native sheep (see page 27)	100	85 111	110
Chickens (see page 25)	100	109	
Work units on productive livestock	TITE		. 400
The property of the party party of the party			
Number of lamily workers	1.4	1.4	1.3
Number of hired workers	<u></u>	#1.41 , <b>+}9</b> ≈	•7
7) Power expense per work unit Crop mach. expense per work unit	.\$1.85	\$1.69 .52	\$2.05
Livestock equip. exp. per work unit Bldgs.& fencing exp.per work unit	• 56 • 26 • 65	2400.31.40 24420.457.46	.21 .70
*Given as a percentage of the average.			· ,
**Crops are marked on page 16 as (A); (B), (A) crops, one-half of acres in (B) crops,	(C), and (D).	All of the	acres in
crops areused in calculating per cent of	illable land	in high ret	um crop

<sup>\*\*\*</sup>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 14, locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 170 farms included in this summary are located between the dotted lines across the center of this page.

		•						, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Section 1995 Program V				. J. 70	
	per.		•	• .			tur		. 1			Work		Pow, ma	
	abor		Crop		High				its		•	unit		eq.,& b	_
e	arn-		yield	i e	retu		cti		$\mathbf{r}$		ork nits	per worke		exp. pe	
	_	y \$ 2.55	<u> </u>	-5	L	25 11	- 1	OCK IC		• , u.	11 6	3 WOLKE	15	work ur	11.0
\$7200	<b> </b>	140	<b>F</b> ·	71.0	<b>:</b>	140	_	AP 5	=	1050	<b> </b>	485		, ,,E	
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6700	E	135	= 1	68.0	=	775		47.0	- 1	3.000		$\mathbf{E}_{\mathbf{A}}$		j E	
0700	E	1.00	E	00.0	E	135	_	41.0	= 1	1000		465		1.55	1
2000	<u> </u>				E	1,11	_	grand make a	=		Εl	E	-	E	
6200		130	<u> </u>	65.0		130		38.5		950		445	-	1.80	+
	E		E		E		_	Luber come e	=	t 1. 1. 1	El	E		_	
5700	_	. 125		62.0	<u></u>	125		36 <b>.</b> 0		900	H	425	-1	2.05	-
	F	**************************************	F		=	a paga a pag A paga a paga		and the second	_	a de la compansión de la compa Calcula Marga					
5200	<u> </u>	120		59.0		120		33.5	=	850		405	-	2.30	-
	=		<b> </b>		F			and a second	=				1.		
4700	E	115		56.0	E	115		31.0	_	800		385 E	_	2.55	-
		14 Th	_	1.	E		_	and the second	=		Εl	E		E	
4200	<u> </u>	-110		53.0	<b>_</b>	110	_	28.5		750		365	-	2.80	_
	E		E		E	ei¥ d St.	_	and the second	=		El	E		E	
3700	<u> </u>	105		50.0		105		26.0		700		345	_	3.05	_
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3200	E	100	<u> </u>	47.0	E	100	-	23.5		650	EI	325 E		3.30	<u> </u>
	-		=-	يريزيد تناه ماها مواها د		*******			=	والمعاملة	=			· · · · · ·	+
2700	E	95	E	44.0	E	95	_	21.0	=	600	E	305		3.55	
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2200	F	00	F	. 47 0	E			30 6	_		<b> </b>	=	- 1: 3	_ <u>_</u>	
2200	E	, 90	E	41.0	`=	90		18.5	_	550		285		3.80	7
7 700	E	0.5	E	70.0					=			<u> </u>	13 	E	
1700	E	85	E	38.0	E	85		16.0		500		265		4.05	7
7.000	E		E		E			a graphada i sans	=						
1200	F	80		35.0	Ė	80 *		13.5	_	450		245		4,30	1
	E		E		E		_	ar yang jantungkan.	=		El	=		E	
700	<b>—</b>	• 75		32.0		75		11.0	_	400		225		4.55	1
	F	,	=		=	•	_	gas marining against	_	V.V	=	<b>_</b>		F	
200		70		_ 29 <b>.</b> 0		70 .		8.5		350		205	$\dashv$	4.80	-
	E		E		E	, the state of the	=	anna an ing p	=		티	E		E	
-300		65	E	26.0	E	65	_	6.0 =	_	300	El	185	-	5.05	-
	F	•	F		片		_		=		=		1. T.	E	
	上	Ι	厂		<u></u>	( )			=4	ME HOUSE	لــــا		4.	<b>F</b>	$4 \cdot $
		<b>)</b>		). 		lia	ٺ	<u> </u>				produce and the	)		ノ
					-										

Table 19. Distribution of Acres in Farm, 1945

Crop: (A) (B) (C) and (D) refer			Buggers		34 most	34 leas	st Acres
to ranking used in calculating		growing	i se wegan na se	Average	profit-	profit.	
% of tillable land in High	2.9	this	Your	of 170	able	able	growing
Return Crops (see page 14)	· 1 · 2 · 4	crop,	farm	farms	farms	farms	crop
Canning peas a said to your min me					The state of the s		14.9
Flax	(c)			3.1	3.3		11.9
Barley	(D)	24		1.2	1.4	1.1	8.2
Oats and barley	(π)	6		6			17.1
	(D)		A MARCE	4.4	3.9	3.9	11.0
Oats and wheat	(D)	≥ 25°°	व व्यक्तार	2.2	3.0	•8	15.1
Oats and the tending		∂164 -	11. 11. 11. 11. 11. 11. 11. 11. 11. 11.	35.3	43.4 <sup>⊜</sup>	35.0	36.6
the force of the contract of t	100 100	55		5.0	3.6	9.3	15.5
Rye, millet and buckwheat	(D)	,		. 8	•6	. 8	6.9
Library L. J. ass. Library	, — ,	J - KA			10. 25		10.5
Total small grain and peas	34.44.5	168	100	54.3	63.3	56.5	55.0
Sugar beets, hybrid seed corn,	+				00.0	30.0	
potatoes and truck crops	(A)	64	January 300			6.7	
Corn grain	(A)	•	1	3.4 36.6	5.5		9.1 37.7
Corn silage	(B)	1	- Q	9.00	43.5	42.2	
Sweet corn	(B)	20			12.0	16.0	16.3
A		٦.	\ <del></del>	. 1.7	1.9	3.8	14.2
Corn todder	(D)	25		. 1.1	1.4	6.6	7.2
Total cultivated crops	1	170		56.5	64.3	69.3	56.5
Alfalfa hay	(A)	136		15.3	20.5	10.1	19.1
Red clover hay	(B)	52		3.8	3.1	5.0	12.5
Soybean hay	(c)	26			0.81.5	1.0	17.2
Mixed legumes & non-legumes	(C)	48		4.5	4.5	3.1	15.9
Legumes for seed	(C)	16	1	.64	. 9	. 4	6-4
Timothy and/or brome	(D)	37		2.0	2.9	3.7	9.1
Timothy seed	(D)	8 :		.3	• 3	.4	7.1
Other annual hay	(D)	11.	3/	6	-0.00 <b>.1</b>	1.5	8.7
- 1							
Total tillable land in hay		169	No.	28.2	33.8	25.2	28.4
Alfalfa and mixtures incl-alfalfa	(A)	52	15 - 544	4.8	4.2	2.8	: 15.7
Sweet clover pasture	(B)			1.0	•4	1.9	13.1
Other legumes and mixtures	(c)	- y	GU		-11.1	3.2	21.0
Sudan grass or rape pasture	(C)		1	1.3	1.4	.9	6.7
Other tillable pasture	(D)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.8	8.7	7.1	17.7
		% • \			- 4 di		* * * *
Total tillable land in pasture		144		21.8	25.8	15.9	25.7
Tillable land not cropped	(D)	54		4.7	4.6	12.0	14.7
Total tillable land	****			165.5	191.8	178.9	165.5
Phalaris hay (non-tillable)		8 :	1 1	1.3		4.0	27.1
Wild hay (non-tillable)		55		4.7	2.2	11.5	14.4
Non-tillable pasture		137	-	29.1	26.0	42.4	36.1
Timber (not pastured)		73		6.6	14.7	2.9	15.3
Roads and waste and waste		8.6	Lill no	10.2	.12.9		,
Farmstead		ree proge	1 1	6.6	7.2	6.3	4
	4, 1, lay			1			
Total acres in farm		्राइस	Ermineson (1972) Transport	224.0	254.8	257.2	
Per cent land tillable				73.9	75.3	69.6	. <i>i</i>
Per cent tillable land in high re	tur	n crops		47.1	48.9		• •
	·		, ,			<u> </u>	
			"Many park"	2014 - 2014 - 2014	* ***	,	

rop			Your farm	Average 170 farms	34 most profitable farms	34 least profitable farms
			water a land			
anning peas, value at	ove seed	cost	\$	\$49.06	\$78.08	\$10.73
lax, bu.	· 			11.2	The second secon	<b>9.0</b> 1445 A
sarley, bu.	. *			<b>5</b> 2.7	31.2	34.1
ats and barley, bu.	- <b> </b>	1. 141		48.1	54.1	43.4
en e	7 - 1 -			A street of the	Section Section	
heat, bu.	· 8 <b>:</b>		4 <u>4 D</u> S	22.4	21.2	19.3
ats and wheat, bu.	•			41.6	41.2	30.4
lats, bu.		1.44		48.3	51.7	41.9
loybeans for grain, bi	l.	11.1		12.6	17.2	<b></b>
and the second s	and the second		on Pea	The second secon		
lye, bu.	ris Fritz			15.8	19.8	19.3
lillet, ou.				7.7	180 ISO	And Athri . But i
Buckwheat, bu.	100	1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	k .	17.2	•	**
orn, grain, bu.	1			34.0	39.5	24.7
Corn and cane silage,	tone			6.7	8.2	5.9
Sweet corn, tons	, arron			1.9	2.7	1.3 per 1.4
Corn and cane fodder,	tone	7. · · ·		2.4	2.6	2.1
Join and Came Todder,	00115				~• 0	
Alfalfa hay, tons	₩ <b>₩</b>		**************************************	2. <b>2.</b> 5		2.6
Red clover hay, tons				8 2.6		2.2
Soybean hay, tons	<b>0.,</b> 0	1 A 10 A	ř.,	1.6		1.7
Mixed legume & non-leg	rume hav.	tons		2.0	2.4	1.9
legumes for seed, lbs.				81.	. <b>84.</b>	3 67. 1835 10 10 10
			and the state of		And the second of the second	and the second second second second second second
Timothy and/or brome l	nav. tons	- 2	The second secon	1.6	1.6	1.8
Timothy seed, lbs.		The second section of the section of the second section of the section of the second section of the secti		207.	v <b>=</b> 1	***
Other annual hay, ton				1.2	λ 1; •••	1.1
Phalaris hay or non-t			and the street of the street o	i.i.	n and the second	and the second section of the section o
	المساسر والمساورة والمساورة		the second second second			

Tab.	le 21.	Average	Price	of Feeds.	1945
1,40 (1.55)	,	1.44		and the state of the state of the state of	
373		The state of the s	All Liberts	and the second s	
		4. 4. 9.			

