UNIVERSITY OF MINNESOTA Department of Agriculture

and

UNITED STATES DEPARTMENT OF AGRICULTURE

Bureau of Agricultural Economics

and the

County Extension Services of
Brown, Cottonwood, Faribault, Jackson, Lincoln, Lyon,
Martin, Murray, Nobles, Redwood and Watonwan Counties
and the
Southwest Minnesota Farm Management Association
Cooperating

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Annual Report
of the
Southwestern Minnesota
Farm Management Service
1940

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Cooperator:

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First Annual Report of the Southwest Minnesota Farm Management Service of Brown, Cottonwood, Faribault, Jackson, Lincoln, Lyon, Martin, Murray, Nobles, Redwood, and Watonwan Counties

for the Year 1940

## Prepared by T. R. Nodland, G. A. Pond, and G. E. Toben :

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### 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 several southwestern Minnesota counties are cooperating with the Southwest Minnesota Farm Management Association in maintaining a farm management service. The Association was organized in the fall of 1939 by farmers in that part of the state for the purpose of studying the farm business through farm records. Each farmer pays an annual fee which covers a part of the cost. The balance of the cost is defrayed by the University of Minnesota.

Note: Assistance in the preparation of this material was furnished by workers supplied on N.Y.A. Student Work Project No. 0061-100. Sponsor: University of Minnesota.

The analysis of the records and the preparation of the reports is handled by the Division of Agricultural Economics under the Direction of G. A. Pond, T. R. Nodland, and G. E. Toben. Field organization is handled by the Extension Division with S. B. Cleland and J. B. McNulty in charge of this work. Ross Huntsinger has been fieldman since the organization of the project. At the end of the year A. W. Anderson and Max Hinds of the Division of Agricultural Economics aided in closing the records. County Agricultural extension agents who cooperate in this project include Paul Kunkel, E. C. Rogers, C. G. Gaylord, L. S. Orfield, T. G. Fuller, F. J. Meade, C. G. Powell, A. B. Hagen, C. E. Stower, J. I. Swedberg, and J. R. Gute.

The officers for the Southwest Farm Management Association for 1940 were:

President, W. E. Jones, Marshall, Lyon County Vice President, Porter Olstad, Hanska, Brown County Secretary-Treasurer, E. F. Oberg, Hadley, Murray County

The board of directors include these officers and also the following: Earl Ewen, Cottonwood County; Ed Stevermer, Faribault County; George Rentschler, Jackson County; Joe Boulton, Lincoln County; Paul H. Peters, Martin County; Gordon Fresk, Murray County; Bedford Ludlow, Nobles County; Thomas Hicks, Redwood County; and Duane Drake, Watonwan County.

The following tabulation shows by counties the numbers of members who completed records in 1940:

| Brown      | 14 | Lincoln | 9  | Nobles   | 21  |
|------------|----|---------|----|----------|-----|
| Cottonwood | 15 | Lyon    | 12 | Redwood  | 21  |
| Faribault  | 22 | Martin  | 16 | Watonwan | 11  |
| Jackson    | 20 | Murray  | 14 | Total    | 175 |

The tables on page 4 and succeeding pages show 165 farms. Ten farms have been omitted from all of the averages in the tables because they differed so widely in type from the others or were not sufficiently complete for a full analysis.

#### TYPE OF FARMING\*

The farms in this area have a wide diversity of enterprises. All classes of livestock are important although livestock kept for meat production tends to predominate. The sale of crops constitutes an important source of income. The principal feed crops grown are corn, pats, barley, and hay. In addition wheat, sweet corn, canning peas, and flax are grown to a limited extent as cash crops.

### TOPOGRAPHY SOILS AND WEATHER

The soils range from dark brown to heavy black loam. The major part of the area is undulating to gently rolling land interspersed with almost level tracts. In the western part of the area the surface ranges from undulating to sharply rolling. Nearly all the land is tillable and well drained.

The year 1940 as a whole was normal in regard to temperatures. Unfavorable weather conditions in the early spring delayed the seeding of small grain; however the growing conditions in May and June were favorable. Corn was injured to some extent by hot, dry weather in the latter part of July. Weather conditions in September and October were very favorable for late crops and pasture. The first killing frost occurred about October 15.

<sup>\*</sup> For a more complete description of the area see Engene, S. A., and Pond, G. A., "Agricultural Production and Types of Farming in Minnesota", Minn. Bul. 347, May, 1940.

|   |             | Table 1. |                       | y and Annu   | al Preci | pitation            |        |           |
|---|-------------|----------|-----------------------|--------------|----------|---------------------|--------|-----------|
| ,                                       | Worthi      | ngton    |                       | mont         |          | Ulm                 |        | d Falls   |
|   |             | Depart-  |                       | - Depart-    | Precipi  | - Depart-           |        | - Depart- |
| ere | tation      | ure from | tation                | ure from     | tation   | ure from            | tation | ure from  |
|   | ······      | normal   |                       | normal       |          | normal              |        | normal    |
|   | Inches      | Inches   | Inches                | Inches       | Inches   | Inches              | Inches | Inches    |
| January                                 | Trace       | -0.63    | 0.23                  | -0.57        | 0.72     | -0.41               | 0.13   | -0.60     |
| February                                | .82         | +0.05    | 0.70                  | -0.27        | 1.56     | +0.50               | 0.80   | -0.07     |
| March                                   | 1.96        | +0.70    | 1.35                  | -0.06        | 3.50     | +1.89               | 1.93   | +0.68     |
| April                                   | 2.75        | +0.67    | 1.57                  | -0.66        | 1.90     | -0.29               | 1.63   | -0.30     |
| $M_{ay}$                                | 1.20        | -2.74    | 2.12                  | -1.93        | 1.66     | 1.91                | 2.48   | -0.38     |
| June                                    | 5.67        | +1.38    | 4.84                  | +0.50        | 7.32     | · +2.67             | 4.75   | +0.26     |
| July                                    | . 34        | -3.05    | 0.60                  | -2.96        | 0.52     | -3.16               | 0.91   | -2.13     |
| August                                  | 2.77        | -0.99    | 8.80                  | +5.06        | 10.07    | +6.52               | 7.18   | +4.20     |
| September                               | .70         | -2.84    | 1.41                  | -2.22        | 1.05     | -2.54               | 0.49   | -2.37     |
| $0_{	t ctober}$                         | 2.81        | +1.12    | 3 <b>.3</b> 8         | +1.53        | 4.63     | +2.47               | 2.77   | +1.10     |
| November                                | 2.72        | +1.55    | . 2.56                | +1.05        | 2.45     | +1.1 <sup>1</sup> 4 | 1.80   | +0.59     |
| December                                | <u>76</u>   | +0.15    | 1.16                  | <u>+0.26</u> | 1.52     | +0.62               | 1.08   | 0.00      |
| 1940 Total                              | 22,50       | -4.63    | 28.72                 | -0.27        | 36.90    | +7.50               | 25.95  | +0.98     |
| 1939 Total                              | 24.27       | -2.86    | 21.92                 | -7.07        | 23.04    | -6.36               | 18.52  | -6.45     |
| 1938 Total                              | 40.50       | +13.37   | 39.99                 | +11.00       | 29.98    | +0.58               | 26,84  | +1.87     |
| Normal<br>Annual                        | , * · · · · |          | r <sup>i</sup> a see. |              |          |                     |        |           |
| Prec.                                   | 27.13       |          | 28.99                 |              | 29.40    |                     | 24.97  |           |
| # <u>Th</u> 1.3 1 3                     | <u> </u>    |          |                       | ar a sa a'   |          | ·                   |        |           |

### 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 fed 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, Ross Huntsinger, who visited each farm in the eleven counties several times during the year. In addition to securing the supplementary information, the field agent's duties included numerous services, viz., 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.

At the end of the year, the books were taken to the central office at University Farm, where they were summarized. For the purpose of comparison, the earnings as shown in this report are computed as if each farm were owned by its operator; however, each tenant is supplied a statement of his earnings on the basis of the rental system under which he is operating.

| Summary of Farm Inventories (  | Beginning of | Year), 1940 |            |
|--|--------------|-------------|------------|
| Your   |              | 33 most     | 33 least   |
| farm   |              | profitable  | profitable |
| Items  |              | farms       | farms      |
| Size of farm (acres) Size of business (work units)*  | 279          | 402         | 236        |
|  | 569          | 774         | 457        |
| Horses Productive livestock (total) Dairy and dual purpose cows Other dairy & dual purpose cattle Beef cattle (including feeders) Hogs Sheep (including feeders) Poultry (including turkeys) Crop, seed, and feed Mach. & equipment (total) Power mach. (f. share) Crop & gen. mach. (f. share) Livestock equip. & supplies Buildings, fences, etc. Land | \$ 377       | \$ 408      | \$ 430     |
|  | 3,497        | 5,728       | 2,674      |
|  | 574          | 588         | 480        |
|  | 374          | 426         | 219        |
|  | 1,530        | 3,238       | 990        |
|  | 550          | 758         | 575        |
|  | 327          | 617         | 245        |
|  | 142          | 101         | 165        |
|  | 3,616        | 5,613       | 2,757      |
|  | 2,658        | 3,659       | 2,257      |
|  | 998          | 1,391       | 774        |
|  | 1,283        | 1,832       | 1,064      |
|  | 377          | 436         | 419        |
|  | 6,974        | 8,734       | 6,829      |
|  | 15,011       | 21,636      | 12,809     |
| Total farm capital   | 32,133       | 45,778      | 27,756     |

# \* Explanation of term: "Work units."

The total "work units" for any one farm is a measure of size of that farm business. It is the accomplishment of a farm worker in a ten-hour day working on crops and productive livestock at average efficiency.

The number of work units for each animal and each acre of crops used in this report are listed as follows:

| Item               | Per      | No. of work units | Item               | Per    | No. of work units |
|--------------------|----------|-------------------|--------------------|--------|-------------------|
|                    |          |                   | . 43               |        |                   |
| Dairy and dual     | COW      | 13.5              | Small grain        | acre   | . 7               |
| purpose cows       |          | **                | Soybeans for grain | n 11 - | .9                |
| Other dairy & dual | )        | 4.0               | Sugar beets        | 11     | 3.0               |
| purpose cattle     | animal   |                   | Sweet corn         | H .    | 2,5               |
| Beef breeding herd | unit*    | 4.0               | Corn, husked       | 11     | 1.3               |
| Sheep - farm flock |          | 1.6               | Corn, hogged       | i n    | .8                |
| Hens               | 100 hens | 26.0              | Corn, shredded     | 11 -   | 2.5               |
| Feeder cattle      | )        | . 35              | Corn silage        | 11     | 1.9               |
| Feeder sheep       | 100 lbs. | 4                 | Corn fodder        | #1     | 1.3               |
| Hogs               | produced | -                 | Alfalfa hay        | . 11   | 1.0               |
| Turkeys            | )        | 7                 | Soybean hay        | 111    | 1.4               |
| Canning peas       | acre     | 2.0               | Other hay crops    | : #1   | .6                |

<sup>\*</sup>Animal unit represents one cow, one bull, one feeder steer or heifer, two head of other cattle, seven head of sheep, fourteen lambs, five hogs, ten pigs, 100 hens, or 1,400 lbs. turkeys produced.