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Item		Value	Item	Value
Ear corn, per bu.		\$86	Alfalfa hay, per ton	\$15.00
Oats, per bu.		•64	Red or alsike clov. hay, per to	n 12.75
Barley, per bu.	the state of the s	•94	Soybean hay, per ton	12.75
Wheat, per bu.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.50	Timothy, per ton	9.00
Rye, per bu.		1.20	Sweet clover, per ton	8.75
Soybeans, per bu.		2.05	Wild hay, per ton	7.50
Bran, per cwt.		2.20	Corn fodder, per ton	6.75
Linseed oilmeal, per	cwt.	2.82	Corn silage, per ton	5.00
Soybean oilmeal, per	cwt.	3,05	Pasture, per mo, per an. unit	1.10
Tankage, per cwt.		4.10	Skim milk. per cwt.	•26
		i a i		

Table 22. Summary of Amount of Livestock, 1945

The state of the s	Your	Average of 170	34 most profitable	34 least profitable
tems	farm	farms	farms	farms
of horses		attle a same		The state of the s
		3.2	3.5	3.1
of colts		.5	•3	. 8
of dairy & dual purpose cows	***	17.3	20.5	16.3
ead of other dairy & dual pur cattle		17.6	20.2	17.5
ead of cattle in beef breeding herd		3.4	1.6 dg /	2.1
unds of feeder cattle produced	***************************************	920	2129	977
Market Art Market Art Market and Art Market	<del></del>			
ttters of pigs 1.3		12.3	14.4	11.4
unds of hogs produced	***********	18669		The state of the s
ead of sheep (2 lambs = 1 head)	****	•	24692	A Committee of the Comm
	**********	. 11.8		9.3
of hens	****	. 247	275	239
The same and the same			•	
tal no. of prod. lvstk.animal units		44.1	54.3 and (	39.7
as the managing of space of the state of the		-		
of total that are:	. Names and a special control of the special	tope the service of t		
Dairy cows		38.0	39.6	36.7
Other dairy cattle	****	19.0	19.1	_
and the same of th		3.7		
	-		5.44.2.6888 HE	
Other dual purpose cattle		2.8	2.2	~
Beef breeding herd	<del></del>		1.2 h	
Feeder cattle	the selection of the patient state of the second section of	. 2.8 -		3.5
Hogs 3.3		17.8	16.7	18.3
Sheep		3.9	2.71.4. Same of	3.6
Sheep		3.9	2.11.4. Santan'	
	fisc. Pow	3.9 1.5 6.6	6.6,	7.4
Turkeys Hens  Table 23. Feed Costs for Horses and M	Your	3.9 1.5 6.6 er and Mac Average of 163	1.4. 5.0 6.6. hinery Expense 32 most profitable	7.4 e, 1945 34 least profitable
Turkeys Hens Table 23. Feed Costs for Horses and Moses	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*	7.4 6, 1945 34 least
Turkeys Hens Table 23. Feed Costs for Horses and Mems	Your farm	3.9 1.5 6.6 er and Mac Average of 163	1.4. 5.0 6.6.  hinery Expense 32 most profitable farms*	7.4 e, 1945 34 least profitable
Turkeys Hens Table 23. Feed Costs for Horses and Mosems eed per horse, ** Lbs.:	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expens. 32 most profitable farms*	e, 1945  34 least profitable farms
Turkeys Hens Table 23. Feed Costs for Horses and Mens  ems  eed per horse, ** Lbs.: Grain	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*	7.4 e, 1945 34 least profitable farms
Turkeys Hens  Table 23. Feed Costs for Horses and Mosems  eed per horse. ** Lbs.: Grain Hay	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expense 32 most profitable farms*	7.4 e, 1945 34 least profitable farms 959 3174
Turkeys Hens Table 23. Feed Costs for Horses and Mens  ems  eed per horse, ** Lbs.: Grain	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*	7.4 e, 1945 34 least profitable farms
Turkeys Hens  Table 23. Feed Costs for Horses and Moder and Proceedings of the costs for Horses and Moder and Stover	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expense 32 most profitable farms*	7.4 e, 1945 34 least profitable farms 959 3174
Turkeys Hens  Table 23. Feed Costs for Horses and Moderate Process and M	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*	e, 1945  34 least profitable farms  959 3174 247
Turkeys Hens  Table 23. Feed Costs for Horses and Moderate Process and M	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171	959 3174 247
Turkeys Hens  Table 23. Feed Costs for Horses and Moderate Process and M	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms*	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*	959 3174 247
Turkeys Hens  Table 23. Feed Costs for Horses and Modern Horses and Modern Hay Fodder and stover  Grain Hay Fodder and stover  Grain Roughage Pasture	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171	959 3174 247 \$16.52 16.96
Turkeys Hens  Table 23. Feed Costs for Horses and Modern Proceed per horse, ** Lbs.: Grain Hay Fodder and stover Grain Roughage Pasture TOTAL FEED COSTS	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171  \$22.42 20.38 4.11	959 3174 247 \$16.52 16.96
Turkeys Hens  Table 23. Feed Costs for Horses and Mosems  eed per horse, ** Lbs.: Grain Hay Fodder and stover  Grain Roughage Pasture  TOTAL FEED COSTS	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171  \$22.42 20.38 4.11	7.4 e, 1945 34 least profitable farms 959 3174 247 \$16.52 16.96 4.27
Turkeys Hens  Table 23. Feed Costs for Horses and Mosems  Seed per horse. ** Lbs.: Grain Hay Fodder and stover  Seed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44 \$43.79	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171 \$22.42 20.38 4.11 \$46.91	959 3174 247 \$16.52 16.96 4.27 \$37.75
Turkeys Hens  Table 23. Feed Costs for Horses and Mosems  Seed per horse. ** Lbs.: Grain Hay Fodder and stover  Sed costs per horse: Grain Roughage Pasture TOTAL FEED COSTS	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44 \$43.79	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171 \$22.42 20.38 4.11 \$46.91	7.4 e, 1945 34 least profitable farms 959 3174 247 \$16.52 16.96 4.27 \$37.75
Turkeys Hens  Table 23. Feed Costs for Horses and Modern and Stover  Grain Hay Fodder and stover  Grain Roughage Pasture TOTAL FEED COSTS  umber of work horses  umber of colts	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44 \$43.79	1.4. 5.0 6.6. hinery Expens 32 most profitable farms*  1271 3598 171  \$22.42 20.38 4.11 \$46.91	**************************************
Turkeys Hens  Table 23. Feed Costs for Horses and Modern and Stover  Grain Hay Fodder and stover  Grain Roughage Pasture  TOTAL FEED COSTS  umber of work horses  umber of colts	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44 \$43.79	1.4 5.0 6.6 hinery Expens 32 most profitable farms* 1271 3598 171 \$22.42 20.38 4.11 \$46.91 3.8	**************************************
Turkeys Hens  Table 23. Feed Costs for Horses and Moderate Peed per horse, ** Lbs.: Grain Hay Fodder and stover  Grain Roughage Pasture TOTAL FEED COSTS  umber of work horses  cop acres per farm	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44 \$43.79 3.4 .6	1.4 5.0 6.6 hinery Expens 32 most profitable farms* 1271 3598 171 \$22.42 20.38 4.11 \$46.91 3.8	7.4 e, 1945  34 least profitable farms  959 3174 247  \$16.52 16.96 4.27 \$37.75
Turkeys Hens  Table 23. Feed Costs for Horses and Modern and Stover  Grain Hay Fodder and stover  Grain Roughage Pasture  TOTAL FEED COSTS  umber of work horses  umber of colts	Your farm	3.9 1.5 6.6 er and Mac Average of 163 farms* 1063 3758 431 \$18.75 20.60 4.44 \$43.79	1.4 5.0 6.6 hinery Expens 32 most profitable farms* 1271 3598 171 \$22.42 20.38 4.11 \$46.91 3.8	7.4 e, 1945 34 least profitable farms 959 3174 247 \$16.52 16.96 4.27 \$37.75 3.1 .8

<sup>\*</sup>Seven farmers did not have horses. The crop acres and expenses per crop acre are averages of 170 farms.

<sup>\*\*</sup>Two colts equal one horse.

Table 24. Feed Costs and Returns from Hogs, 1945

Items	Your farm	Average of 159 farms	32 farms highest in returns above feed	32 farms lowest in returns above feed
Feed per cwt. hogs produced, lbs.: Corn Small grain Commercial feeds Total concentrates Skim milk, buttermilk and whey		414 93 44 551 60	310 85 32 427 58	580 122 <u>45</u> 747 85
Feed cost per cwt. hogs produced: Concentrates Skim milk, buttermilk and whey Pasture TOTAL FEED COSTS	\$\$	\$9.64 15 18 - \$9.97	.15 .16	12.86 .22 .24 13.32
Net increase in value per cwt. hogs prod	i.\$	\$14.23 \$	14.90 \$	13.78
RETURNS ABOVE FEED COST PER CWT. HOGS PROD.	\$	_ \$4.26	\$7.16	\$ 46
RETURNS FOR \$100 OF FEED Price received per cwt. hogs sold	\$		建氯酸 "这一人,我们的人。"	\$106 14.14
No. of spring litters raised No. of fall litters raised Total no. of litters raised No. of pigs born per litter No. of pigs weaned per litter Pounds of hogs produced		8 5 13 7.9 6.3 19853	8 6 14 8.3 6.5 21381	7 4 11 7.2 5.9 13525

High returns are associated with high quality management. The combined effect on return over feed from excelling in a number of hog management factors is shown in Table 25. The factors included are: (1) pounds of concentrates required to produce 100 pounds of hogs including skim milk and buttermilk on a grain equivalent basis, (2) price received for hogs sold, (3) number of pigs born per litter, (4) number of pigs weaned per litter, and (5) sanitation (pigs raised on clean ground). The 18 farmers who were below the average of the group in all five factors received a return over feed cost of \$2.23 per 100 pounds of hogs produced as compared to \$5.71 for the 7 farmers who were above average in all five factors. The difference between the two extremes amounts to \$3.48 per 100 pounds or \$691 for the average production of 19853 pounds of hogs on these farms.

Table 25. Relation of Return Over Feed Per 100 Pounds of Hogs to the Number of Management Factors in Which Farmers Excelled

No. of fa	ctors	No.	The length of the shaded lines are in	Average
in which		of "	proportion to the average return over	return
excels	+ + + + ++	farms*	feed per 100 pounds of hogs	over feed
0		18 23	xxxxxxxxxxxx	\$2.23
1	. 131 }	23	******	3.43
2		42	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	4.34
3	12.7	42	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	4.72
4		23	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	5.29
5		7	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	5.71

\* The data from 4 farmers who purchased feeder pigs or who did not supply information on sanitation practices were omitted from this table.

counds of butterfat per cow         254         338         167           ceds per cow, lbs:         1192         1352         848           Small grain         746         1259         264           Commercial feeds         446         677         234           Legume hay         3252         3959         2924           Other hay         923         653         823           Fodder and stover         385         869         516           Total concentrates         2384         328         1341           Total dry roughage         4560         4981         4263           Silage         6932         7237         7517           Otal digestible nutrients*         20.7         16.3         26.5           5.D.N. per lb. E.F.         20.7         16.3         26.5           8.comentrates         \$44.7         \$6.39         \$24.55	tems			Your farm	Average of 143 farms	29 farms highest in butterfat per cow	butterfat per cow
Seed per cow, lbs:   Corn	Pounds of butterfat	per cow	J. 1 1.		, , ,		the state of the s
Small grain				the proof Observed			Same Circle
Small grain				e - Marie a constiguio del del mandes del Agrico	1192		
Legume hay   3252   3959   2924     Other hay   923   653   623     Fodder and stover   385   369   516     Total concentrates   2364   3288   1341     Total dry roughage   4560   4981   4263     Silage   6932   7237   7617     Cotal digestible nutrients*   20.7   18.3   26.5     T.D.N. per lb. B.F.   20.7   18.3   26.5     T.D.N. that is protein   13.4   14.5   12.4     Feed cost per cow:   544.77   563.98   524.55     Roughages   5.42   5.22   5.51     TOTAL FEED COSTS   \$95.32   \$119.14   \$74.03     Value of produce per cow:   5.42   5.32   5.51     B.F. Sales   5   195.72   \$270.36   \$112.41     Dairy produce used in house   7.04   6.92   8.67     Mik to livestock   11.30   10.82   11.05     Net increases in value of cows   7.11   6.99   2.43     TOTAL VALUE FRODUCED   \$231.17   6295.09   \$134.56     RETURNS ABOVE FEED COST PER CON   \$125.85   \$175.95   \$60.53     RETURNS FOR \$100 OF FEED   \$239.   \$255.   \$395.     Frice rec.per lb. B.F. sold (cts)   83.0   85.5   76.7     As manufacturing creem (cents)   64.9   65.2   64.7     Other (cents)   37.5   35.2   44.3     Feed cost per lb. B.F. (cents)   37.5   35.2   44.3     Sfall freshening   52.1   56.5   46.2     Ummber of cows**   18.7   20.7   15.7	Small grain	Conflict (Conflict)  Market Conflict  The Co	distribution.	est place to all our dynamics of the			
Other hay Fodder and stover		3		ar refer flange managed of the	Allerine		
State	Legume hay				3252 <u></u>	3959	2924
Total concentrates	Other hay	2545. 開育 ×	1000	<u>'</u>			
Total concentrates 2384 3288 1341 Total dry roughage 4560 4981 4263 Silage 6932 7237 7617  Total digestible nutrients* 5248 6192 4420 D.N. per lb. B.F. 20.7 18.3 26.5 T.D.N. that is protein 13.4 14.5 12.4  Feed cost per cow: 544.77 \$63.98 \$24.55 Roughages 45.13 649.94 43.97 Pasture 5.42 5.22 5.51  TOTAL FEED COSTS \$ \$95.32 \$119.14 \$74.03  Value of produce per cow: \$ \$195.72 \$270.36 \$112.41 Dairy produce used in house 7.04 6.92 8.67 Milk to livestock 11.30 10.82 11.05 Net increases in value of cows 711 6.99 2.43  TOTAL VALUE PRODUCED \$ \$221.17 \$295.09 \$154.56  RETURNS ABOVE FEED COST PER COW \$ \$125.85 \$175.95 \$ 60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per lb. B.F. sold (cts) 83.0 85.5 76.7 As manufacturing cream (cents) 64.9 65.2 64.7 Other (cents) 88.7 88.8 89.7  Feed cost per lb. B.F. (cents) 37.5 35.2 44.3	Fodder and stove			and the property of the second	385 <sub>18</sub> (cc	7 3 <b>69</b> (31)	516
Total dry roughage		4.7		the manifest of the second	<del></del>		1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Total dry roughage			No. of S	4 63 64 14 14 62 17 64 6 61 19 2 12 1 12	<del></del>		1341
Cotal digestible nutrients*  C.D.N. per 1b. B.F.  C.D.N. per 1b. B.F.  C.D.N. per 1b. B.F.  C.D.N. that is protein  13.4  14.5  12.4  Feed cost per cow:  Concentrates  ROUGHAGES  FOTAL FEED COSTS  \$ \$44.77 \$63.98 \$24.55  ROUGHAGES  FOTAL FEED COSTS  \$ \$44.77 \$63.98 \$24.55  ROUGHAGES  \$ \$44.77 \$63.98 \$24.55  \$ \$43.97  \$ \$43.97  \$ \$5.42 \$5.22 \$5.51  \$ \$95.32 \$119.14 \$74.03  Value of produce per cow:  E.F. Sales  \$ \$195.72 \$270.36 \$112.41  Dairy produce used in house  \$ \$10.0 \$6.92 8.67  Milk to livestock  \$ \$11.05  Not increases in value of cows  \$ \$11.05  Not increases in value of cows  \$ \$221.17 \$295.09 \$134.56  RETURNS ABOVE FEED COST PER COW  \$ \$221.17 \$295.09 \$134.56  Price rec.per 1b. B.F. sold (cts)  \$ \$239. \$255. \$195.  Feed cost per 1b. B.F. (cents)  \$ \$3.0 85.5 76.7  As manufacturing cream (cents)  \$ 64.9 65.2 64.7  Other (cents)  \$ \$37.5 35.2 44.3  \$ fall freshening  \$ 52.1 55.5 46.2  Number of cows**  **Number of cows**	Total dry roughs	age		route a evel, respective			
20.7 18.3 26.5 12.4 14.5 12.4 15.5 12.4 12.5 12.5 12.5 12.4 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	Silage		55.440	رون د او د این در دو د مورسود دورد در	<u></u>	7237 alev ed	7617
Feed cost per cow:  Concentrates  Roughages  Pasture  TOTAL FEED COSTS  Roughages  For a sture	Total digestible nu	itrients*		******************************	<u> </u>	14 <b>61</b> 92	HT 4420 HTT
Concentrates \$ \$44.77 \$63.98 \$24.55 Roughages \$ 45.13 \$ 49.94 \$43.97 Pasture \$ 5.42 \$5.22 \$5.51 TOTAL FEED COSTS \$ \$95.32 \$119.14 \$74.03 \$74.0			A STATE OF THE STA	5			26,5
Concentrates	% T.D.N. that is pr	rotein		and the second	13.4		·
Concentrates	10 mm	2014	$\int_{-2\pi}^{-2\pi} \frac{1}{r^2} $	je Service karalise		TENER TO COM	
Roughages Pasture  TOTAL FEED COSTS  \$ 95.32  \$ 119.14  \$ 74.03  Value of produce per cow:  B.F. Sales  \$ \$195.72 \$270.36  \$ \$112.41  Dairy produce used in house  7.04  Milk to livestock  Net increases in value of cows  TOTAL VALUE PRODUCED  RETURNS ABOVE FEED COST PER COW  As manufacturing creem (cents)  Other (cents)  Feed cost per lb. B.F. sold (cts)  A fall freshening  45.13  49.94  43.97  5.42  5.22  5.51  \$74.03  \$119.14  \$74.03  \$112.41  1.30  10.82  11.05  2.43  7.11  \$299  2.43  \$221.17  \$295.09  \$134.56  \$221.17  \$295.09  \$134.56  \$239.  \$255.  \$195.  \$195.  \$239.  \$256.  \$195.  \$40.7  64.9  65.2  64.7  64.9  65.2  64.7  65.2  64.7  64.2		14.417		\$			
TOTAL FEED COSTS \$ \$95.32 \$119.14 \$74.03  Value of produce per cow:  B.F. Sales \$ \$195.72 \$270.36 \$112.41  Dairy produce used in house 7.04 6.92 8.67  Milk to livestock 11.30 10.82 11.05  Net increases in value of cows 7.11 6.99 2.43  TOTAL VALUE PRODUCED \$ \$221.17 \$295.09 \$134.56  RETURNS ABOVE FEED COST PER COW \$ \$1.25.85 \$175.95 \$60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price receper 1b. B.F. sold (cts) 83.0 85.5 76.7  As manufacturing creem (cents) 64.9 65.2 64.7  Other (cents) 88.7 88.8 89.7  Feed cost per 1b. B.F. (cents) 37.5 35.2 44.3  Vumber of cows** 18.7 20.7 15.7	Concentrates			\$		•	•
TOTAL FEED COSTS \$ \$95.32 \$119.14 \$74.03  Value of produce per cow:  B.F. Sales \$ \$195.72 \$270.36 \$112.41  Dairy produce used in house 7.04 6.92 8.67  Milk to livestock 11.30 10.82 11.05  Net increases in value of cows 7.11 6.99 2.43  TOTAL VALUE PRODUCED \$ \$221.17 \$295.09 \$134.56  RETURNS ABOVE FEED COST PER COW \$ \$125.85 \$175.95 \$60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per 1b. B.F. sold (cts) 83.0 85.5 76.7  As manufacturing creem (cents) 64.9 65.2 64.7  Other (cents) 64.9 88.7 88.8 89.7  Feed cost per 1b. B.F. (cents) 37.5 35.2 44.3  In fall freshening 52.1 56.5 46.2		<u>.</u> ii					
Value of produce per cow:  B.F. Sales  B.F		$\mathcal{G}$	1.7				
Value of produce per cow:  B.F. Sales  B.F	TOTAL	FEED COST		\$			
B.F. Sales Dairy produce used in house Total value of cows TOTAL VALUE PRODUCED  RETURNS ABOVE FEED COST PER COW As manufacturing cream (cents) Other (cents)  Feed cost per 1b. B.F. (cents)  Fall freshening  \$ \$195.72 \$270.36 \$112.41  \$ \$1270.36 \$112.41  \$ \$120.36  \$ \$112.41  \$ \$0.92  \$ \$.67  \$ \$231.17 \$295.09  \$ \$134.56  \$ \$221.17 \$295.09  \$ \$134.56  \$ \$239.\$ \$255.\$ \$175.95  \$ \$60.53  \$ \$239.\$ \$255.\$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$195.\$  \$ \$239.\$ \$255.\$  \$ \$255.\$				en en proprietation en de la propriet de			
Dairy produce used in house 7.04 6.92 8.67  Milk to livestock 11.30 10.82 11.05  Net increases in value of cows 7.11 6.99 2.43  TOTAL VALUE PRODUCED \$ \$221.17 \$295.09 \$134.56  RETURNS ABOVE FEED COST PER COW \$ \$1.25.85 \$1.75.95 \$60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per 1b. B.F. sold (cts) 83.0 85.5 76.7  As manufacturing cream (cents) 64.9 65.2 64.7  Other (cents) 88.7 88.8 89.7  Feed cost per 1b. B.F. (cents) 37.5 35.2 44.3  % fall freshening 52.1 56.5 46.2				scapecialistic hybrid racing			
Net increases in value of cows 7.11 6.99 2.43  TOTAL VALUE PRODUCED \$ \$221.17 \$295.09 \$134.56  RETURNS ABOVE FEED COST PER COW \$ \$125.85 \$175.95 \$ 60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per 1b. B.F. sold (cts) 83.0 85.5 76.7  As manufacturing cream (cents) 64.9 65.2 64.7  Other (cents) 37.5 35.2 44.3  % fall freshening 52.1 56.5 46.2				\$		\$270.36	\$112.41
Net increases in value of cows 7.11 6.99 2.43  TOTAL VALUE PRODUCED \$ \$221.17 \$295.09 \$134.56  RETURNS ABOVE FEED COST PER COW \$ \$125.85 \$175.95 \$ 60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per 1b. B.F. sold (cts) 83.0 85.5 76.7  As manufacturing cream (cents) 64.9 65.2 64.7  Other (cents) 37.5 35.2 44.3  % fall freshening 52.1 56.5 46.2			lse	and the second of the second o		6.92	8.67
### TOTAL VALUE PRODUCED	Milk to livesto	ck		and the contract of	11.30	TO • 0%	77.00
RETURNS ABOVE FEED COST PER COW \$ \$125.85 \$175.95 \$ 60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per 1b. B.F. sold (cts) \$ 64.9 65.2 64.7 Other (cents) \$ 88.7 88.8 89.7 89.7							
RETURNS ABOVE FEED COST PER COW \$ \$125.85 \$175.95 \$ 60.53  RETURNS FOR \$100 OF FEED \$ \$239. \$255. \$195.  Price rec.per 1b. B.F. sold (cts) 64.9 65.2 64.7  Other (cents) 88.8 89.7  Feed cost per 1b. B.F. (cents) 37.5 35.2 44.3  ### fall freshening 64.2  Number of cows**	TOTAL	VALUE PRO	DDOGED	\$ 141 S	_\$221.17	\$295.09	\$134.56
RETURNS FOR \$100 OF FEED 20 20 20 20 3 \$239. \$255. \$19	RETURNS ABOVE FEED	COST PER	.cow (1/2)	naturas <b>s</b> iluud 🤧	\$125.85	\$175.95	\$ 60.53
RETURNS FOR \$100 OF FEED  \$ \$239. \$255. \$195. \$1	is the second of the second	thii tar t	ซอร์ ตระกับ		Heli ibina 8	5.00 401 50419	
Price rec.per 1b. B.F. sold (cts)  As manufacturing cream (cents)  Other (cents)  Feed cost per 1b. B.F. (cents)  fall freshening  Number of cows**    18.7	RETURNS FOR \$100	OF FEED	Boslan	oping) <b>s</b> amida	\$239.	\$255.	\$195
As manufacturing cream (cents) 64.9 65.2 64.7 Other (cents) 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.7 65.2 64.3 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2	Price receper 102	B.F. sold	(cts)	To show by (	83.0	85.5	3 776.7
Other (cents) and the field to show of 001 and 88.70 at 88.80 at 189.70 at 1	As manufacturin	e cream (c	ients)	: Lic mi eşi	64.9	~~65 <b>.</b> 2**	64.7
Feed cost per 1b. B.F. (cents) 37.5 35.2 44.3  % fall freshening 25.1 20.00 10	Other (cents)	ែក ក្រុ	1998 tr	akaan 700 E	88.7	ा ।88 <u>.</u> 89/८० ०८५	******************************
% fall freshening	Feed cost per 1b.	B.F. (cent	ts)				
or programme the reflection of the programme and the distributed and the second of the reflection of the second of	% fall freshening	Asile:	il etimi	in Vilia Pa	52.1	56.5	46.2
Number of cows**	and the same of th	and the second of	"我没有我们"的意识。	with the same	化基基酚 经流量 医皮肤炎		网络维生物 医骨折 "健康" 计算法
	Number of cows**		rdig to Habberta	rytus priid at	18.7 cm	20.72.	ans. 15.7. d