| tems  |   |   | Your<br>farm                                     | nd of Year<br>Average<br>of 165<br>farms  | 33 most<br>profitable<br>farms  | 33 least<br>profitable<br>farms   |
|---|---|---|--|---|---|---|
| Iorses  |   | \$                                      |  | \$ 362  | \$ 392  | \$ 389  |
| Productive livestock (total   | 1)                                      | •                                       | <del></del>                                      | 3,917   | 6,986   | 2,847   |
| Dairy & dual purpose cow  |   |   |  | 599   | 642   | 492   |
| Other dairy & dual purpos   |   | ******                                  |  | 377   | 495   | 259   |
| Beef cattle   |   |   | <del></del>                                      | 1,716   | 3,933   | 1,039   |
| Hogs  |   | *******                                 |  | 636   | 936   | . 571   |
| Sheep   | •                                       |   |  | 1442  | 859   | 319   |
| Poultry   | *                                       |   |  | 147   | 121   | . 167   |
| Crop, seeds, and feed   |   | ********                                |  | 4,075   | 6,653   | 2,860   |
| Mach. & equipment (total)   |   | *************************************** | ······································           | 2,859   | 4,031   | 2,421   |
| Power machinery (f. share   | ۵)                                      |   | <del></del>                                      | 1,093   | 1,489   |   |
| Crop and gen. machinery   | ;                                       | ******                                  |  | 1,372   |   |   |
| Livestock equipment & su  | mmlies                                  | -                                       |  | 394   |   | 407   |
| Buildings, fences, etc.   | DDETOD                                  |   | <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del> | 7,090   | 9,022   | 6,847   |
| Land  | 5                                       |   |  | 15,011  | 21,636  | 12,809  |
|   |   | in a second                             | ·  |   |   |   |
| Total farm capital  |   |   |  | 33,314  | 48,720  | 28,173  |
|   | e <sub>a</sub> in a                     |   | *  |   |   |   |
|   |   |   |  |   |   |   |
| Sam   | mary of A                               | mannt a                                 | e Litera   | ato alz   |   | •   |
| . Duit  | msty or r                               |   | Your   | Average   | 33 most   | 33 least  |
|   | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |   | farm   | of 165  | profitable  | profitabl   |
| Items   | 1, 1                                    | ***                                     |  | farms   | farms   | farms   |
|   |   | *************************************** | ··· <del> desiratory di</del>                    |   |   |   |
| No. of horses   |   |   |  | 4.1   | 4.5   | 4.5   |
| No. of colts  |   | -                                       |  | 1.0   | .9  | 1.0   |
| No. of dairy & dual purpos  | e cows                                  |   |  | g.6   | 8.3   | 8.0   |
| Head of other dairy & dual  |   | · · · · · · · · · · · · · · · · · · ·   |  |   |   |   |
|   | purpose                                 | cattle                                  |  | 9.0   | 8.1   | 7.5   |
|   |   |   | <del></del>                                      | 9.0   | 8.1<br>14.5   | 7.5<br>6.9  |
| Head of cattle kept in bee  | f breedin                               |   |  | 9.0   | 14.5  | 6.9   |
|   | f breedin                               |   | ,  | 9.0   |   |   |
| Head of cattle kept in bee<br>Pounds of beef cattle prod  | f breedin                               |   |  | 9.0<br>8,678  | 14.5<br>21,539  | 6.9<br>4,031  |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs   | f breedin                               |   |  | 9.0<br>8,678<br>13.6  | 14.5<br>21,539<br>17.9  | 6.9<br>4,031  |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs<br>Pounds of hogs produced  | f breedir                               |   |  | 9.0<br>8,678<br>13.6<br>21,335  | 14.5<br>21,539<br>17.9<br>32,231  | 6.9<br>4,031<br>13.3<br>18,101  |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs<br>Pounds of hogs produced<br>Head of sheep (2 lambs = 1  | f breedir                               |   |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5  | 14.5<br>21,539<br>17.9<br>32,231<br>61.4  | 6.9<br>4,031<br>13.3<br>18,101<br>35.6  |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs<br>Pounds of hogs produced  | f breedir                               |   |  | 9.0<br>8,678<br>13.6<br>21,335  | 14.5<br>21,539<br>17.9<br>32,231  | 6.9<br>4,031<br>13.3<br>18,101  |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs<br>Pounds of hogs produced<br>Head of sheep (2 lambs = 1  | f breedinuced. head)                    | ng herd                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5  | 14.5<br>21,539<br>17.9<br>32,231<br>61.4  | 6.9<br>4,031<br>13.3<br>18,101<br>35.6  |
| Head of cattle kept in beer Pounds of beef cattle production Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens Total no. of prod. livesto  | f breedinuced. head)                    | ng herd                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161   | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145   |
| Head of cattle kept in bee Pounds of beef cattle production Litters of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens Total no. of prod. livesto % of total that are:  | f breedinuced.  head)                   | ng herd                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161   | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145   |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs<br>Pounds of hogs produced<br>Head of sheep (2 lambs = 1<br>No. of hens<br>Total no. of prod. livesto<br>% of total that are:<br>Dairy and dual purpose of  | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3   | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3   |
| Head of cattle kept in bee<br>Pounds of beef cattle prod<br>Litters of pigs<br>Pounds of hogs produced<br>Head of sheep (2 lambs = 1<br>No. of hens<br>Total no. of prod. livesto<br>% of total that are:<br>Dairy and dual purpose of<br>Other dairy and dual pur  | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3   | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3   |
| Head of cattle kept in bee Pounds of beef cattle products of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens Total no. of prod. livesto % of total that are:    Dairy and dual purpose of the dairy and dual pur In beef breeding herd  | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3   | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3   |
| Head of cattle kept in beer Pounds of beef cattle products of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens  Total no. of prod. livesto of total that are: Dairy and dual purpose of the dairy and dual pur In beef breeding herd Feeder cattle   | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3<br>21.7<br>12.9<br>11.3<br>18.1                       | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3   |
| Head of cattle kept in bee Pounds of beef cattle products of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens  Total no. of prod. livesto  % of total that are:    Dairy and dual purpose of the dairy and dual pur In beef breeding herd    Feeder cattle    Native sheep                         | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3<br>21.7<br>12.9<br>11.3<br>18.1<br>5.1                | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8   | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3<br>24.1<br>11.9<br>10.8<br>12.6<br>5.3                |
| Head of cattle kept in bee Pounds of beef cattle products of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens  Total no. of prod. livesto  % of total that are:    Dairy and dual purpose of the dairy and dual pur In beef breeding herd    Feeder cattle    Native sheep    Feeder sheep         | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3<br>21.7<br>12.9<br>11.3<br>18.1<br>5.1                | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8<br>14.5<br>8.3<br>14.9<br>31.2<br>4.1<br>4.5                | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3<br>24.1<br>11.9<br>10.8<br>12.6<br>5.3<br>3.5         |
| Head of cattle kept in bee Pounds of beef cattle products of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens  Total no. of prod. livesto  % of total that are:    Dairy and dual purpose of the dairy and dual pur In beef breeding herd    Feeder cattle    Native sheep    Feeder sheep    Hogs | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3<br>21.7<br>12.9<br>11.3<br>18.1<br>5.1<br>3.5<br>21.1 | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8<br>14.5<br>8.3<br>14.9<br>31.2<br>4.1<br>4.5<br>18.4        | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3<br>24.1<br>11.9<br>10.8<br>12.6<br>5.3<br>3.5<br>24.5 |
| Head of cattle kept in bee Pounds of beef cattle products of pigs Pounds of hogs produced Head of sheep (2 lambs = 1 No. of hens  Total no. of prod. livesto  % of total that are:    Dairy and dual purpose of the dairy and dual pur In beef breeding herd    Feeder cattle    Native sheep    Feeder sheep         | f breedinuced.  head)  ck anima.        | l units                                 |  | 9.0<br>8,678<br>13.6<br>21,335<br>40.5<br>161<br>55.3<br>21.7<br>12.9<br>11.3<br>18.1<br>5.1                | 14.5<br>21,539<br>17.9<br>32,231<br>61.4<br>146<br>91.8<br>14.5<br>8.3<br>14.9<br>31.2<br>4.1<br>4.5<br>18.4<br>1.5 | 6.9<br>4,031<br>13.3<br>18,101<br>35.6<br>145<br>41.3<br>24.1<br>11.9<br>10.8<br>12.6<br>5.3<br>3.5         |

|  |  | 33 most          | 33 least                                     |
|--|--|------------------|--|
| tems   | rm of 165<br>farms                       | profitable farms | profitable farms                             |
| FARM EXPENSES  | TSTILLS                                  | Tarms            | 1 (41 1118                                   |
| Horses bought \$   | \$ 32                                    | \$ 51            | \$ 31  |
| Dairy and dual purpose cows bought                         | 33                                       | 33               | 26   |
| Oth dairy & dual purpose cattle bought                     | 43                                       | 62               | 24   |
| Beef cattle bought(including feeders)                      | 1243                                     | 2679             | 760  |
| Hogs bought  | 103                                      | 128              | 85   |
| Sheep bought (including feeders)                           | 414                                      | 811              | . 292  |
| Poultry bought (including turkeys)                         | 99                                       | 131              | 91   |
| Misc. crop expenses  | 243                                      | 406              | 166  |
| Feed bought  | 1007                                     | 1821             | 861  |
| Power mach. (farm share)(new)                              | 379                                      | 1459             | 376  |
| Power mach. (farm share)(upkeep)                           | 411                                      | 560              | 354  |
| Custom work hired  | 150                                      | 173              | 127  |
| Crop and general mach. (new)                               | 319                                      | 683              | 231  |
| Crop and general mach. (upkeep)                            | 69                                       | 98               | 57   |
| Livestock equipment (new)                                  | 74                                       | 84               | 43   |
| Livestock equipment (upkeep)                               | 20                                       | 25               | 17   |
| Misc. livestock expense                                    | 72                                       | 98               | 68<br>770                                    |
| Buildings and fencing (new) Buildings and fencing (upkeep) | 412                                      | 621              | 339  |
| Hired labor  | 88<br>392                                | 125<br>630 ***   | 83   |
| Taxes  | 313                                      | 472              | 273  |
| Insurance  |  | 20               | 10   |
| General farm   | 59                                       | 72               | 59   |
| (I) Total farm purchases                                   | 5990                                     | 10242            | 4685   |
| (2) Decrease in farm capital                               | their one of the same                    | -                |  |
| (3) Board furnished hired labor                            | 131                                      | 194              | 103  |
| (4) Interest on farm capital                               | 1635                                     | 2362             | 1398   |
| (5) Unpaid family labor                                    | 252                                      | 316              | 257  |
| (6) Total farm expenses (Sum of (1) to (5)                 | 8008                                     | 13114            | 6443   |
| ARM RECEIPTS   | er i i i i i i i i i i i i i i i i i i i |                  | antha an |
| Horses   | 14S                                      |                  | 67: -  |
| Dairy and dual purpose cows                                | 110                                      |                  | 66   |
| Dairy products   | 570                                      | 582              | 429  |
| Other dairy and dual purpose cattle                        | 155                                      | 127              |  |
| Beef cattle (including feeders)                            | 2373                                     | J                | 1343   |
| Hogs   | 1162                                     | 1673             | 1067   |
| Sheep and wool (including feeders)                         | 470                                      | 839              | 363  |
| Poultry (including turkeys) Eggs                           | 372<br>244                               | 521<br>210 - 5   | 262<br>267                                   |
| Corn   | 516                                      | 749              | 343  |
| Small grain  | 515<br>849                               | · 1461           | 521  |
| Other crops  | 239                                      | 381              | 176  |
| Power machinery sold                                       | 168                                      |                  | 136  |
| Crop and gen. mach. sold                                   | 81                                       | 185              | 45   |
| Misc.  | 394                                      | 607              | 219  |
| Income from work off the farm                              |  | 262              | · 82· /                                      |
| Agricultural adjustment payments                           | 506                                      | 795              | 417  |
| (7) Total farm sales                                       | 871)171                                  | 13938            | 5896   |
| (8) Increase in farm capital                               | 1179                                     | . 2944           | 416  |
| (9) Farm prod. used in house + house                       |  |                  | 4.   |
| rent   |  | 555              |  |
| (10) Total farm receipts (7)+(8)+(9)                       | 10106                                    | 17437            | 678 <b>7</b>                                 |
| (6) Total farm expenses                                    | 8008                                     | 13114            | 6443   |
| (11) Operator's labor earnings(10)-(6)                     |  | 4323             | 344  |

| You<br>far   |   |
|--|---|
| XPENSES AND NET DECREASES  |   |
| Total power  Horses Tractor Truck Auto (farm share) Gas engine (farm share) Elec. plant or current(farm share) Hired power Crop and general machinery Livestock equipment Buildings, fencing and tiling Misc. productive livestock expense Labor Real estate taxes Personal property tax Insurance General farm Interest on farm capital | \$ 674 \$ 876 \$ 646  144 182 160  231 303 204  67 138 54  137 144 139  2 2 4  32 38 35  61 69 50  223 315 203  67 76 65  240 325 270  70 96 66  807 1,176 698  269 395 242  144 77 31  15 20 10  59 72 59  1,636 2,362 1,398 |
| (1) Total expenses & net decreases   | 4,104 5,790 3,688   |
| All productive livestock  Dairy and dual purpose cows Other dairy & dual purpose cattle Beef breeding herd Feeder cattle Hogs Sheep - farm flock Sheep - feeders Turkeys Chickens Crops, seed and feed Income from work off the farm Agricultural conservation payments Miscellaneous  | \$4,194 \$6,935 \$3,011  682 732 547  294 259 194  268 490 186  1,035 2,724 457  1,176 1,760 1,003  108 143 110  71 160 39  233 321 226  327 346 249  939 1,573 266  193 262 82  506 795 417  370 548 256                     |
| (2) Total returns & net increases  | 6,202 10,113 4,032  |
| (1) Total expenses & net decreases   | 4,104 5,790 3,688   |
| (3) Oper. labor earnings (2) minus(1)  | 2,098 4,323 344   |

<sup>(</sup>A) Cash receipts and expenses are adjusted for changes in inventory for each enterprise and for each item of expense in order to show total receipts and net increases, and total expenses and net decreases. The operator's labor earnings are the same as those on page 6.