<sup>\*</sup>Not including nutrients received from pasture.

<sup>\*\*</sup>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 27. Feed Costs and Returns from Other Dairy Cattle, 1945

Items		era elek elektrik elektrik elektrik	Your	Average of 142 farms*	-	butterfat
Feeds per head, lbs.	•			·		
Concontrates			Anni Caran Maria ya Ingilia	566	721	315
Hay and fodder	4.			1841	1933	1773
Silage	raine De t		Property of the second	2304	2127	2167
Skim milk		1.5 kg 5.	<del> </del>	319	333	409
Whole milk	•			360	397	241
	v <sub>j</sub> m	1200	***	_ 000		~ ==
POTAL FEED COSTS PER	RHEAD		****** <b>*</b>	\$40.05	\$44.70	\$32.14
		14 S	North of the base of the co	_ + 0 0 0 0	Ψ- <b></b>	<b>#</b> > ~ <b>9</b> •
Net inc. in value of	other da	iry cati	ile.	\$45.26	<b>\$</b> 59 <b>.</b> 49	\$38.05
			***************************************	_ *	<b>****</b>	
RETURNS ABOVE FEED CO	OST PER H	EAD	\$	_ \$5,21	\$14.79	\$5,91
<b>V</b>		8,844	Telephone Services appet	-		
returns for \$100 of 1	FHED	7, 2, 2, 2	\$	\$135.	\$139	\$1.26.
	trade	ever je		· ·	ing mengangkan kebangan dan 1907 di	en e
Number of head of otl	per dairy	cattle	Law estimates or page section (4)	18.1	19.4	17.0
·			The extrapolate of the contract of the contrac			
Table 28.	Feed Cost	s and Re	aturns From	All Dairy	Cattle, 1945	છે. જેટલ મુખ્
	e de la companya de	Maria Madagai Agai tang	e restrice auxiliar qui su			Carrett des transport
			antra Telephologypinensy		29 farms	29 farms
•			ta ing mengentah pada pengganggan Pelan- Pelan	Average	highest in	lowest in
			Your			
				of 143	butterfat	butterfat
[ tems	*		farm	of 143 farms	butterfat per cow	
	+ 11 -	And the state of				butterfat
Feeds per animal uni	t, lbs.:			farms	, per cow	butterfat per cow
Feeds per animal uni Concentrates	t, lbs.:			farms 1919	per cow 2509	butterfat per cow 1064
Teeds per animal uni Concentrates Hay and fodder	t, lbs.:			farms  1919 4167	per ców <b>2609</b> 4481	butterfat per cow 1064 3984
Feeds per animal uni Concentrates	t, lbs.:			farms 1919	per cow 2509	butterfat per cow
Feeds per animal uni Concentrates Hay and fodder Silage	ANIMAL UI	are the	farm	farms  1919 4167 6069	per cow 2509 4481 6157 \$98.53	butterfat per cow 1064 3984 6668
Hay and fodder Silage FEED COSTS PER	ANIMAL UI	are the	farm	farms  1919 4167 6069	per cow 2509 4481 6157 \$98.53	butterfat per cow 1064 3984 6668 \$64•15
Feeds per animal uni Concentrates Hay and fodder Silage FEED COSTS PER Value of produce per	ANIMAL UI	are the	farm	farms  1919 4167 6069 \$81.71	per cow <b>2609</b> 4481 6157 \$98.53	butterfat per cow 1064 3984 6668 \$64•15
Feeds per animal uni Concentrates Hay and fodder Silage  FOTAB FEED COSTS PER Value of produce per Dairy products	ANIMAL UI	nit:	farm	farms  1919 4167 6069 \$81.71	<b>2609</b> 4481 6157 \$98.53	butterfat per cow 1064 3984 6668 \$64.15
Feeds per animal uni Concentrates Hay and fodder Silage  FOTAL FEED COSTS PER Value of produce per Dairy products Net increase in va	ANIMAL UI animal ur	nit:	farm	farms  1919 4167 6069 \$81.71 \$136.30 32.22	<b>2609</b> 4481 6157 \$98.53	butterfat per cow 1064 3984 6668 \$64.15 \$80.84 27.85
Feeds per animal uni Concentrates Hay and fodder Silage  FOTAB FEED COSTS PER Value of produce per Dairy products	ANIMAL UI animal ur	nit:	farm	farms  1919 4167 6069 \$81.71 \$136.30 32.22	<b>2609</b> 4481 6157 \$98.53	butterfat per cow 1064 3984 6668 \$64.15
Feeds per animal uni Concentrates Hay and fodder Silage  FOTAB FEED COSTS PER Value of produce per Dairy products Net increase in va	ANIMAL UI animal ur al. of da: PRODUCED	it;	farm	farms  1919 4167 6069 \$81.71 \$136.30 32.22 \$168.52	<b>2609</b> 4481 6157 \$98.53	butterfat per cow 1064 3984 6668 \$64.15 \$80.84 _27.85 \$108.69
Feeds per animal uni Concentrates Hay and fodder Silage FOTAR FEED COSTS PER Value of produce per Dairy products Net increase in va TOTAL VALUE I	ANIMAL UI animal un al. of da: PRODUCED ER ANIMAL	nit: iry catt	farm	farms  1919 4167 6069 \$81.71 \$136.30 32.22 \$168.52	2609 4481 6157 \$98.53 \$184.12 38.50 \$222.62 \$124.09	butterfat per cow 1064 3984 6668 \$64.15 \$80.84 _27.85 \$108.69

<sup>\*</sup> One farmer having both a dairy and a beef herd used a beef bull and included all the young stock in the beef herd.