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

The financial statement on the preceding pages show that there is a wide range in earnings. The average operator's labor earnings for the 33 most profitable farms was \$4,323, and for the 33 least profitable farms \$344. The difference between the averages for these two groups was \$3,979. Some of the causes for these differences in earnings may be beyond the control of the farmer. It is significant, however, that the data in this report indicate that there are several factors which show definite relationships with operator's labor earnings and which suggest opportunities for increased earnings. The more important of these factors and their relationship with earnings are presented in the following tables.

| Table 2.       | Relation | of Crop Yields to | Farm Earnings      |
|----------------|----------|-------------------|--------------------|
| Per cent crop  | yields   | •                 |                    |
| were of the av |          | No. of            | Average operator's |
| for all 165 fa |          | farms             | labor earnings     |
| Group A        | verage   |                   |                    |
| P-7- aC        | A        |                   |                    |
| Below 86       | 78       | 33                | \$1,308            |
| 86-113         | 100      | 100               | 2,282              |
| 114 and above  | 123      | 32                | 2,338              |
|                |          |                   |                    |

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 3. R                              | elation of Cho       | oice of Crop     | os to Farm Earnings       |
|---|----------------------|------------------|---------------------------|
| Fer cent of til                         | llable land          |                  |                           |
| in high return                          | crops*               | No. of           | Average operator's        |
| Group                                   | Average              | farms            | labor earnings            |
| Below 31.0<br>31.0-39.9<br>40.0 & above | 27.8<br>35.1<br>46.0 | 710<br>871<br>71 | \$1,883<br>2,025<br>2,472 |

<sup>\*</sup>Crops are marked on page 14 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.

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.

Table 4. Relation of Returns From Productive Livestock to

| Index of returns for \$ fed to productive live | 100 feed         | No.<br>of      | Average operator's        |
|--|------------------|----------------|---------------------------|
| Group  | Average          | farms          | labor earnings            |
| Below 88<br>89-111<br>112 and above            | 72<br>100<br>126 | 41<br>79<br>45 | \$1,278<br>2,352<br>2,398 |

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

The majority of these farms are livestock forms. A large proportion of the crops raised are fed on the farm and some additional feed is purchased. Feed is the major item of cost in livestock production and livestock constitute an important source of income on these farms. Hence there is a marked 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. "我们的",这个说话的"多数数"的"这是基础的数据的"。

was a million Table 5. Relation of Amount of Productive Livestock to 19

|            | un vi aj aj                         | Farm Earn           | ings  |              |
|------------|-------------------------------------|---------------------|-------|--------------|
| San Branch | Productive livesto                  | ock of the rest of  |       |              |
| 11 12 1    | units per 100 acre                  | es* No. of          |       | e operator's |
|            | Group - Total Avers                 | age farms           | labor | earnings     |
|            | Professional Control of the Control |                     |       | •            |
| 1.14       | Below 16.5 12                       | 2.1 53              | \$    | 1,970        |
|            | 16.5-25.4 20                        | 0.9 64              |       | 1,953        |
|            | 25.5 and above 31                   | +.7 <sup>1</sup> 48 |       | 2,434        |
|            | MALL WILLIAM CO.                    |                     | •     |              |

The information in Table 5 shows the farms with a small amount of livestock to be as profitable as those with an average amount of livestock. However, an examination of the farms in these two groups shows that several very specialized crop farms with very little livestock are included in the group having less than 16.5 productive livestock units per 100 acres. If the farmers receiving more than 40 percent of their income from crops were to be omitted from the averages the operator's labor earnings of the group with a small amount of livestock would be \$1,482. 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.

and the property of the second of the second of the Table 6. Relation of Size of Business (Work units)

|                   | No. of                      | Average operator's  |
|-------------------|-----------------------------|---|
| Average           | farms                       | labor earnings  |
| e e a sa de la Co |                             |   |
| 337               | 745                         | \$1,247   |
| 546               | 87                          | 2.021   |
| 894               | 36                          | 3,277   |
|                   | ts<br>Average<br>337<br>546 | Average         farms           337         42           546         87 |

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. The size of the farm business may be increased by farming more land, by keeping more livestock, or by keeping livestock or growing crops of a more intensive type.

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

Table 7. Relation of Amount of Work Accomplished per Worker to Farm Earnings

|                                       |                   | 711201 00 | - CT T TT -    | mcv + 11 + 17 - 12 |                           |        |
|---------------------------------------|-------------------|-----------|----------------|--------------------|---------------------------|--------|
| Work unit per wo                      | rker              |           | No. of         | Ave                | rage oper                 | ator's |
| Group Ave                             | erage             |           | farms          | lab                | or earnin                 | gs     |
| Below 215<br>215-299<br>300 and above | 180<br>253<br>363 |           | 39<br>86<br>40 |                    | \$1,479<br>2,205<br>2,472 |        |

More days of productive work accomplished per worker reduces the labor charge per unit of business. Higher labor accomplishment can be secured in several 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 8. Relation of Power, Machinery, Equipment and

|   | Building               | Expense 1      | to Farm | Earnings* |                   |
|---|------------------------|----------------|---------|-----------|-------------------|
| Expense per worl                                  | c unit                 | No.            | of      | Average   | operator's        |
| Group A   | 7erage                 | farm           | 3       | labor e   | arnings           |
| \$2.65 and above<br>\$1.60-\$2.64<br>Below \$1.60 | \$3.38<br>2.01<br>1.32 | 39<br>86<br>40 |         |           | 773<br>122<br>363 |

<sup>\*</sup>Includes building, fencing, all crop machinery and livestock equipment, horse feed, and miscellaneous horse expense.

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 low.

Some of the cash expenses can be kept down by careful management. Oftentimes 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.

### EFFECT OF WELL BALANCED EFFICIENCY ON FARM PROFITS

It is quite evident from this report that few farmers have a monopoly on efficiency. Quite often farm operators show efficient management in one part of the farm business, which is offset by poor results in other phases. These farmers get medium returns while those who fall down all along the line get the lowest returns, and on the other hand those few who can manage to attain high efficiency in all parts of their organization receive returns well above the average. This is well illustrated in Table 9.

Table 9: Relation of Operator's Labor Earnings to the Number of

| Factors in which the Farmer is Above Average  |  |
|---|--|
| No. of factors in No. The length of the shaded lines which farm of Your-ware in proportion to the average excels farm operator's labor earnings | Average<br>operator's<br>labor<br>earnings |
|   |  |
| Seven 3 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   | \$4,446                                    |
| Six 13 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  | 3,285                                      |
| Five 27 XXXXXXXXXXXXXXXXXXXXXXXXX   | 3,078                                      |
| Four 28 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   | 2,085                                      |
| Three 43 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx   | 2,030                                      |
| Two 34 XXXXXXXXXXXXXXXXX  | 1,411                                      |
| One or none 17 xxxxxxx  | 848  |

The array in Table 9 indicates that it will be worthwhile for each cooperator to study carefully his ranking on pages 12 and 13, and learn his standing in respect to each of the above factors and the elements of strength and weakness in his farm business.

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| Measures of Farm Organization and Managemen  Measures used in chart Your on page 13 farm  | Average of 165 farms        | 33 most                     | 33 least<br>profit-<br>able<br>farms |
|---|-----------------------------|-----------------------------|--------------------------------------|
| Operator's Labor Earnings \$  | \$2,098                     | \$4,323                     | \$344                                |
| (1) Crop yields*  | 100                         | 107                         | 94                                   |
| (2) % of tillable land in high return crops**   | . 35.9                      | 38.1                        | 34.4                                 |
| (3) Ret. for \$100 feed to prod. livestock***   | 100                         | 107                         | 90                                   |
| (4) Prod. livestock units per 100 acres****   | 22.1                        | 24.5                        | 19.9                                 |
| (5) Size of business - work units   | . 569                       | 774                         | 457                                  |
| (6) Work units per worker   | 263                         | 288                         | 223                                  |
| (7) Pow., mach., equip., & bldg. exp.per work unit \$   | \$2,17                      | \$1.99                      | \$2,65                               |
| (3) Index of return for \$100 feed from - Dairy cattle Dual purpose cattle Beef cattle - breeding herd  | 100<br>100<br>100           | 96<br>114<br>108            | 87<br>98<br>90                       |
| Dual purpose cattle   | 100                         | 114                         | 98                                   |
| Hogs<br>Sheep - farm flock  | 100<br>100                  | 113<br>119                  | 91<br>76                             |
| Sheep - feeders Turkeys Chickens  | 100<br>100<br>100           | 97<br>108<br>108            | 63<br>78<br>94                       |
| (5) Work units on crops Work units on productive livestock Other work units   | 214<br>306<br>49            | 312<br>395<br>67            | 181<br>255<br>21                     |
| (6) Total number of workers  Number of family workers  Number of hired workers  | 2.2<br>1.5<br>.7            | 2.8<br>1.6<br>1.2           | 2.1<br>1.4<br>.7                     |
| (7) Power expense per work unit Crop machinery expense per work unit Livestock equip. expense per work unit Bldgs. and fencing exp. per work unit | \$1.22<br>.40<br>.12<br>.43 | \$1.11<br>.40<br>.10<br>.38 | \$1.44<br>.45<br>.16<br>.60          |

<sup>\*</sup> Given as a percentage of the average.

<sup>\*\*</sup> Crops are marked on page 14 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.

<sup>\*\*\*</sup> An index weighted by the animal units of livestock.

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

### Thermometer Chart

Using your figures from page 12 locate your standing with respect to the various measures of farm organization and management efficiency. The averages for the 165 farms included in this summary are located between the dotted lines across the center of this page.

|              |          | •       | ا من ماه این از از این از |          | ş ÷                     |                |              |
|--------------|----------|---------|---|----------|-------------------------|----------------|--------------|
| Oper.        |          | •       | Return  |          | .s.                     | Work           | Pow., mach., |
| labor        |          | High    | from pr   |          |                         | units          | eq.,& bldg.  |
| earn-        |          | retur   |   |          | Work                    | $\mathtt{per}$ | exp. per     |
| ings         | yield    | s crops | livesto   | ck 100 A | <ul><li>units</li></ul> | worker         | day pr. work |
| \$4900       | 140      | 56.0    | 140   | ¥2.0<br> | 975                     | 420            | \$.60        |
| 4550         | 135      | 53.5    | 135   | 39.5     | 925                     | 400 =          | .80          |
| 4200         | 130      | 51.0    | 130   | 37.0     | 875                     | 380 =          | 1.00         |
| 3850         | 125      | 48.5    | 125   | 34.5     | 825                     | 360            | 1.20         |
| 3500         | 120      | 46.0    | 120   | 32.0     | 775                     | 340            | 1.40         |
| 3150         | 115      | 43.5    | 115   | 29•5     | 725                     | 320            | 1.60         |
| 2800         | 110      | 41.0    | 110   | 27.0     | 675                     | 300            | 1.80         |
| 2450 =       | 105      | 38.5    | 105   | 24.5     | 625                     | 280            | 2,00         |
| 2100         | 100      | 36.0    | 100   | 22.0 =   | 575=                    | <u> </u>       | 2:20=        |
| 1750         | 95 =     | 33.5    | 95  | 19.5     | 525                     | 240 =          | 2.40         |
| 1400         | 90 =     | 31.0    | 90 =  | 17.0     | 475                     | 220 =          | 2.60         |
| 1050 =       | 85       | 28.5    | 85 =  | 14.5     | 425                     | 200 =          | 2.80         |
| 700 =        | - 80 -   | 26.0    | 5.0 BO  | 12.0     | 375                     | 180 =          | 3.00         |
| 350 <u>=</u> | 75 =     | 23.5    | 75  | 9.5      | 325                     | 160            | 3.20         |
|              | 70 =     | 21.0    | 70  | 7.0      | 275                     | 140 =          | 3.40=        |
| -350 =<br>=  | - 65 = = | 18.5    | 65  | 4.5      | 225                     | 120 =          | 3.60         |
|              | ) (      |         | )   |          |                         |                |              |

| Distribution   | of Acres  | in Farm.   | 1940             |                  |          |
|--|-----------|--|------------------|------------------|----------|
| Crop: (A) (B) (C) and (D) refer  | No.       | Your   | Average          | 33 most          | 33 least |
| to ranking used in calculating   | growing   | ; farm   | of 165           | profit-          | profit-  |
| % of tillable land in High   | this      | ra Pilingabilian (1986)<br>rang menjadi dan  | farms            | able             | able     |
| Return Crops (see page 12)   | crop      | ne graf a.   | fotom.           | farms            | farms    |
| Canning peas (A)   | 10        | • ° इं.  | 7 7              | æ'               | .2       |
| Flax (B)   | 136       |  | 1.3<br>32.0      | .8<br>50.5       | 24.2     |
| Barley (C)   | 108       |  | 24.6             | 41.4             | 16.6     |
| Barley and oats (C)  | 11        |  | 2.1              | 3.3              |          |
| Winter wheat (C)   | 3         | <del></del>  | 92 .1            | ر.<br>0 زوه تاري | 0        |
| Spring wheat (D)   | 63        | 3.5  | 4.6              | 822              | 4.5      |
| Oats (D)   | 152       |  | 40.3             | 49.5             | 35.0     |
| Oats and wheat (D)   | .6        | -1   |                  |                  | .9       |
| Rye (D)  | 13        |  | 1.1              | 1.7              | 2.5      |
| Soybeans for grain (D)   | . 32      |  | 2.0              | 5.6              | .9       |
| Miscellaneous (D)  | . 7       |  | . 8              | 1.1              |          |
|  |           |  |                  |                  | <u> </u> |
| Total Small Grain and Peas   |           |  | 109.4            | 162.1            | 85.6     |
| Sugar beets, hybrid seed corn,   |           |  | Amilian Market   |                  | 100138   |
| potatoes and truck crops (A)   | 71        | ( <del>), , , , , , , , , , , , , , , , , , ,</del>  | 4.2              | 10.0             | 7+*7+    |
| Sweet corn   |           |  | . 6              | ,8               | 3.3      |
| Corn grain (B)   | 163       | · ·  | 57.3             | 79.8             | 43.6     |
| Corn silage (C)  | 89        |  | 7.4              | 10.5             | 5.2      |
| Corn fodder (D)  | 62        | 2 1 2 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M  | 2,6              | 2.4              | 4.8      |
| Mak 3 makinda  |           | :  |                  | 1.2.             |          |
| Total cultivated crops Alfalfa hay (A)   | 1,7       |  | 72:1             | 103.5            | 58.3     |
| Sweet clover hay (B)   | 151<br>21 |  | 15.6             | 22.6             | 13.6     |
| Scybean hay (C)  | 69        | n <u>sakara</u><br>Majakanak   | 1.6              | 2.3              | 2.2      |
| Mined legumes & non-legumes (C)  | 26        |  | 3.0<br>2.3       | 2.8<br>3.0       | 2.1      |
| Legumes for seed (C)   | 12:       |  | 8                | 2.3              | 1.3      |
| Timothy and/or brome (D)   | 36        | -  | 2.0              | 2.3              | 5<br>1.9 |
| Other annual hay (D)   | 41        | Capability of the Capability o | 1.4              | 2.4              | .5       |
| 20   |           |  | Amia (Jacob      |                  |          |
| Total tillable land in May   | 4         |  | 26.7             | 37.7             | 22.1     |
| Alfalfa pasture (A)  | 43.       | 1 1 2  | 1,5              | 2.4              | 1.3      |
| Sweet clover pasture ('B)  | 65        | 1 1 2 3 8 8  | 7.9              | 13.1             | 9.4      |
| Mixture incl. alf., sw.clov., brome(B)   | 30        |  | 2,4              | 3.4              | 2.4      |
| Other legumes and mixtures (C)   | 29        |  | 1.9              | 1:2              | 1.6      |
| Sudan grass pasture (C)  | 38        |  | 1.7              | 2.4              | 1.5      |
| Other tillable pasture (D)   | 86        | - <u> </u>   | 8.0              | 8.9              | 11.6     |
| M-1-1-1-2-2-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3  |           |  |                  |                  |          |
| Total tillable land in pasture   | 1112      | <del></del>  | 23.4             | 31.4             | 27.8     |
| Tillable land not cropped (D)  | 41        |  | 2.0              | <b>3.</b> 9      | 1.3      |
| Total tillable land  |           |  | 233.6            | 338.6            | 195.1    |
| Photonia hoir (man + 177 h)  | 5         |  | - 48 <b>.</b> 88 |                  | . 2      |
| Phalaris hay (non-tillable) Wild hay (non-tillable)  | )<br>Eø   |  | ), ±             | 1 1              |          |
| Non-tillable pasture   | 58        | _ <del></del>  | the first        | 5.4              | 5.5      |
| Timber (not pastured)  | 101<br>22 | -  | 21.1             | 31.4             | 18.5     |
| 10 •   | 1         | -  | .5               | .6               | 1.1      |
| Farmstead  | gj (Ped)  |  | 9.6              | 14.1             | 7.3      |
| - CATING O CAR   |           |  | 9.1              | 11.4             | 8.2      |
| Total acres in farm  |           | \ \  | 278.7            | 401.6            | 235.9    |
| % land tillable  |           | <del></del>  | 84.8             | 87.4             | - 82.3   |
| % tillable land in high return crops   | 3         |  | 35.7             | 36.9             | 34.4     |
| The state of the s |           |  | ノノ・「             | J~ • J           |          |

| Cropsess  | Your<br>farm | Average<br>165<br>farms                 | 33 most<br>profitable<br>farms    | 33 least<br>profitable<br>farms      |
|---|--------------|---|-----------------------------------|--------------------------------------|
| Canning peas, value above seed cost Flax, bu. Barley, bu. Barley and oats, bu. Winter wheat, bu.                      | \$           | \$39.93<br>13.7<br>42.3<br>53.7<br>25.2 | \$34.40<br>14.5<br>45.8<br>61.4   | \$28.99<br>11.3<br>36.8<br>49.7      |
| Spring wheat, bu. Oats, bu. Oats and wheat, bu. Rye, bu. Soybeans for grain, bu.                                      |              | 23.6<br>60.1<br>60.9<br>19.9<br>14.4    | 26.7<br>66.2<br>-<br>23.1<br>14.6 | 20.5<br>58.2<br>60.1<br>16.3<br>12.8 |
| Sweet corn, tons Corn, grain, bu. Corn silage, tons Corn fodder, tons   |              | 2.9<br>46.2<br>8.5<br>3.3               | 3.2<br>48.9<br>8.9<br>4.1         | 1.5<br>43.4<br>8.7<br>3.3            |
| Alfalfa hay, tons Sweet clover hay, tons Soybean hay, tons Mixed legume & non-legume hay, tons Legumes for seed, lbs. |              | 2.0<br>1.4<br>1.6<br>1.4<br>138.1       | 2.0<br>1.8<br>1.6<br>1.3<br>102.6 | 2.1<br>1.1<br>1.4<br>1.7<br>202.7    |
| Timothy and/or brome hay, tons<br>Other annual hay, tons<br>Phalaris hay on non-tillable land, ton<br>Wild hay, tons  | s            | 1.4<br>1.7<br>1.9                       | 1.8<br>1.5<br>.8<br>1.2           | 1.9<br>3.2<br>5.0<br>1.2             |

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| Factors of Cost  | and Returns              |  |  | 940                                    |                                       |
|--|--------------------------|--|--|--|---------------------------------------|
| Items  |                          |  | Average<br>of 78<br>farms                | 16 farms highest in returns above feed | 16 farms lowest in returns above feed |
| Pounds of butterfat per cow  |                          | *  | 250                                      | 18 - 41. 328 - 4                       | 188                                   |
| Feeds per cow, lbs.: Corn Small grain Com. feeds - under 25% pro Com. feeds - over 25% pro   |                          |  | 924<br>1,496<br>41<br>93                 | 1,016<br>1,675<br>2<br>112             | 1,037<br>1,781<br>5<br>114            |
| Legume hay<br>Other hay<br>Fodder and stover   |                          |  | 3,570<br>450<br>399                      | 3,518<br>198<br>619                    | 4,043<br>839<br>229                   |
| Total concentrates<br>Total dry roughage<br>Silage   |                          |  | 2,554<br>4,419<br>5,310                  | 2,805<br>4,335<br>5,620                | 2,937<br>5,111<br>5,220               |
| Total digestible nutrients* T.D.N. per 1b. B. F. % T.D.N. that is protein  |                          |  | 5,025<br>21.0<br>14.1                    | 5,183<br>15.9<br>14.0                  | 5,691<br>30.6<br>14.2                 |
| Feed cost per cow: Concentrates Roughages Pasture TOTAL FEED COSTS   |                          | \$   | \$21.34<br>19.63<br>5.53<br>\$46.50      | \$23.13<br>19.05<br>5.29<br>\$47.47    | 21.87                                 |
| Value of produce per cow:  B. F. sales  Dairy produce used in hous  Milk to livestock  Net increases in value of  TOTAL VALUE PRODUCED | the second of the second |  | \$71.54<br>7.28<br>11.23<br>52<br>389.53 | 5.42                                   | \$43.20<br>11.67<br>8.24<br>-2.89     |
| RETURNS ABOVE FEED COST PER (  | OW                       | \$   | \$43.03                                  | \$84.16                                | \$ 8.32                               |
| RETURNS FOR \$100 OF FEED  |                          | \$   | \$199                                    | \$278                                  | \$121                                 |
| Price received per 1b. B. F. As manufacturing cream (ce As mkt.mk.& cm.& mk. for c   | ents)                    |  | 31.2<br>47.8                             | 33.1<br>56.0                           | 29.6<br>39.3                          |
| Feed cost per 1b. B. F. (cent  | (8)                      | The second section of the sect | 19.4                                     | 14.5                                   | 27.7                                  |
| % fall freshening  |                          | Market has a state of the state | 52.0                                     | 61.0                                   | 32.0                                  |
| Number of dairy cows**   |                          |  | 11.5                                     | 11.2                                   | 11.0                                  |

<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.