Factors of Cost and Returns from Dual Purpose Cows, 1945 9 farms 9 farms highest in Average lowest in 1 200 Your of 18 butterfat butterfat Items TO CO farm farms per cow per cow Pounds of butterfat per cow 134 212 Feeds per cow, lbs.: Corn 884 868 852 Small grain 529 654 404 Commercial feeds 249 198 146 2372 Legume hay 2703 3034 641 Other hay 591 616 Fodder and stover 418 679 157 124 Total concentrates 1595 1755 1434 3737 4354 Total dry roughage 3120 5006 4484 Silage 4745 200 mile 2 / 1 / 1 200 mile Total digestible nutrients\* 3880 4336 3424 T.D.N. per 1b. B.F. 22.4 20.5 25.6 % T.D.N. that is protein 13.2 13.4 13.1 Feed cost per cow: \$25.87 Concentrates \$29.12 \$32.38 Roughages 34.95 38.94 30.96 Pasture 5.74 5.86 5.97 \$77.29 TOTAL FEED COSTS \$69.93 **\$**62.57 Value of produce per cow: B.F. sales\*\* \$141.78 \$106.30 \$70.82 Dairy produce used in house 7.96 7.62 7.28 Milk to livestock 20.78 17.85 23.71 Net increases in value of cows 9.38 4.27 14.48 \$144.08 TOTAL VALUE PRODUCED \$171.86 \$116.29 RETURNS ABOVE FEED COST PER COW \$94.57 \$74.15 \$53.72 RETURNS FOR \$100 OF FEED \$218. \$233. \$204. . 225 77.7 . 2 42 5 Price received per lb. B.F. sold (cts)\*\* 74.2 70.6 66.1 As manufacturing cream (cents) 66.2 66.3 85.3 Other (cents) 85.7 36.5 Feed cost per 1b. B.F. (cents) 40.4 46.7 % fall freshening 41 43 45 Number of cows 14.8 13.7 15.9

<sup>\*</sup> Not including nutrients received from pasture.

<sup>\*\*</sup> Including dairy subsidy payments.

Table 30. Feed Costs and Returns from Other Dual Purpose Cattle, 1945

Items	Average Your of 18 farm farms	9 farms highest in returns above feed	9 farms lowest in returns above feed
Feeds per head, 1bs.: Concentrates Hay and fodder Silage Skim milk Whole milk	571 1691 1850 579 481	603 1418 2105 722 460	540 1963 1594 436 502
TOTAL FEED COST PER HEAD	\$41.90	\$40.94	\$42.85
Net increase in value	\$46.55	\$55 <b>.</b> 85	\$37.24
RETURNS ABOVE FEED COST PER HEAD	\$4,65	\$14.91	-5.61
RETURNS FOR \$100 OF FEED	\$120.	\$150.	\$90.
Number of head	23.5	23.0	24.0
			•

Table 31. Feed Costs and Returns From All Dual Purpose Cattle

	ante ore tee	u costs a	and Returns	From All Do	ar rurpose va	ttre
		da da ya			9 farms	9 farms
		9 34	1.37 T	Average	highest in	lowest in
		etimir	Your	of 18	returns	returns
tems		in the first of the second	farm	farms	above feed	above feed
ounds of butt	erfat per cow	tot	1934 1934 1944 1944 1944 1944 1944 1944	173	188	158
'eeds per anim	al unit, lbs.	\$ 100 mm			A Programme A	
Concentrate	S			_ 1366	1036	1696
Hay and fod	der	933		3447	3279	3615
Silage		er ,	· · · · · · · · · · · · · · · · · · ·	4201	4001	4400
OTAL FEED COS	TS PER ANIMAL	UNIT	\$	\$61.57	\$53.30	\$69.83
alue of produ	ce per animal	າກຳt:	•	. The gallet at the	atro the seali	etity,
Dairy produ		18.44	\$	\$65.26	\$78.43	
	e in value		er delikulanian in a	40.79	40.75	40.82
	AL VALUE PROD		\$	\$106,05	\$119.18	\$92.91
ETURNS ABOVE	FEED PER ANIM	AL UNIT	\$	<b>\$44:</b> 48	\$65.88	\$23.08
						********
ETURNS FOR \$1	oo of feed		\$	\$186.	\$235	\$136.
			A Service of the Control of the Cont	•		
nimal units				27.0	24.0	30.0
	a waaring Salahari	2010	The second secon			
		5.4.11	this county treat?			
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		the same				

Carrier St. St. V

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The farmer who excels in all phases of the management of the dairy herd receives a larger return than one who excels in none or only a few of the management factors. The combined effect on return over feed per cow in the dairy herd from excelling in a number of management factors is shown in Table 32. The factors included are (1) pounds of butterfat per cow, (2) total digestible nutrients per pound of butterfat, (3) percentage of protein in the T.D.N. (4) price received for butterfat, (5) feed cost per pound of butterfat, and (6) percentage of fall freshening. Ten farmers were below the average of the group in all six factors; their return over feed amounted to \$57.26 per cow. Thirteen farmers who were above the average of the group in all six factors received a return over feed of \$193.34 per cow. The difference between these two extremes amounts to \$136.08 per cow or \$2545 for the average herd of 18.7 cows.

Table 32. Relation of Return Over Feed per Dairy Cow to Number of Management Factors in Which Farmers Excelled

No. of factors in which farmer excels	No. of farms	The length of the shaded lines is in proportion to the average return over feed per milk cow	Average return over feed
135.01	10 15	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	\$57.26
. <b>2</b> 63	. <b>24</b>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	93.15 91.88
3	30	XXXXXXXXXXXXXXXXXXX	114.45
4	. 23	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	138.13
5	28	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	167.78
6	13	*************************************	193.34

	Table 33.	Feed Cost	s and Return	s for Tur	keys, 1945	and the second s
นล์ร์ละซ	Service of the Servic	Transfer	www.mines.com		4 farms	
ا آن الروز (ما مولاد المعادلة معادلة المعادلة المعادلة المعادلة المعادلة المعادلة المعادلة المعادلة المعادلة ا المعادلة المعادلة ال	en erger men er en en er	and the second second second in the con-	in the Art of the Medick, in the large time. Mark the Control of the Art of the large time.	Average	highest in	lowest in
Items		Section of the second	Your			
				farms	above feed	above feed
Feed per cwt.	turkeys pro	duced, 1bs	• Para Ti			
Grain Commondial	and the second of the second o	androne from the second se	The state of the s	361	407	294
Commercial	Ieeds			224	<u>198</u>	<u>272</u>
Motol compo	an da da car da la				oda kabara de	
Total conce		o Olympia Parties		585	605	566
and the second of the second o	The company of the co	Vandida . Amerika		7	17	. 0
ed cost per		ra modunad	· · · · · · · · · · · · · · · · · · ·	¢15 20	\$15.11	ers oz
	Chos our vel	s produced		•	**	
alue of produ	ce per cwt.	turkere n	rod.	Alaman St. Hall		
Eggs and po		ourrels b	s s	\$1:45	\$3,27	e de la companya de
Net increas	es in turke	vs	Y	28,13	<u>30.80</u>	25.83
<b>OTAL</b>	VALUE PROI	UCED.	\$	\$29.58	\$34.07	\$25.83
			the end of the second s	Magazin e Mg	्राक्षां स्थापन्ति । १८५८ । १९५४ - १९५५ - १९५५ - १९५५ - १९५५	), करवर्गन्यः 18
ETURNS ABOVE			the admits the second of the s	A setting in the court of	en e de la companya d La companya de la co	
TURKEYS PRO	DUCED	10 (A) (A)	\$	\$14.30	\$18.96	\$ 9.90
ETURNS FOR \$1	oo feed	en gerende Stander de Green	\$	\$195	\$227	\$163
rice rec'd pe	r lb. turke	y sold(cts	<b>)</b>	33 <b>.</b> 0	33.7	32.6.
o. of poults			The section with Marine 4 of Feb.	1823	3071	556
rice paid per			)	84.1	86.5	83.2
eight per bir	d sold, lbs	•		18.3		
death loss	ere e e e e e e e e e e e e e e e e e e	in dige in which in electricity is a		23.4		
ounds of turk	eys produce	đ		26832	46702	6652

Table 34. Feed Costs and Returns from Chickens, 1945

Table 34. Feed Costs	and .	keturn	s from Chicke	ns, 1945	
ing the second of the second control of the	Tana	uter bi	or serve for the	31 farms	31 farms
or all			Average	highest in	
the first of the control of the first of the second with		Your	of 157		return
Items of a program tip by	i generaliya ilgani Generaliya ilgani	farm	farms	above feed	above feed
Feed per hen, lbs.	. Cont	rature brooking reco	and the special company of the company was a special to the company of the compan		1.45.
Grain			100 .	109	96
Commercial feeds			_46	49	<u>34</u>
Total concentrates			146	158	130
Skim milk and buttermilk	An ada and an an angles	Ab. 6	5	3 . <sub>,,,,,,</sub> ,	4
70 - 2 3	min sur 'n mari na	. traq.			A single state of the
Feed cost per hen:	m marilion		фт <b>с</b> с	der on	<b>47.70</b>
Concentrates Accompany Agranged Skim milk	<b>P</b>	10	\$3.55	\$3.81	\$3.10
TOTAL FEED COST	<u> </u>	a profes	<u>.01</u> \$3.56	<u>•01</u> \$3•82	\$3.11
TOTILL PERM COOL	Ψ	Sept. 1	\$c.		ΨΟ•ΤΤ
Value of produce pershen:		196			
Eggs sold and used in house	\$	Agrical Control	\$5.19	\$6.24	\$3.89
Net increase in value of chickens	5	Mercust	1.03		•23
TOTAL VALUE PRODUCED	\$_	126.7	\$6.22	1.98 \$8.22	\$4.12
		. 5		i January Harriston (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1	
RETURNS ABOVE FEED COST PER HEN	\$_		\$2.66	\$4.40	\$1.01
1646		, in			,
RETURNS FOR \$100 OF FEED	\$_	P. ~p	\$180	\$223	\$135
Prince model now does not said found	سىمىنىيىنى		37.4	37.6	70 0
Price rec'd per doz. eggs sold (cent		<del></del>			36.8
Eggs laid per her 300 57.866	**************		TANIDA ON T	700 <b>201</b> 7 1 177	128
Ave. no. of hens on farm during the	vr.	* *5	267	<b>256</b>	v: 35 <b>264</b>
% of hens that are pullets	7		89	95	84
% doath loss of hens %.01				11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Number of chicks purchased	Annual States	te y	630	698	514
Pounds of poultry produced	man service ages i	(103)	1575	2284	942
	the speciment of the specimen	eret		#400 HE VEH (1)	

Superior management leads to high returns. The combined effect on return over feed from excelling in a number of poultry management factors is shown in Table 35. The factors included are (1) pounds of concentrates per hen including skim milk on a grain equivalent basis, (2) price received per dozen of eggs sold, (3) number of eggs laid per hen, (4) percentage of the hens that are pullets, and (5) per cent death loss of hens. Twenty-two farmers were below the average in all the factors or excelled in only one; their average return over feed was \$1.61 per head. The 5 farmers who excelled in the five factors had an average return over feed of \$4.09 per hen. The difference between the two extremes amounts to \$2.48 or \$665 for the average flock of 268 hons.

Table 35. Relation of Return Over Feed Per Hen to the Number of Management Factors in Which Farmers Excelled

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		ALCO THE CONTRACT OF ALCO OF A CONTRACT OF A	
No of factors in which farm excels		The length of the shaded lines is in proportion to the average return over feed per hen	
none or 1	23	The state of the s	\$1.61
2	43	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	2.32
3	50 36	ANANAKANAKANAKANAKANAKANAKANAKANAKANAKA	2.85
5	5	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3.20 4.09
****	1	The Color of the C	

Sold for Twelfast of the Section of

- 26 -Feed Costs and Returns From Beef Cattle, 1945 Farms Farms Average highest in lowest in Your of all returns returns Items farm farms above feed above feed Beef breeding herd: no. of farms: 14 Feeds per animal unit, lbs.: Concentrates 1476 1752 1201 Legume hay 1460 1551 1370 Other hay 887 657 426 Fodder and stover 453 518 388 Silage . A super 3411 2900 3921 Skim milk\* 12 24 3 Whole milk\* Feed cost per animal unit: Concentrates \$24.65 \$28.77 \$20.52 Roughages 22.82 23.31 22.33 Milk\* .12 .25 \*\*\* Pasture 5.16 4.32 6.00 TOTAL FEED COSTS \$52.75 \$56.65 \$48.85 Value of produce per animal unit: Dairy products \$6.16 \$10.05 \$2.26 Net increase in value of animals 64.62 77.51 51.73

\$70.78

40.

\$142

\$30.91

\$172

\$18.03

\$53.99

\$5.14

\$113

TOTAL VALUE PRODUCED

RETURNS FOR \$100 OF FEED

RETURNS ABOVE FEED COST PER ANIMAL UNIT

Number of cows and herd bulls  Number of animal units in the herd  Lbs. beef produced	15.3 28.3 11850	15.6 31.9 15408	15.0 24.7 8800
Feeder cattle: no. of farms:	:: 1979 1 1 <b>17</b>	8	8
Feeds per cwt. beef produced, lbs.:			
Corn	671	421	916
Small grain	35	20	41
Commercial feeds	<u> </u>	34	48
Legume hay	<u> 198,</u>	143	257
Other hay	<u> </u>	80	166
Fodder and stover	<u> </u>	37	25
Total concentrates		a when	
' ·	746	475	1005
Total dry roughages	350	260	<b>44</b> 8
Silage	<u>*************************************</u>	432	724
Feed cost per cwt. beef produced: Concentrates	65 6 TX	·····••	02.0.00
Roughages	\$12.44	\$7.99	\$16.66
Pasture	3.37	2.41	4.39
TOTAL FEED COSTS S	• 38	49	.32
Net increase in value of feeders	\$16.19	\$10.89	\$21.37
RETURNS ABOVE FEED COST PER CWT. BEEF	\$18.60	\$18.32	\$18,65
PROD.	9 A1		0 70
RETURNS FOR \$100 OF FEED \$	2.41 \$131	7.43	-2.72
Price read. per cwt.beef sold in 1945		\$168	\$95
Price pd. for feeder cattle bot.in 1945 \$	\$13.86 \$13.46	\$14.58	\$13.01
No. of animal units	18.4	\$14.51	\$12.08
Pounds of beef produced	9006	22.3 $11136$	15.0 6927
*Two farmers had both dairy cows and beef	cows and fed milk		y the milking

Table 37. Feed Costs and Returns from a Farm Flock of Sheep, 1945

	Average	9 farms highest in	9 farms Lowest in
Your Items farm	of 44 farms	returns above feed	returns above feed
Feeds per head, * lbs.: Concentrates	105	74	102
Legume hay	150	143	235
Other hay	78	91	74
Fodder and stover	56	35	32
Silage	116	178	136
Feed cost per head:			=====
Concentrates	\$1.77	\$1.29	\$1.76
Roughages	1.82	1.88	2.38
Pasture	1.01	1.16	96
TOTAL FEED COSTS \$	\$4.60	\$4.33	\$5.10
Value of produce per head:			
Net increase in value of sheep	\$2.69	\$3.10	\$2.39
TOTAL VALUE PRODUCED \$	6.96 \$9.65	10.72 \$13.82	3.65 \$6.04
RETURNS ABOVE FEED COST PER HEAD \$	\$5.05	\$9.49	\$ .94
RETURNS FOR \$100 OF FEED \$	\$235	\$348	\$122
Price per cwt. of lambs sold	\$14.19	\$14.34	\$14.38
Price per 1b. wool sold (cts)	44.2	44.8	43.1
Pounds of wool per sheep sheared	8.0	8.8	7.1
Number of ewes kept for lambing	27	18	20
% lamb crop**	102	112	79
% death loss**	8.5	7.1	13.2
Pounds of sheep produced	2072	1827	760
No. of head of sheep*	44.1	25.6	34.4

<sup>\*</sup> Two lambs under six months of age considered as one head.

5. 10.00

. Superior management in the sheep enterprise results in a comparatively high return over feed just as superior management in the dairy herd or poultry flock resulted in a high return over feed per cow or per hen. The effect on return over feed from excelling in 6 factors is shown in Table 38. The factors included are (1) feed cost per head, (2) price received per 100 lbs. of lambs sold, (3) price received per lb. of wool sold, (4) lbs. of wool per sheep sheared, (5) per cent lamb crop, and (6) per cent death loss. The 5 farmers who were below the average in all 6 factors or excelled in only one received a return over feed cost of \$1.18 per head, while 7 farmers who excelled in 5 or 6 factors received a return of \$7.56 per head. The difference between the two extremes is \$6.38 or \$281 for the average flock of 44 head.

Relation of Return Over Feed Per Head of Sheep to Number of Management Factors in Which Farmers Excelled

No. of factors in which farmer excels	No. of farms	Length of Shaded lines are in pro- portion to the average return over feed per head of sheep	Average return over feed
0 or 1	5	XXXXXX	\$1.18
2	11	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3.67
3	11	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	5.33
4	10	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6.43
5 or <b>6</b>	7	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	7.56

<sup>\*\*</sup>Lambs which die during month of birth are not included.

Table 39.	Total Feed	Costs	and Returns	From Your	Livestock Enterprises,	1945
T00 T00	TO 100 TO 00	~~~	CHATTLE TECHNOLITY		Tropock Trop by root	20 40

			<u>Dairy o</u> Cows	r dual purpose Other All	cattle	Beef breeding herd	Feeder cattle
Total :	returns						**************************************
Total :	feed cost	i.	***************************************	***************************************		***********	***************************************
Total:	return over	feed	AT 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	and the second s	100 100 100 100 100 100 100 100 100 100	<del>garding separately on the 198</del>	Annia administra della compania
			Hogs	Sheep Farm Flock Feed	lers	Turkeys	Chickens
Total :	feed cost				<del></del> 88 <b>- 3</b> 5 -	and the second s	
Total :	returns				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Total:	return over	feed	***	<u> </u>			

The total "return over feed costs" for each class of livestock is shown in Table 39. 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 9. The return over feed is not a <u>net</u> 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.

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.