|  |  | 211 O O G.   | rns From Othe  | ar marry o   | actie, 1940   |   |
|--|--|--|--|--|---|---|
|  | 100 (2000)<br>2000 (2000)  | n de touristante.<br>La transferio de la companya de la<br>La companya de la companya d | Your<br>farm   |  | 14 farms<br>highest in  | lowest in   |
| Items  | Constant Same  | serMit   |  | Tarms.   | returns<br>above feed   | returns<br>above feed   |
| Feeds per head   | . lbs :  | elece i ille illeri illerille  | A CHARLES AND CONTRACTOR   | u la vista i re que la relación de la significación de la signific | problem to the state of the state of the state of                                       | ekuyer estana yana Najetanan ar-ira   |
| Concentrate  |  | · · · · · · · · · · · · · · · · · · ·  | a dia sa sa sa dia kacamata  | 674  | **************************************  | 642   |
| Hay and fode   | der  |  | Antonifectual por est in sur-resonance and the spaces  | 1,464  | 1,090   |   |
| Silage   | 4 <sup>3</sup> 4.  |  | a come of a second   | 1,917  | 1,785   | 2.516   |
| Whole milk   |  |  | the contract of the contract   | 379  | 608   | 240   |
| Skimmilk   | •  | eri<br>M   | A gradual transfer on the second and a second   | 1,308  | 1,590   | 1,301   |
| TO 1   |  | <i>'</i>   | The state of the s |  | l Mena - win  | erit (a. 38   |
| Feed cost per  |  | e grade  | <b>.</b>   | , l C  | <b>.</b>  |   |
| Concentrate  | S  | randra.<br>Tanàn   | \$   | _ \$ 5.46  |   | \$ 5.05   |
| Roughages<br>Milk  |  |  | en de la composition della com | _ 6.70   | 5.53  | 9.30  |
| Pasture  |  |  | ் அழித்திரை நடித்த  | _ 6.64   | 9.89  | 5.01  |
| TOTAL FE   | क्रा लाडांगड   | Surface of   | Φ  | <u>3.48</u>  | 2.95<br>(2.00)  | <u>3.39</u>   |
|  |  |  | . φ  | \$22,28  | \$24.76   | <b>やとと。/り</b>   |
| Net inc. in va   | lue of other   | dairy ca   | ttle   | \$31.94  | \$53.38   | \$17.02   |
| RETURNS ABOVE I  | FEED COST PER  | HEAD   |  | \$ 9.66  | \$28.62   | \$-5.73   |
| RETURNS FOR \$10   | OO OF FEED   | *  | <u></u>  | \$150  | \$234   | \$74  |
| Number of head   | of other dai   | ry cattle  | •  | 12.6   | 113.3   | 12.1  |
|  | Feed   | Costs and  | l Returns Fro  | om All Dai   | ry Cattle   |   |
|  |  | •  | Your   | Average  | 16 farms  | 16 farms  |
|  |  |  | farm   | ,  | highest in  | and the second  |
| Items  |  |  | tem can in the national  | farms  | returns<br>above feed   | 721 . A A   |
| Feeds per anima  | al unit lbs  | • 1 2 4 5  | and the second of the second o |  | Moneyeyek   | of dilu   |
|  |  |  | والأنافية المنافية المنافية المنافية المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة ا   | 2,139  | 2.472   | The distance  |
| Concentrates<br>Hay and fodd   | lar  | Sell Sales   | <del></del>  |  |   | 2 646   |
| Silage   | LO1  |  | Andrea of the control of the control of  | - 5,±00;<br>3,850  | 4 033   | 2,546<br>4 460  |
|  |  |  | the same of the sa | 3,852  | 4,033   | 4,460   |
|  | \{\f\}.\\\   |  |  | 3,852  | 4,033<br>3,922  | 4,460   |
| Feed cost per  | animal unit:   |  | Control of the Contro | 3,852<br>4,480   | 4,033<br>3,922  | 4,460<br>5,059  |
| Feed cost per a  | animal unit:   | ant juga   | \$   | 3,852<br>4,480<br>\$17.80  | 4,033<br>3,922<br>\$20.83   | 4,460<br>5,059<br>\$21,28   |
| Feed cost per  | animal unit:   | ant juga   | \$   | 3,852<br>4,480<br>\$17.80  | 4,033<br>3,922<br>\$20.83   | 4,460<br>5,059<br>\$21,28   |
| Feed cost per a<br>Concentrates<br>Roughages   | animal unit:   | ant juga   | \$   | 3,852<br>4,480<br>\$17.80  | 4,033<br>3,922<br>\$20.83   | 4,460<br>5,059<br>\$21,28   |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE   | enimal unit:   | 70.198<br>8088<br>228  | \$\$   | 3,852<br>4,480<br>17.80<br>16.94<br>6.08   | \$20.83<br>16.79<br>25.94<br>\$43.56  | \$21.28<br>19.58<br>6.25<br>\$47.11   |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE   | enimal unit: ED COSTS  | 70.198<br>8088<br>228  | \$\$   | 3,852<br>4,480<br>17.80<br>16.94<br>6.08   | \$20.83<br>16.79<br>25.94<br>\$43.56  | \$21.28<br>\$21.28<br>19.58<br>6.25<br>\$47.11                              |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE Value of produce Dairy produce                                    | enimal unit: ED COSTS See per animal   | no. The state of t       | \$   | 3,852<br>4,480<br>517.80<br>16.94<br>6.08<br>\$40.82   | \$20.83<br>16.79<br>5.94<br>\$43.56   | \$21.28<br>19.58<br>19.58<br>6.25<br>\$47.11                                |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE Value of produce Dairy produce Net increase                       | enimal unit: ED COSTS CA per animal cts cin value of                                   | no. The state of t       | \$\$<br>tttle  | 3,852<br>4,480<br>517.80<br>16.94<br>6.08<br>\$40.82   | \$20.83<br>16.79<br>5.94<br>\$43.56   | \$21.28<br>19.58<br>19.58<br>6.25<br>\$47.11                                |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE Value of product Dairy product Increase TOTAL VAL                 | enimal unit:  ED COSTS  EA per animal  Ets  E in value of  LUE PRODUCED                | unit:  | \$\$<br>attle  | 3,852<br>4,480<br>17.80<br>16.94<br>6.08<br>\$40.82<br>\$55.82<br>18.83<br>\$74.65   | \$20.83<br>16.79<br>5.94<br>\$43.56<br>\$79.05<br>25.38<br>\$104.43                     | \$21.28<br>19.58<br>6.25<br>\$47.11<br>\$40.15<br>12.33<br>\$52.48          |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE Value of product Dairy product increase TOTAL VAI RETURNS ABOVE I | enimal unit:  ED COSTS  ee per animal ets  e in value of UE PRODUCED  FEED PER ANIM    | unit: dairy ca   | \$\$<br>attle  | 3,852<br>4,480<br>16.94<br>6.08<br>\$40.82<br>\$55.82<br>18.83<br>\$74.65<br>\$33.83   | \$20.83<br>16.79<br>5.94<br>\$43.56<br>\$79.05<br>25.38<br>\$104.43                     | \$21.28<br>19.58<br>19.58<br>6.25<br>\$47.11<br>\$40.15<br>12.33<br>\$52.48 |
| Feed cost per a Concentrates Roughages Pasture TOTAL FEE Value of product Dairy product Increase TOTAL VAL                 | enimal unit:  ED COSTS  EA per animal  Ets  E in value of  LUE PRODUCED  FEED PER ANIM | unit: dairy ca   | \$\$<br>attle  | 3,852<br>4,480<br>16.94<br>6.08<br>\$40.82<br>\$55.82<br>18.83<br>\$74.65<br>\$33.83   | \$20.83<br>16.79<br>5.94<br>\$43.56<br>\$79.05<br>25.38<br>\$104.43<br>\$60.87<br>\$241 | \$21.28<br>19.58<br>19.58<br>6.25<br>\$47.11<br>\$40.15<br>12.33<br>\$52.48 |

<sup>\*</sup> Several farmers 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 Retur   | Your Average farm of 50                 | 10 farms<br>highest in                       | 10 farms<br>lowest in                       |
|---|---|--|---|
| Items   | farms                                   | returns<br>above feed                        | returns<br>above feed                       |
| Pounds of butterfat per cow   | 179                                     | 224  | 137   |
| Corn<br>Small grain   | 565<br>927                              | 454<br>839                                   | 880<br>1,117                                |
| Com. feeds - under 25% protein  | 2 8                                     | 6  | #<br>8                                      |
| Legume hay Other hay Fodder and stover  | 2,981<br>843<br>409                     | 1,925<br>1,193<br>220                        | 3,615<br>599<br>443                         |
| Total concentrates Total dry roughage Silage  | 1,502<br>4,233<br>4,132                 | 1,300<br>3,338<br>5,222                      | 2,009<br>4,657<br>4,210                     |
| Total digestible nutrients* T.D.N. per 1b. B.F. % T.D.N. that is protein  | 3,926<br>22.8<br>13.8                   | 3,517<br>15.6<br>12.9                        | 4,543<br>33.3<br>13.8                       |
| Feed cost per cow: Concentrates \$  | \$11.99<br>17.03<br>5.83<br>\$34.85     | \$10.55<br>14.51<br><u>5.79</u><br>\$30.85   | \$15.36<br>19.25<br>5.84<br>\$40.45         |
| Value of produce per cow:  B.F. sales  Dairy produce used in house  Milk to livestock  Net increases in value of cows  TOTAL VALUE PRODUCED  \$ | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | \$51.94<br>12.08<br>11.33<br>2.48<br>\$77.83 | \$32.87<br>5.91<br>8.06<br>-2.44<br>\$44.40 |
| RETURNS ABOVE FEED COST PER COW \$_   | \$26.49                                 | \$46.98                                      | \$ 3.95                                     |
| RETURNS FOR \$100 OF FEED \$_   | \$185                                   | \$262  | \$110                                       |
| Price received per 1b. B.F. sold As manufacturing cream (cents)   | 30.0                                    | 30.1   | 29.9  |
| Feed cost per 1b. B.F. (cents)  | 20.2                                    | 13.8   | 29.6  |
| % fall freshening   | 46.0                                    | 42.0   | 36.0  |
| Number of dual purpose cows   | 9.9                                     | 3.1 9.1                                      | 12.0  |