NA KATONIAN NO AMBROMISTA WELLING GARAGE

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that since had been

Table 40. Summary of Farm Earnings by Counties Dodge Goodhue Olmsted. Rice Waseca & Free-& ™abasha 8-R. LeSueur Mower born & Winona Dakota Nicollet Scott Steele FARM EXPENSES \$ 567 \$645 \$ 158 \$ 254 \$ 275 \$ 331 \$ 233 Cattle bought Hogs bought Sheep bought Poultry bought Other livestock expense Crop expense Feed Custom work hired Power machine and equipment 1827. Buildings Hired labor Taxes, insurance and misc. \$7869 \$6308 (1) Total purchases \$5339 \$6668 \$7096 \$6917 \$6918 (2) Decrease in capital (3) Board to hired labor (4) Unpaid family labor (5) Int. on farm capital (6) Total expenses \$7630 \$8558 \$8784 \$8804 \$11005 \$9416 \$8373 \$9779 7,377307 FARM RECEIPTS \$ 1483 \$ 1754 \$ 1934 \$ 1607 \$ 1243 \$ 849 \$ 928 \$ 1729 Cattle sales Dairy products Hogs Sheep and wool. Poultry and eggs 5,101 Crops AAA payment Income from work off farm Misc. cash receipts \$10849 \$11645 (7) Total farm sales. \$11156 \$10819 \$10856 \$13005 \$12007 \$10718 (8) Increase in capital (9) Family living from farm (10) Total receipts \$11494 \$12160 \$13599 \$11736 \$12609 \$1,2483 \$11484 \$12371 (6) Total expenses (11) Oper. labor earnings 

Table 41. M		us information	tion - Avera Goodhue	ged by Count	1es, 1945 Olmsted,	Rice		Waseca
and the second s	Dodge	70	&		Wabasha	&		waseca_
	& Mower	Free- born	∞ Dako ta	Nicollet	& Winona	Scott	Steele	LeSueur
FARM INVENTORIES (Beginning of year)	MOwer	DOTH	Dako ta	NIGOTIE	& winona	50000	Succine	100000
Productive livestock	\$5301	\$3820	\$3440	\$44.73	\$4260	\$3183	\$4939	\$3222
	294	2 <b>3</b> 7	281	180	274	351	279	301
	4141	3743	3777	<b>3</b> 887	3344	2715	4330	3417
Crop, seed and feed	3394	3486	23077	3595	2994	2644	3775	3422
Mach. and equipment	6 <b>9</b> 73	7371	7599	7930	6247	6078	11286	6711
Buildings Land	9023	8969	7874	10136	8314	_7959	11611	10635
	\$29126	\$27626	\$26048	\$30201	\$25433	\$22930	\$36220	\$27708
Total farm capital	Ψ29120	Ψ2   U2U	Ψ <b>200-45</b> 3 \$2377	<b>₩</b>	925 (AS	<b>722</b> / M	131	1.20
MEAS OF FARM ORG AND MANAGEMENT EFFIC.	88.	89.	103	110	115	<b>1</b> n6	90	.96
Crop yields - % of ave.	44.0	47.2	43.4	48.8	47.9	48.9	149.8	48.7
% high return crops	100	100	106	:: 85:	101	111	93	-98
Index ret. from livestock	23.2	24.3	21.2	<b>55</b> ∗5	31.2	21.6	20.5	20.1
A.U. livestock per 100 A.	ے، دے 682	2661	613	727	.664	575	646	620
Work units		368	304	383	348	276	32	340
Work units per worker	359	53•07	\$3.26	\$2•78	\$3.23	\$3.46	\$3.77	\$3.54
Exp. per work unit	\$3.39	<b>₩</b> 9•0  	<b>ゆう・20</b> 対象がよ	Ψ <b>2• (0</b>	Ψ7• <b>૯</b> ) 31. ±3	4	* <b>/- / /</b>	S-ANT
DISTRIBUTION OF ACRES IN FARM	60-1	50.4	61.6	62.5	45.8	40.9	60.4	54.9 8
Small grain		-	45.8	70•2	47.2	ųų.1	69.4	60.4
Cultivated crops	60.7	70-2		22.8	31.0	24.5	36.0	18.7
Tillable hay land	28.5	27.0	35.5	15.9	29.4	17.2	22.5	10.7
Tillable pasture	27.2	19.9	26.7:	241.8	201.5	209.7	256.9	236.1
Total acres in farm	228-6	226-0	211.1	73.6	76.3	64.4	75.9	65.6
% land tillable	78.6	75.0	80.2		The second second	U4	12.3	115
CROP YIELDS PER ACRE	\	No. 2	. 933 	61. 7°	્રાફકો <b>52</b> ∡8	46.3	42.4	48.6
Oats, bu.	42.6	J10.15	51.7	61.7	38.0	<del>3</del> 79	29.1	32.5
Corn, grain, bu. wy distinguish	30.4	31.1	37.I	33.0		6.2	6.6	5 <b>.</b> 4
Corn silage, tons	4.9	6.1	7.6	7.1 3.4	9 <b>.</b> 0.	2.8	2.4	2.3
Alfalfa hay, tons	2.3	2.1	2.1	<b>3.6 ⁴</b>	2.8	3 <b>2.0</b>		; <b>∠ •</b> 9
AMOUNT OF LIVESTOCK	\$ \$14.12	N.C. C	i en		49.0		47.0	40.0
Total animal units	47.1	46.6	40.4	45.0	64.0	37.6	62.4	55.7
% dairy and du. pur. cattle	64.6	59 • 7	67.8	58.8	•	75 <b>.1</b>		22≈4 - <b>3</b> +2
% in beef breeding herd	3.5	3.6	4.0	5.0	7.2	2.9	6.7	<b>3.</b> 6
% feeder cattle	2.6	2.2	.4	4.6	3.7	7. A	6.3	
% hogs	18.3	20.6	13.2	25•7	14.H	13-0	21.8	20.8 4.3
% sheep	4.9	7.1	6.2	•3	3.3	.8	1.5	4.3 3.4
% turkeys	4		1.0		3.0	2.4		•
% hens	5•7	6.8	7.4	5.6	- <b>14.4</b>	5.8	8.0	9.0
					11. 14.	Server of		

-	- 		ble 42.	Summary	<b>;</b>		* 7 5				
	Average	Average	Average			127	\_	<i>Y</i>	- 1		)
	1928-29	1930-32	1933-37	1938	1939	1940	1941	1942	1943	1944	1945
Number of farms	14g	157	139	122	<b>1</b> 5 <sup>1</sup> 4	148	107	- <sup>2</sup> 201	72-77-7	3 (3	170
Acres in farm	170	194	207	241	225	225	197		177	161	170
Crop acres in farm	116	134	140	164	147	148	227 147	230	224 148	229 145	224 145
Farm inventory	\$24574	\$21767	\$18440	\$22704	\$20480	\$24044	\$24117	150 \$26088	\$27278	\$28034	\$2763 <sup>1</sup> 4
Farm Earnings (see page 33)	ΨΕ, <u></u>	ΨΕΣ[Ο]	Ψ10,40	φεείυ-	ψ <u></u> 20700	Ψ <u></u> 2-10-1-1	<u>Φς+111</u>	<b>₽</b> ∠0∪00	\$51510	\$20U5#	<del>φ</del> 21,034
Larnings (See page )))							, .			F74 (1) 4	
FARM EXPENSES		3*.	S*&	professional and the second	1317				.55	**	3.
Cattle	\$ 141	<b>\$</b> 79	s 145	\$ 217	\$ 299	\$ 607	\$ 421	\$ 444	\$ 374	\$ 357	\$ 372
Hogs bought	85	69	57	65	62	60	121	203	205	182	168
Sheep bought	<sup>g</sup> 5 6	ĺŎ	61	110	98	82	45	53	62	80	108
Poultry bought	37	39	59	100	95	100	118	132	167	19 <sup>1</sup> 4	210
Horses bought	36	32	44	36	28	28	32	34	34	30	17
Misc. livestock expense	66		66	130	110	78	101	123	161	155	165
Misc. crop expenses	186	177	173	278	235	182	202	28 <sup>1</sup> 4	36 <sup>4</sup>	¥72	+463
Feed bought	440	324	438	603	475	600	820	1416	1799	1730	1764
Power mach. (new & exp.)	399	340	456	578	530	604	821	696	647	818	855
Custom work hired	_			710		123	115	164	185	240	273
Mach. and equip. (new)	190	132	205	330	261	296	470	464	348	384	5 <b>1</b> 5
Mach. and equip. (upkeep)	72	5 <b>7</b>	59	78	65	68	90	166	188	208	
Bldgs., fencing (new)	130	98	161	282	250	352	313	245	361	<u> </u>	23 <b>1</b> 249
Bldgs., fencing (upkeep)	52	29	56	114	69	84	164	226	228	236	200
Hired labor	272	252	318	519	340	404	454	571	693	805	663
Taxes and insurance	298	338	270	322	285	276	280	313	312	332	338
General farm	30	31	30	40	36	42	43	.46	63	67	72
Total farm purchases	\$2,440	\$2,079	\$2,598	\$3,802	\$3,238	\$3,986	\$4,610	\$5,580	\$6,191	\$6,672	\$6,663
Decrease in farm capital		755		22	Ψ <b>, Ε</b> , Ο	Ψ, σου	Ψ1,020	صادر ورب	ΨΟ, Έ,	511	238
Board to hired labor	102	93	115	174	128	141	145	177	171	156	108
Interest on farm capital	1,228	1,089	922	1,135	1,024	1,202	1,206	1,304	1,364	1,402	1,382
Unpaid family labor	358	292	232	231	236	269	278	304	386	395	441
	<i></i>	-5-		ــرــ	<i>ار</i> ۔۔		-10	۳۰ر	000	" JJJ	i tişak
Total farm expenses	\$4,128	\$4,308	\$3,867	\$5,364	\$4,626	\$5,598	\$6,239	\$7,365	\$8,112	\$9,136	\$8,832
	-	eraja			, , ,			,,,,,,,,	, -,	,,,-,,	

Mahla 42 Summary by Vears (Continued)