Marian Company of the Company of the

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

|   | T T OW  | Officer T  | MUT TITLDO   | se Cattle, 1   | 940  |
|---|---|--|--|--|--|
|   | 2014  | Your<br>farm                                     | Average<br>of 39<br>farms*   | 10 Farms<br>highest in<br>returns  | 10 Farms<br>lowest in<br>returns   |
| Items   | ر را بها المام المام<br>- المام |  | TABLE OF THE   | above feed   |  |
|   |   |  |  |  |  |
| Feeds per head, lbs.:   |   |  | <del></del> 1, 6   | 707  | (3 <b>-7 -7</b>  |
| Concentrátes<br>Hay and fodder  |   | <del></del>                                      | - 742<br>1633  | 791<br>1652  | 877<br>2118  |
| Silage  | ·   | rate in the grade ways, who make the first first | 1228   | 768  | 1469   |
| Whole milk  | • • •   |  | 204  | 136  | 158  |
| Skimmilk  | ,   |  | 1223   | 1134   | 801  |
| 10 10 10 10 10 10 10 10 10 10 10 10 10 1  |   |  |  | 70   |  |
| Feed cost per head: Concentrates  | · 🕏   |  | \$5.94   | \$6.32   | \$6.97   |
| Roughages   | Ψ   |  | φ9,9 <del>7</del><br>6.07  | 5.76   | 7.71   |
| Milk  |   |  | 4.42   | 3.42   | 3.29   |
| Pasture   |   |  | 3.43   | 2.48   | 4.41   |
| TOTAL FEED COSTS  | \$ <u> </u>   |  | \$19.86  | \$17.98  | \$22.38  |
| Net increase in value   | · \$_   | ,  | \$30.39  | \$41.48  | \$21.25  |
| RETURNS ABOVE FEED COST PER HEAD  | ,, <sup>(</sup> - \$  | ·  | \$10.53  | \$23.50  | \$-1.13  |
| RETURNS FOR \$100 OF FEED   | \$_   |  | \$163  | \$243  | \$98   |
| No. of head of other dual purpose c   | attle_  |  | 16.6   | 19.3   | 18.6   |
| Feed Costs and Ret  | iime F  | nom All  |  | entri de la comitación de<br>Proprior de la comitación | ik den kija ng delah penghasah benghapan den Pendhamin den pendian pipunan den delah delah delah den den den d<br>Chang pinungan dengan den dengkasan dengan delah delah delah den delah Terret delah delah delah delah delah de |
|   |   | 1 (J) B 20L F 1                                  | Dual Pur   | nose Cattle  |  |
|   |   | Your   | Average  | 10 Farms   | 10 Farms<br>lowest in  |
|   |   |  |  | 10 Farms<br>highest in<br>returns  | lowest in returns  |
|   |   | Your<br>farm                                     | Average<br>of 51   | 10 Farms<br>highest in   | lowest in  |
| Items Feeds per animal unit, lbs.:  |   | Your<br>farm                                     | Average<br>of 51<br>farms  | 10 Farms highest in returns above feed   | lowest in returns above feed   |
| Items  Feeds per animal unit, lbs.:  Concentrates   |   | Your<br>farm                                     | Average<br>of 51<br>farms  | 10 Farms highest in returns above feed   | lowest in returns above feed   |
| Items  Feeds per animal unit, lbs.:  Concentrates  Hay and fodder   |   | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848  | 10 Farms highest in returns above feed  1324 3291  | lowest in returns above feed 2089 4739   |
| Items  Feeds per animal unit, lbs.:  Concentrates  Hay and fodder  Silage   |   | Your<br>farm                                     | Average<br>of 51<br>farms  | 10 Farms highest in returns above feed   | lowest in returns above feed   |
| Items  Feeds per animal unit, lbs.:  Concentrates  Hay and fodder  Silage  Feed cost per animal unit:   |   | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875  | 10 Farms highest in returns above feed  1324 3291 4633   | lowest in returns above feed  2089 4739 4778   |
| Items  Feeds per animal unit, lbs.:  Concentrates  Hay and fodder  Silage  Feed cost per animal unit:  Concentrates   |   | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875<br>\$11.78                             | 10 Farms highest in returns above feed  1324 3291 4633   | lowest in returns above feed  2089 4739 4778   |
| Items  Feeds per animal unit, lbs.: Concentrates Hay and fodder Silage  Feed cost per animal unit: Concentrates Roughages   |   | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875<br>\$11.78<br>15.48                    | 10 Farms highest in returns above feed  1324 3291 4633 \$10.78 14.49   | lowest in returns above feed  2089 4739 4778  \$16.42 19.69  |
| Items  Feeds per animal unit, lbs.:  Concentrates  Hay and fodder  Silage  Feed cost per animal unit:  Concentrates   |   | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875<br>\$11.78                             | 10 Farms highest in returns above feed  1324 3291 4633   | lowest in returns above feed  2089 4739 4778   |
| Items  Feeds per animal unit, lbs.:     Concentrates     Hay and fodder     Silage  Feed cost per animal unit:     Concentrates     Roughages     Pasture     TOTAL FEED COSTS  |   | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875<br>\$11.78<br>15.48<br>6.11            | 10 Farms highest in returns above feed  1324 3291 4633 \$10.78 14.49   | lowest in returns above feed  2089 4739 4778  \$16.42 19.69  |
| Items  Feeds per animal unit, lbs.:     Concentrates     Hay and fodder     Silage  Feed cost per animal unit:     Concentrates     Roughages     Pasture   | \$  | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875<br>\$11.78<br>15.48<br>6.11<br>\$33.37 | 10 Farms highest in returns above feed  1324 3291 4633 \$10.78 14.49   | lowest in returns above feed  2089 4739 4778  \$16.42 19.69 6.64 \$42.75   |
| Items  Feeds per animal unit, lbs.:     Concentrates     Hay and fodder     Silage  Feed cost per animal unit:     Concentrates     Roughages     Pasture         TOTAL FEED COSTS  Value of produce per animal unit:     Dairy products     Net increase in value                              | \$  | Your<br>farm                                     | Average of 51 farms  1477 3848 3875  \$11.78 15.48 6.11 \$33.37                          | 10 Farms highest in returns above feed  1324 3291 4633 \$10.78 14.49   | lowest in returns above feed  2089 4739 4778  \$16.42 19.69 6.64 \$42.75   |
| Items  Feeds per animal unit, lbs.:     Concentrates     Hay and fodder     Silage  Feed cost per animal unit:     Concentrates     Roughages     Pasture     TOTAL FEED COSTS  Value of produce per animal unit:     Dairy products  | \$  | Your<br>farm                                     | Average<br>of 51<br>farms<br>1477<br>3848<br>3875<br>\$11.78<br>15.48<br>6.11<br>\$33.37 | 10 Farms highest in returns above feed  1324 3291 4633 \$10.78 14.49 5.55 \$30.82  | lowest in returns above feed  2089 4739 4778  \$16.42 19.69 6.64 \$42.75   |
| Items  Feeds per animal unit, lbs.:     Concentrates     Hay and fodder     Silage  Feed cost per animal unit:     Concentrates     Roughages     Pasture         TOTAL FEED COSTS  Value of produce per animal unit:     Dairy products     Net increase in value         TOTAL VALUE PRODUCED | \$  | Your<br>farm                                     | Average of 51 farms  1477 3848 3875  \$11.78 15.48 6.11 \$33.37                          | 10 Farms highest in returns above feed  1324 3291 4633 \$10.78 14.49   | lowest in returns above feed  2089 4739 4778  \$16.42 19.69 6.64 \$42.75   |
| Items  Feeds per animal unit, lbs.:     Concentrates     Hay and fodder     Silage  Feed cost per animal unit:     Concentrates     Roughages     Pasture         TOTAL FEED COSTS  Value of produce per animal unit:     Dairy products     Net increase in value                              | \$  | Your<br>farm                                     | Average of 51 farms  1477 3848 3875  \$11.78 15.48 6.11 \$33.37                          | 10 Farms highest in returns above feed  1324 3291 4633  \$10.78 14.49  | lowest in returns above feed  2089 4739 4778  \$16.42 19.69 6.64 \$42.75  \$25.74 16.71 \$42.45  |

<sup>\*</sup> Several farmers having both a dual purpose and a beef herd used a beef bull and included all the young stock in the beef herd.

Feed Costs and Returns From Beef Cattle, 1940 Your Average Farms Farms farm of all highest in lowest in farms returns returns Items above feed above feed Beef breeding herd: no. of farms: Feeds per animal unit, lbs.: Concentrates 1418 1535 1939 Legume hay 1824 2757 2221 Other hay 628 319 899 Fodder and stover 166 438 722 Silage 2833 1540 6808 Skimmilk\* 345 250 205 Whole milk\* 79 135 59 Feed cost per animal unit: Concentrates \$12.08 \$11.34 \$15.73 Roughages 11.19 13.15 16.58 Milk\* 2,25 .96 1.53 Pasture 4.11 TOTAL FEED COSTS \$31.59 Value of produce per animal unit: \$ 7.00 Dairy products \$17.28 \$ 1.41 Net increase in value of animals 41.06 52.71 34.15 TOTAL VALUE PRODUCED \$48.06 \$69.99 \$35.56 RETURNS ABOVE FEED COST PER ANIMAL UNIT \$18,20 \$38.40 RETURNS FOR \$100 OF FEED \$172 \$237 Number of cows and herd bulls 16.3 12.4 Number of animal units in the herd 22.4 Feeder cattle: no. of farms: 15 Feeds per cwt. beef produced, lbs.: Corn 534 Small grain 110 76 172 Com. fe ds - under 25% protein 4 13 8 Com. feeds - over 25% protein 36 26 Legume hay 270 262 230 Other hay 64 43 135 Fodder and stover 打打 55 Total concentrates 740 994 631 Total dry roughages 426 378 328 Silage 555 398 1168 % of T.D.N. in ration that is protein 11.7 11.6 11.0 Feed cost per cwt. beef produced: Concentrates \$ 5.04 \$ 5.92 \$ 7.94 Roughages 2.41 1.39 1.70 Pasture .16 67 TOTAL FEED COSTS \$ 6.59 \$11.02 Net increase in value of feeders \$10.92 \$ 8.68 \$13.31 RETURNS ABOVE FEED COST PER CWT. BEEF PROD. \$ 2.92 \$ 6.72 \$-2.34RETURNS FOR \$100 OF FEED \$148 \$213 \$82 \$ 9.26 Price received per cwt. beef sold \$ 7.99 \$ 6.05 No. of animal units --- 36.9 - 28:0 17.7 Pounds of beef produced 18991 15685 6740

<sup>\*</sup>Several farmers had both dairy or dual purpose cows and beef cows and fed considerable amounts of milk produced by the dairy herd to beef calves.

| Feed Costs and Returns from Your farm              | Average<br>of all<br>farms | Farms highest in returns above feed | returns             |
|--|----------------------------|-------------------------------------|---------------------|
| Farm flock: No. of farms:                          | 56                         | 11                                  | 11                  |
| Feeds per head, * lbs.:                            |                            | 3.1                                 |                     |
| Concentrates                                       | _ 75                       | 28                                  | 105                 |
| Legume hay   | _ 208                      | 126                                 | 277                 |
| Other hay Fodder and stover                        | -<br>- 46                  | 78<br>76                            | 74<br>46            |
| Silage   | 142                        | 181                                 | 138                 |
| Feed cost per head:                                |                            |                                     |                     |
| Concentrates \$                                    | \$ .64                     | \$ .24                              | \$ .86              |
| Roughages  | 1.08                       | .87                                 | 1.33                |
| Pasture TOTAL FEED COSTS \$                        | \$2.60                     | 1.00<br>\$2.11                      | \$ <del>3.</del> 07 |
| * ************************************             | PZ.00                      | Ψ~. 11                              | Ψ). Θ1              |
| Value of produce per head:  Wool \$                | \$2.09                     | \$2.01                              | \$2,45              |
| Net increase in value of sheep                     |                            |                                     |                     |
| TOTAL VALUE PRODUCED \$                            | <u>3.78</u><br>\$5.87      | <u>6.36</u><br>\$8.37               | \$2,80              |
| RETURNS ABOVE FRED COST PER HEAD \$                | \$3.27                     | \$6.26                              | \$27                |
| RETURNS FOR \$100 OF FEED \$                       | \$246                      | \$406                               | \$92                |
| Value per lamb sold \$                             | -<br>\$7.14                | \$7.46                              | \$7.68              |
| Price per 1b. wool sold (cts.)                     | 28.7                       | 29.1                                | 27.5                |
| Pounds of wool per sheep sheared                   | 9.0                        | 9.1                                 | 9.9                 |
| Number of ewes kept for lambing                    | _ 36.0                     | 26.0                                | 44.0                |
| % lamb crop<br>% death loss                        | 110.4                      | 122.4<br>16.0                       | 102.4               |
| No. of head of sheep* (Farm flock)                 | ····                       | 47.1                                | 53.1                |
| wo. of head of sheep (farm flock)                  | 24.0                       | 4(, I                               | 99.1                |
| Feeder sheep: no. of farms:                        | 20                         | 10                                  | 10                  |
| Feeds per cwt. sheep produced, lbs.:               | 600                        | NEE.                                | 700                 |
| Concentrates Legume hay                            | _ 622<br>- 326             | 455<br>331                          | 788<br>322          |
| Other hay  | 72                         | 52                                  | 91                  |
| Fodder and stover                                  | <u> </u>                   | 80                                  | 45                  |
| Silage   | _ 99                       | 152                                 | 47                  |
| Feed cost per head:                                | , , , , , , ,              |                                     | e<br>An             |
| Concentrates \$                                    | _ 84.76                    | <b>\$3.6</b> 0                      | \$5.91              |
| Roughages<br>Pasture                               | _ 1.55                     | 1.61<br>.57                         | 1.49<br>1.13        |
| TOTAL FEED COSTS \$                                | \$7.16                     | \$5.78                              | \$8,53              |
| Net increase in value of sheep \$                  | -<br>\$9.29                | \$10.68                             | \$7.90              |
| RETURNS ABOVE FEED COST PER CWT.PRODUCED\$         | _ \$2.13_                  | \$4.90                              | \$63                |
| RETURNS FOR \$100 OF FEED** \$                     | \$150                      | \$198                               | \$101               |
| Price per cwt. sheep sold \$                       | \$8.74                     |                                     | \$8.48              |
|  | 3.5                        | 2.2                                 | 4.5                 |
| % death loss                                       |                            |                                     |                     |
| % death loss % of T.D.N. in ration that is protein | 13.0<br>6490               | 13.1<br>7068                        | 12.8                |

<sup>\*</sup> Two lambs under 6 mo. of age considered as one head.

\*\* Five flocks were omitted from this statement because of very high death losses.