			42. Sun	mary by	Years (	Continue	1)				
	Average	Average	Average		· · · · · · · · · · · · · · · · · · ·						<del></del> .
	1928-29	1930-32	<u> 1933–37</u>	1938	1939	1940	1941	1942	1943	19,41;	1945
FARM RECEIPTS											
Cattle	\$ 753	\$ 467	\$ 534	\$ 838	\$ 813	\$1,176	\$1,215	\$1,514	\$1,280	\$1,492	\$1,439
Dairy products	1,662	1,209	1,377	1,509	1,170	1,454	1,720	2,078	2,475	2,961	3,403
Hogs	1,164	950	862	1,248	926	984	1,778	3,104	3,551	3,168	2,573
Sheep and wool	52	39	151	217	216	162	173	177.	203	214	230
Poultry	140	139	290	520	344	339	583	722	ି     688	814	757
Eggs periods and the contract of	275	232	340	378	301	405	523	765	1,040	1,022	1,265
Horses	30	30	45 <sub>0</sub>	~ 5 <b>1</b>	- 45 <sub>5</sub>	; 4g	31	34		28	23
Company	37.	39	126		142	128	. 88	líì		143	175
Small grain	241	140	3 <sup>1</sup> 47	51114	274	235	262	312		261	239
Other crops	163	170	159	185	157	- 250	- 287	457	- 520	762	776
Income labor off farm	105	112	148-	219	136		146		146	145	
Agric. Adj. payments	Ò	E-O	192	223	336	324	331	343	190	81	14g
Misc.	134	151	185	314	231	295°	342	269	214	290	300
(7) Total farm sales	\$4,753	\$3,678	\$4,756	\$6,136	\$5,091	\$5,948		\$10,005		\$11,381	\$11,426
(8) Increase in farm cap.	617	49 <b>- 1</b>	573		891	1,017	1.432		1,167		
(9) Fam. living from farm	325	248	254.	252		458	505	576	643	646	639
10) Total farm receipts	5 <b>,</b> 695	3,926	5,583	6,388		7,423		12,079		12,027	
(6) Total farm expenses	4,128	4,308	3,867	5,364	4,626	5,598				9,136	8,832
ll) Oper. lab. earnings	1,567	<b>–</b> 382	1,716	1,024	1,616	1,825		4,714		2,891	3,233
					me y av	- <b>-</b>					JJJ
MISCELLANEOUS ITEMS	<del> </del>						<del>*</del>				
Yield per A. corn (bu.)	44.8	143.5	42.4	51.7	59.0	56.3	57.6	61.2	51.8	51.6	34.0
Yield per A. barley (bu.)	36.0	30.1	24.4	28.2	33.5	41.0	29.0		16.2	9.8	32.7
Yield per A. oats (bu.)	46.0	48.1	37•7	35.9		58.2	31.5	49.3	42.7	39.1	48.3
Yield per A.alfalfa (tons)	3.0	2.6	2.2	2.1	2.2	2.3		2.7		2.1	2.5
	7.0	.13			La San Cara	ر• ـ	: a. ← <b>a • U</b>	<b>←•</b> [	~;. <b>⊆●</b> ⊤ ::/:	C-0-1	<b>روست</b> ده.
% high return crops	31.9	34.1	39•9	41.3	40.8	41.4	41.0	43.5	41.1	49.3	47.1
A.U. livestock per 100 A.	19.2	20.7	19.9	19.7	18.5	23.4	24.6	25.2	25.4	23.8	23.4
No. of work units	599	729	763	866	759	658	664	690	671	666	645
Work units per worker	310	339	333	360	349	292	301	316	305	303	323
Expenses per work unit	\$1.76	\$1.34	\$1.26	\$1.44	\$1.41	\$1.56	\$1.87	\$2.23	\$2.79	\$3 <b>.21</b>	\$3.32
No. of work horses	5.4	5.4	5.0	4.4	4.1	91.50 - 6 4.1	4.0				φ <b>ງ∙</b> ∌∈ 3•2
No. of colts	.8		1.0	1.3	1.1	1.0	•	3-9	. 5.€0	3•5	5•£
No. of milk cows	14.2	17.1	18.2	18.6	17.2		•9	•9	•7	•7	_
NO OF MILE COWS	#.3.€ €	T 1 • T	100E	70.0	<b>≟[•</b> ⊂	17.1	17.4	18.1	17.5	17.9	17.3
Here is a contract of the cont				E 14		+ #/1. <sup>1</sup>	***	ed to set	** * *	•	
				يعه محييج من دريس ماني	esse popular de desar de la la	العداد المستقل على عام	ه پخه د خا ساده خپل ه	والمتعاشف والمتيسيس	and the second second	and the second s	

Table 42. Summary by Years (Continued)

	·		760 000	mary by	rears (	onvinue	1)					
	Average	Average	Average	,						63		
Misc. items (Cont.)	1928-29		1933-37	1938	1939	1940	1941	1942	1943	1944	1945	
No. of litters of pigs	- 9-3	11.7	8.8	11.1	11.5	12.1	13.8	15.7	18.1	12:1	12.3	
Lbs. of hogs produced	12,706	16,219	12,467	15,948	16,014	17,671	20,330	24,383	25,149	20,398	18,669	
No. of head of sheep	7.0	11.5	17.5	23.3	16.2	18.6	16.1	16.2	15.2	12.7	11.8	
No. of hens	136	156	185	187	177	197	197	219	246	250	247	
Lbs. B.F. per dairy cow	5/1/1	241	236	240	245	260	261	253	247	237	254	
Lbs. B.F. per dual pur. cow		<del></del>	in en	`, <b>-</b>	-	181	203	189	182	169	173	
No. of pigs per litter		6.2	6.2	6.7	6.3	6.3	6.3.	6.3	6.0	6.1	6.3	
No. of eggs laid per hen	95	112	126	135	126	131	142	146	147	157	168	
PRICE RECEIVED PER:							å Store				in the second se	
Lb. B.F. sold as cream	\$ .52	\$ .30	\$ .32	\$ .31	\$ .28	\$ .33	\$ .39	\$ .45	\$55	\$ .61	\$ .65	
Cwt. hogs sold	8.92	5.82	6.98	7.69	6.17	5.27	9.20	13.24	13.88	13.08	14.24	
Cwt. feeder cattle sold			-		-	8.67	9.72	11.69	13.84	13.84	13.86	
Lb. wool sold	•36	•13	•25	.18	•26	•31	.40	.41	.42	.43	111	
Doz. eggs sold	-28	.17	.18	.18	.15	. 17.	.22	.29		•32	•37	
Lb. turkey sold			•20	•20	•17	.16	.21		•33	•34	•33	
RETURN ABOVE FEED COST PER:		a de la compansión de l		e gratice	en e		*. · · · · · · · · · · · · · · · · · · ·					
Dairy cow	\$76.50	\$28.16	\$42.62	\$47.89	\$45.05	\$58.05	\$71.65	\$84.86	\$93.27	\$101.31	\$125.85	Ç
Dual purpose cow	i	ing the second s	ca	_		31.69	52.01	55.88		60.36	74.15	Ÿ
Cwt. hogs prod.	1.50	•30	2.22	3.47	1.82	1.50	5.41	7.09	2.90	2.77	4.26	
Head of sheep	5.50	07	2.78	1.28	3.18	3• <sup>4</sup> 3	5.48	5.77		3.98	5.05	
Hen	1.82	1.13	1.01	1.12	•97	•92	1.66	2.16	2.55	1.82	2.66	
Cwt. turkeys prod.	4 - 4 Bay	-	10.59	12.38	8.27	6.30	10.72	16.56	14.89	19.24	14.30	
FEED COST PER:	• •	t, t,		_	· ·	1	• •-					
Dairy cow	\$69.50	\$52.27	\$45.02	\$40.55	\$38.67	\$43.22	\$49.10	\$58.29	\$77.61	\$87.44	\$95.32	
Dual purpose cow	1		ent.			36.29		50.39	62,90	71.32	69.93	
Cwt. hogs produced	7.66	4.50	5.14	3.86	3.51	4.11	5.17	7.16	10.21	. 10.93	9.97	
Head of sheep	2.82	2,26	2.55	2,37	2.33	2.61	2,57	3.01	4.34		4.60	
Hen	1.62	1.09	1.55	1.30	1.23	1.36	1.80	2.27	3.03	3.42	3.56	
Cwt. turkeys prod.		-	8.28	7.75	7.09	9.06	9.33	11.90	17.66	16.35	15.28	
Horse	55.09	36.13	38.42	29.94	27.61	31.33	35.49	40.25	50.93	49,60	43.79	•
PRICE OF FEED:	•							- <del></del> -	, J-4 <b>3</b> 5	<b>2.</b> • • • • • • • • • • • • • • • • • • •		
Shelled corn (per bu.)	\$ .70	\$ .49	\$ •59	\$ .43	\$ .36	\$ .46	\$ •52	\$ .69	\$ .91	\$ •98	\$ .88	
Barley (per bu.)	•60	•36	•56	•39	•30	.31	•38		•79	•92	. 94	
Oats (per bu.)	• <sub>1</sub> 48	• 25	•30	.22	•23	•26	•32	•57 •44	.62	.68	.64	
Bran (per cwt.)	1.70	1.00	1.18	1.05	1.10	1.20	1.45	1.95	2.10	2.20	2.20	
Oilmeal (per cwt.)	3.00	2.00	1.97	2.30	2.15	1.75	2.00	2.30	2.55	2.82	2.82	
Alfalfa (per ton)	14.75	12.00	10.30	7.50	7.00	7.50	g.00	ق <b>.00</b>	11.00	15.00	15.00	
	<del> </del>							0.00	***	±7,000		ŕ

Footnote for pages 30, 31 and 32.

The values of farm real estate in 1931 were reduced approximately 25 per cent from 1928-1930 values. The values in 1932 were reduced about 29 per cent from the 1931 values. Only land was affected by the reduction in 1931, but in 1932 buildings and improvements were cut 25 per cent. In 1936 the values of land were adjusted upward 10 per cent. The value of dairy cows was also adjusted downward in 1932 and upward in 1936. These capital losses were not included in the inventory decreases in the financial statement but the changes in valuation resulted in variations in the interest charge. No changes in the basis of inventory valuations were made in the years 1933 to 1935 and 1937 to 1945.

The charges for unpaid family labor and board for hired labor were also changed from year to year. The rates used for the period 1928 to 1945 were as follows:

Year	 Unpa fam:			d for d labor	- Al-	Year	Un <u>fa</u>	paid:	laboı	11.1 (104) 1 (107) 1 (103) 2	Board hired		r
1928 1929 1930; 1931 1932 1933 1934 1935 1936		\$60 60 40 30 40 40	A Part Recognition of the Control of	20 20 20 15 10 10 10	4	1938 1939 1940 1941 1942 1943 1944 1945	to a small sea	\$45	mark fra Marka		\$1 11 20 20 20 20 20 20 20 20 20 20 20 20 20	8 8 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
1937		45		18 18	10 mg = 10 mg	00/02/ 20 8/4 * •			[ # (3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		The state of the s	03	:

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

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

These adjustments should be considered in comparing 1945 results with previous years.