The average returns for \$100 of feed for the 25 flocks was \$114.

| Feed Costs and Returns From Hog Your farm  Items   | . Average                         | Farms highest in returns above feed | lowest in returns                |
|--|-----------------------------------|-------------------------------------|----------------------------------|
| Hogs: no. of farms:  | 160                               | 32                                  | 32                               |
| Feed per cwt. hogs produced, lbs.:  Corn  Small grain  Com. feeds - under 25% protein  Com. feeds - over 25% protein         |                                   | 238<br>122<br>4<br>11               | 461<br>218<br>2<br>11            |
| Total concentrates Skimmilk and buttermilk   |                                   | 375<br>122                          | 692<br>219                       |
| Feed cost per cwt. hogs produced: Concentrates Skimmilk and buttermilk Pasture TOTAL FEED COSTS  \$                          | \$3.88<br>.21<br>.20<br>\$4.29    | \$2.97<br>.18<br>.18<br>\$3.33      | \$5.43<br>.33<br>.22<br>\$5.98   |
| Net incr. in value per cwt. hogs. prod.\$  | \$5.52                            | \$ <u>6.01</u>                      | \$ <u>5.08</u>                   |
| RET. ABOVE FEED COST PER CWT. HOGS PROD.\$   | \$1.23                            | <b>2.</b> 68                        | \$90                             |
| RETURNS FOR \$100 OF FEED \$ Price received per cwt. hogs sold \$  | \$137<br>\$5.15                   | \$18 <b>3</b><br>\$5.50             | \$89<br>\$4.98                   |
| Total no. of litters raised  No. of pigs weaned per litter  % of two-litter systems  Pounds of hogs produced                 | 14.0<br>6.2<br>28.0<br>21907      | 15.9<br>6.9<br>31.0<br>26012        | 11.5<br>5.3<br>19.0<br>14887     |
| Chickens: no. of farms:  | 147                               | 29,                                 | 29                               |
| Feed per hen, 1bs.: Concentrates Skimmilk and buttermilk   | 101<br>25                         | 126<br>22                           | 90<br>17                         |
| Feed cost per hen:  Concentrates  Skimmilk and buttermilk  TOTAL FEED COST  \$   | \$1.07<br>.04<br>\$1.11           | \$1.38<br>03<br>\$1.41              | \$ .92<br>.03<br>\$ .95          |
| Value of produce per hen:  Eggs sold and used in house  Net increase in value of chickens  TOTAL VALUE PRODUCED  \$          | \$1.42<br>.65<br>\$2.07           | \$1.78<br><u>1.58</u><br>\$3.36     | \$1.04<br>\$1.04                 |
| RETURNS ABOVE FEED COST PER HEN \$   | \$.96                             | \$1.95                              | \$ .09                           |
| RETURNS FOR \$100 OF FEED  Price rec'd per doz. eggs sold (cts.)  Eggs laid per hen  No. of hens  % of hens that are pullets | \$198<br>15.0<br>113<br>179<br>75 | \$266<br>16.3<br>132<br>164<br>85   | \$110<br>14.3<br>88<br>195<br>63 |

|  |  | Your   | Average  | 6 farms  | 6 farms  |
|--|--|--|--|--|--|
| The state of the s | •  | farm   | of 12  | highest in   |  |
| the state of the s |  |  | farms  | returns  | returns  |
| tems   | the first of the second of the   | A CONTRACTOR OF THE SECOND SEC | The same of the sa | above feed   |  |
| eed per cwt. turkeys pro   | duced. lbs.:   |  | anny in the second state of the second s   | auntanian, automorphismo anti-ny-re autom  | The second secon |
| Grain  |  |  | 334  | 337  | 330  |
| Com. feeds - under 25%   | protein  |  | 21   |  | 10   |
| Com. feeds - over 25%  |  |  | 188  | 127  | 250  |
| . com. reeds - over 25%  | brocern  | -  |  | 151  | 250  |
| Total concentrates   |  |  | -543   | 496  | 590  |
| Skimmilk   |  | ***  |  | ~_   |  |
| OKTHIIITAK   |  | **************************************   | 36   | OT.  | 10   |
| reed cost per cwt. turkey  | a mandanad   | . <b>d</b>   | \$7.27   | ¢6 17  | <u></u> ቀወ <b>ገ</b> ወ  |
| eed cost per cwt, turkey   | s produced   | Ψ  | 41.21  | Ψ ΦΟ, Ι (  | \$8.38   |
| alue of produce per cwt.   | tumberra mad   |  |  | •  | e de la companya de<br>La companya de la co  |
|  | curkeys prod   | ь.   | 3 (5   | 0.70   |  |
| Eggs and poults  |  | φ  | 1.65   | 2.78   | . 51   |
| Net increases in turke   |  | A  | 11.36<br>13.01   | 11.69<br>14.47   | 11.04<br>11.55   |
| TOTAL VALUE PRODUCE  | П  | \$   | 13.01  | 14.47  | 11.55  |
| TO OF THE THEFT TO OF THE  |  |  |  |  |  |
| RETURNS ABOVE FEED COST P  | 矩度 CM.T.   | _  |  |  |  |
| TURKEYS PRODUCED   | na di karangan pangan pang<br>Pangan karangan pangan pan | \$   | 5.74   | 8.30   | 3.17   |
| TOTAL TOTAL OF THE PROPERTY OF |  | e en   | 4 4 7 4 5 5 5 5 6  | The state of the s | 100000000000000000000000000000000000000  |
| RETURNS FOR \$100 FEED   |  | <b>উ</b>   | \$214  | \$285  | \$143  |
|  |  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1   |  |  |  |
|  |  |  |  | 1 (  |  |
| Price rec'd per 1b. turke  | y sold (cts.)  | landa a sanata a sana  | 14,4   | 14.6   | 14.2   |
|  |  | i de la constantina del constantina de la constantina de la constantina de la constantina del constantina de la constant |  | · Admin Life II  | The state of the state of  |
| rice rec'd per 1b. turke<br>ounds of turkeys produce   |  | ************   | 14.4<br>25,124   | 14.6<br>22,248   | 14.2<br>28,000   |
|  |  |  |  | · Admin Life II  | The state of the state of  |
| ounds of turkeys produce   | d  | One description of the second  | 25,124   | 22,248   | 28,000   |
|  | d<br>orses and Mis   | sc. Power a  | 25,124   | 22,248   | 28,000   |
| ounds of turkeys produce   | d<br>orses and Mis   | c. Power a   | 25,124<br>and Machiner<br>Average  | 22,248  Y Expense, 32 most   | 28,000<br>1940<br>32 least   |
| ounds of turkeys produce   | d<br>orses and Mis   | sc. Power a  | 25,124<br>and Machiner<br>Average<br>of 163  | 22,248  Y Expense, 32 most profit-   | 28,000<br>1940<br>32 least<br>profit-  |
| ounds of turkeys produce  Feed Costs for H   | d<br>orses and Mis   | c. Power a   | 25,124<br>and Machiner<br>Average  | 22,248  Y Expense, 32 most profit-   | 28,000<br>1940<br>32 least<br>profit-  |
| ounds of turkeys produce  Feed Costs for H   | d<br>orses and Mis   | c. Power a   | 25,124<br>and Machiner<br>Average<br>of 163  | 22,248  Expense, 32 most profit- 1 able  | 28,000<br>1940<br>32 least<br>profit-  |
| ounds of turkeys produce  Feed Costs for H  tems  'eed per horse,** lbs.:  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*   | 22,248  y Expense, 32 most profit- able farms*   | 28,000  1940 32 least profit- able farms*  |
| ounds of turkeys produce  Feed Costs for H  tems  Teed per horse, ** lbs.:  Grain  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*   | 22,248  Ty Expense,  32 most  profit- 1  able farms*   | 28,000  1940  32 least profit- able farms*   |
| ounds of turkeys produce  Feed Costs for H  tems  Teed per horse, ** lbs.:  Grain Hay  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*   | 22,248  y Expense, 32 most profit- able farms*   | 28,000  1940 32 least profit- able farms*  |
| tems  tems  red per horse, ** lbs.:  Grain  Hay  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*   | 22,248  Ty Expense,  32 most  profit- 1  able farms*   | 28,000  1940 32 least profit- able farms*  |
| tems  tems  eed per horse, ** lbs.:  Grain  Hay  Fodder and stover   | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*   | 22,248  Ty Expense,  32 most  profit- 1  able farms*   | 28,000  1940  32 least profit- able farms*   |
| ounds of turkeys produce  Feed Costs for H  tems  eed per horse, ** lbs.: Grain Hay Fodder and stover  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*   | 22,248  Ty Expense,  32 most  profit- 1  able farms*   | 28,000  1940  32 least profit- able farms*   |
| Teed Costs for H  tems Teed per horse, ** lbs.: Grain Hay Fodder and stover Teed costs per horse:  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  | 22,248  y Expense, 32 most profit- pable farms*  2308 3372 200   | 28,000  1940 32 least profit— able farms*  2155 4022 250   |
| Teed Costs for H  tems Teed per horse, ** lbs.: Grain Hay Fodder and stover Teed costs per horse: Grain  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  | 28,000  1940 32 least profit— able farms*  2155 4022 250   |
| tems  tems  eed per horse, ** lbs.:  Grain  Hay  Fodder and stover  eed costs per horse:  Grain  koughage  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35  | 22,248  y Expense, 32 most profit- pable farms*  2308 3372 200   | 28,000  1940 32 least profit- able farms*  2155 4022 250  \$16.31  |
| tems tems eed per horse, ** lbs.: Grain Hay Fodder and stover eed costs per horse: Grain koughage  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  | 28,000  1940 32 least profit- able farms*  2155 4022 250   |
| tems  tems  eed per horse, ** lbs.: Grain Hay Fodder and stover  eed costs per horse: Grain koughage asture  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65   | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98   | 28,000  1940 32 least profit- able farms*  2155 4022 250  \$16.31 10.54  |
| tems  Teed Costs for H  tems  Teed per horse, ** lbs.: Grain Hay Fodder and stover  Teed costs per horse: Grain Koughage   | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35  | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  | 28,000  1940 32 least profit- able farms*  2155 4022 250  \$16.31 10.54  |
| Teed Costs for H  Teed Costs for H  Teed per horse, ** lbs.: Grain Hay Fodder and stover  Teed costs per horse: Grain koughage Pasture  TOTAL FEED COSTS   | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65   | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98   | 28,000<br>1940<br>32 least<br>profit—<br>able<br>farms*<br>2155<br>4022<br>250<br>\$16.31<br>10.54   |
| tems  Teed Costs for H  tems  Teed per horse, ** lbs.: Grain Hay Fodder and stover  Teed costs per horse: Grain Roughage asture  TOTAL FEED COSTS  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65   | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98   | 28,000<br>1940<br>32 least<br>profit—<br>able<br>farms*<br>2155<br>4022<br>250<br>\$16.31<br>10.54   |
| tems  tems  eed per horse, ** lbs.: Grain Hay Fodder and stover  eed costs per horse: Grain koughage asture  TOTAL FEED COSTS  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65   | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98   | 28,000<br>1940<br>32 least<br>profit—<br>able<br>farms*<br>2155<br>4022<br>250<br>\$16.31<br>10.54   |
| Feed Costs for H  Items Feed per horse, ** lbs.: Grain Hay Fodder and stover  Feed costs per horse: Grain Roughage Pasture  TOTAL FEED COSTS  Number of work horses  | d<br>orses and Mis   | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65 29.74 4.2 1.0   | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98   | 28,000<br>1940<br>32 least<br>profit—<br>able<br>farms*<br>2155<br>4022<br>250<br>\$16.31<br>10.54   |
| Teed Costs for H  tems  Teed per horse, ** lbs.: Grain Hay Fodder and stover  Teed costs per horse: Grain koughage asture  TOTAL FEED COSTS  Tumber of work horses Tumber of colts  Trop acres per farm  | orses and Mis  | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65 29.74 4.2   | 22,248  y Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98   | 28,000<br>1940<br>32 least<br>profit—<br>able<br>farms*<br>2155<br>4022<br>250<br>\$16.31<br>10.54   |
| Feed Costs for H  Items Teed per horse, ** lbs.: Grain Hay Fodder and stover  Feed costs per horse: Grain Roughage Pasture   | orses and Mis  | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65 29.74 4.2 1.0   | 22,248  Expense, 32 most profit- able farms*  2308 3372 200  \$19.02 9.89 3.98 32.89  4.6 .9 308.9   | 28,000  1940 32 least profit— able farms*  2155 4022 250  \$16.31 10.54 3.33  30.18  |
| Feed Costs for H  Items Feed per horse, ** lbs.: Grain Hay Fodder and stover  Feed costs per horse: Grain Roughage Pasture  TOTAL FEED COSTS  Number of work horses  Crop acres per farm   | orses and Mis  | c. Power a   | 25,124  and Machiner Average of 163 farms*  2093 3459 183  \$16.74 9.35 3.65 29.74  4.2 1.0 213.1  | 22,248  **Y Expense, 32 most profit— able farms*  2308 3372 200  \$19.02 9.89 3.98  32.89  4.6 .9 308.9  | 28,000  1940 32 least profit— able farms*  2155 4022 250  \$16.31 10.54 3.33  30.18  4.6 1.1   |

<sup>\*</sup> Two farms did not have horses.
\*\*Two colts equal one horse.

| Farm Produ | ice Used | in | House | and | House | Rental | 1.940 |
|------------|----------|----|-------|-----|-------|--------|-------|
|------------|----------|----|-------|-----|-------|--------|-------|

|  |              | Quant   | ities   |                             |              | Valu   | е   |  |
|--|--------------|---|---|-----------------------------|--------------|--|---|--|
| Comments of the Comments of th | Your<br>farm | Average<br>165<br>farms   |   | 33 least<br>profit-<br>able | Your<br>farm | Average<br>165<br>farms  |   | 33 least profitable  |
| Items  |              | Tarms   | farms   | farms                       |              | 1711115  | farms   | farms  |
| Wholemilk Skimmilk Cream Farm made butter Eggs Cattle Hogs Sheep Poultry Potatoes Vegetables & fruit Farm fuel Rental vl.of house Misc. (wool, honey, e  |              | 1083 qts.<br>492 qts.<br>307 pts.<br>15 lbs.<br>172 doz.<br>408 lbs.<br>585 lbs.<br>13 lbs.<br>134 lbs.<br>18 bu. | 1336<br>627<br>341<br>18<br>199<br>489<br>723 | 1285 \$<br>213<br>306       |              | 25. 35<br>30. 84<br>30. 49<br>. 86<br>14. 81<br>10. 93<br>39. 11<br>28. 29 | \$34.66<br>2.02<br>29.55<br>5.30<br>30.32<br>39.44<br>38.15<br>40<br>16.30<br>12.91<br>43.14<br>32.64 | \$35.32<br>.72<br>.27.78<br>.3.73<br>.22.11<br>.18.36<br>.25.87<br>.2.33<br>.14.82<br>.10.25<br>.36.13<br>.27.39<br>.250.06<br>.26 |
| Total  |              |   |   |                             |              |  | 555.29  | 475.13   |

Household and Personal Expenses For

| Those Farms Which Kept Complete Accounts   | of these Exp  | enses, 19  | 40  |
|--|---|--|---|
| Your farm  | Average   | 26 most<br>profit-<br>able<br>farms  | 26 least<br>profit-<br>able<br>farms  |
| Number of persons - family   | 4.6   | 5.4  | 4.2   |
| Number of persons, (Family adult equivalent (Other*  | 3.5   | 4.3<br>1.0   | 3.2   |
| Food and meals bought Operating and supplies Clothing and clothing materials Personal care, personal spending Furnishings and equipment Education, recreation and development Medical care and health insurance Church, welfare, and gifts Personal share of auto expense Household share of elect. & gas eng. exp. H.H.& pers. shr. of new auto, gas eng. & motors bot Life insurance and other investments | \$330<br>130<br>176<br>63<br>117<br>102<br>98<br>109<br>104<br>34<br>110<br>248 | \$390<br>173<br>236<br>82<br>144<br>168<br>155<br>229<br>129<br>34<br>195<br>486 | \$298<br>112<br>147<br>57<br>95<br>65<br>71<br>73<br>107<br>32<br>84<br>112 |
| Total household and personal cash expenses   | 1,621   | 2,421  | 1,253   |
| Food furnished by the farm Fuel furnished by the farm House rental   | 216<br>28<br>245  | 261<br>34<br>285   | 203<br>26<br>245  |
| Total household and personal expenses  | 2,110   | , 3,001  | 1,727   |

<sup>\*</sup>Hired help or others boarded.

Miscellaneous Information - Averaged by Counties - 1940

| Item Br                                | own Cottor       | n- Fari-<br>bault | Jackson         | lincol       | n Lyon       |
|--|------------------|-------------------|-----------------|--------------|--------------|
| Operator's labor earnings \$2          | 008 \$2120       | \$1775            | \$2148          | \$2341       | \$1550       |
|  | 368 <b>854</b> 8 |                   | ,               | 6953         |              |
|  | 052 6718         |                   | 4417            | 3766         | 478          |
| Average farm inventory \$29            | 924 \$28924      |                   | \$28449         | \$28870      | \$31830      |
| m                                      | 7 7 770 7        | ar r              | 00 (            | 3.5.5.7      | 770          |
|  | 3.3 112.3        | 85.5              |                 | 155.7        | 132.         |
| · ·                                    | 5.1 63.3         |                   | 61.6            |              | 83.          |
|  | 25.0             |                   |                 | 21.3         | 27.          |
|  | 6.7 23.0         |                   | 14.8            |              | 23.<br>334.  |
|  | 3.6 254.3        |                   | 228.5           |              |              |
|  | 7.8 88.3         |                   |                 | 75.8         | 84.          |
| % of prod. animal units that are dairy | 45.2             |                   | 48.2            | 50.3         |              |
|  | 23.6 21.6        |                   |                 |              |              |
|  | 2.6 15.2         |                   |                 |              |              |
|  | 1.2 .9           |                   |                 |              | 8.           |
|  | 26.6 31.8        |                   |                 | 3.0          | 10.          |
|  | 3.0 2.3          |                   |                 |              | 8.           |
| sheep - feeders                        | 0 1.7            |                   |                 |              | 2.           |
| hogs                                   | 22.1 15.8        |                   |                 | 18.9         |              |
|  | 6.8 3.9          |                   | 1.2             | 0,           |              |
| hens                                   | 4.1 6.8          | 3.4               | 3.0             | 4.7          | 5.           |
|  | Marti            | n Murray          | Nobles          | Red-<br>wood | Wator<br>wan |
|  |                  | 4                 |                 | 4 ·          |              |
| Operator's labor earnings              | \$2127           | \$2111            | \$2607          | \$2314       |              |
| Total farm sales                       | . 9464           | , -               | 10699           | 10083        |              |
| Total farm purchase                    | <b>5</b> 333     | 4137              | 8320            | 7398         | 747          |
|  |                  | \$26269           | 676060          | 339356       | #7001        |
| Average farm inventory                 | \$35761          | \$2020Y           | <b>\$</b> 50208 | ספנפני       | دعاره        |
| Total acres in small grain             | 75.4             | 115.5             | 110.5           | 168.5        | 78.          |
| Total acres in cultivated crops        | 85.5             | 65.0              | . 80.9          | . 88.8       | 59           |
| Total acres in tillable hay            | 19.0             |                   | 32.9            | 36.9         | 23.          |
| Total acres in tillable pasture        | 27.3             | 22.6              | 27.9            | 27.3         |              |
| Total acres in farm                    | 230.0            |                   | 285.9           | 399.3        | 240,         |
| % land tillable                        | 90.2             |                   |                 | 86.1         | 80           |
| Animal units of productive livestock   | 54.4             |                   | 70.3            | 79.2         | 39           |
| % of prod. animal units that are dairy |                  | J-1               | ( - )           | ,,,,,        |              |
| and dual purpose cows                  | 18.6             | 22.6              | 20.0            | 23.0         | 21           |
| other dairy and dual purpose cattle    | 12,7             |                   | 13.3            | 12.2         | 10           |
| beef cattle - breeding herd            | 13.8             |                   | 9.8             | 8.4          | 20           |
| beef cattle - feeders                  | 17.3             |                   | 15.3            | 24.5         | 1            |
|  | 5.6              |                   | 2.0             | 5.4          | 5            |
| sheep - farm flock                     | .1               |                   | 9.1             | 1.7          | 5            |
| shoop - feeders                        |                  |                   | _               | 21.2         | 23           |
| hogs                                   | 27.8             |                   | 21.1            |              |              |
| # 53 561 F / C 4 F / C                 | •3               | . 0               | 6.1             | 0            | 6            |
| turkoys<br>hens                        | 3.8              |                   | 3.4             | 3.6          | 71           |

| Miscellane   | <u>ous Informa</u>                    | tion (Cor                    | ntinued)                                   |   |                                     |
|--|---------------------------------------|------------------------------|--|---|-------------------------------------|
| Item   | Brown                                 | Cotton-<br>wood              | Fari-<br>bault                             | Jackson Line  | oln Lyon                            |
| Crop yields - % of average   | 110                                   | 101                          | 105  | 107   |                                     |
| % till. land in high ret. cr<br>Index of ret. from livestock   |                                       | 37.6<br>95                   | 40.6<br>98                                 | 36.4 31.<br>100 10  |                                     |
| Amount of livestock per 100 .<br>Work units<br>Work units per worker<br>Expenses per work unit   | A. 26.1<br>566<br>249<br>\$2.29       | 22.0<br>489<br>247<br>\$2.35 | 26.3<br>529<br>280<br>\$2.26               | 23.0 15.<br>504 66<br>235 26<br>\$2.05 \$1.8                      | 5 561<br>6 244                      |
| Yield per acre, flax, bu. Yield per acre, barley, bu. Yield per acre, cats, bu. Yield per acre, corn, grain, Yield per acre, corn silage, Yield per acre, alfalfa hay, | 41.4<br>69.1<br>bu. 49.1<br>tons 10.2 | 45.8<br>68.6<br>47.5         | 13.6<br>47.4<br>59.5<br>48.9<br>8.3<br>2.5 | 15.6 11.<br>47.5 33.<br>61.7 57.<br>50.0 41.<br>10.0 6.<br>2.1 1. | 0 34.6<br>4 54.0<br>9 43.4<br>5 6.8 |

|                              |                                  |                                       | 1  |                              |             |  | terratura en la companya de la comp |  | Alband kan<br>Marka                          |  |
|------------------------------|----------------------------------|---------------------------------------|--|------------------------------|-------------|--|--|--|--|--|
|                              | <del></del>                      | ·                                     | <del>:</del>                                 |                              | <del></del> | Martin                                     | Murray   | Nobles                                     | Redwood                                      | Watonwan                                   |
| % ti                         | .11. 1:                          | and in                                | high   | verage<br>ret. cr<br>vestock | ops         | 109<br>37.8<br>105                         | 82<br>37.2<br>111  | 101<br>34.8<br>105                         | 91<br>33.1<br>93                             | 110<br>3 <sup>4</sup> .1<br>98             |
| Work<br>Work                 | unit:                            | lives<br>s<br>per vo                  | worker                                       |                              | 7.13        | 25.4<br>592<br>264<br>\$2.00               | 19.8<br>561<br>306<br>\$1.93   | 25.9<br>642<br>280<br>\$1.89               | 19.2<br>667<br>250<br>\$2.76                 | 18.8<br>479<br>266<br>\$2.06               |
| Yiel<br>Yiel<br>Yiel<br>Yiel | d per<br>d per<br>d per<br>d per | acre,<br>acre,                        | barle<br>oats,<br>corn,                      | y, bu                        | tons        | 13.6<br>55.0<br>66.8<br>51.2<br>9.5<br>2.2 | 10.1<br>39.2<br>57.2<br>35.4<br>7.4<br>1.5   | 17.7<br>49.2<br>53.4<br>44.0<br>8.6<br>1.7 | 12.8<br>37.6<br>52.6<br>44.9<br>7.7<br>2.0   | 13.0<br>37.4<br>68.6<br>49.9<br>6.9<br>2.4 |
|                              |                                  |                                       |  |                              |             |  |  |  |  |  |
| •                            | • • •                            |                                       |  |                              | · • • · ·   |  |  |  | da da la |  |
|                              |                                  |                                       |  |                              |             |  |  | en e   |  |  |
| •                            | 1 kg                             | · · · · · · · · · · · · · · · · · · · | v.*<br>• • • • • • • • • • • • • • • • • • • |                              |             |  |  |  |  |  |
| ъ.                           |                                  |                                       |  | •                            |             |  |  |  | 1.0  |  |