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and
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Third Annual Report of the Southwest Minnesota Farm Management Service of Brown, Cottonwood, Faribault, Jackson, Lincoln, Lyon, Martin, Murray, Nobles, Plpestone, Redwood, Rock, and Watonwan Counties for the Year 1942

Prepared by T. R. Nodiand, G. I. Toben, and G. A. Pond

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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 thru farm records. Jach farmer pays on 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 proparation of this meterial was furnished by workers supplied on N.Y.A. Student Work Project No. 493m70. Sponsor: University o Minnesota.

The analysis of the records and the preparation of the reports are handled by the Division of Agricultural Economics under the direction of $G$. A. Pond, $T$. R. Nodland, and G.E. Toben. Field organization is handed by the Extension Division with S. B. Cleland and J. B. Mcivulty in charge of this work. Ross Huntsinger was the fieldman in 1942. Oounty agricultural extension agents who cooperate in this project include Pául Kunkel, E. C. Rogers; C. G. Gaylord, Roland Abraham, T. G. Fuller, F.J. Meade, S. B. Simpson, A. B. Hagen, C. E. Stower, C. C. Chase, J. I. Swedberg, C.R.Simon, and Wayne Hanson.

The officers for the Southwest Farm Management Association for 1942 were:

> President, Milford Davis, Reading, Nobles County Vice-President, W. J, Marsh, Madelia, Watonwan County Secretary-Treasurer, Arthur Foster, Garvin, Murray County

The board of directors include these officers and also the following: Alex Best, Brown county; Wm. Golly, Cottonwood county; Stanley Hanks, Faribault county; A. C. Irvine, Jackson countys Floyd Peterson, Incoln county; E. C. Hodges, Iyon county, M. E. Teeter, Mertin county; Paul Cunningham, Pipestone county; Wm. Poulsen, Redwood county; and I. J. Noeller, zock county.

The following tabulation shows by counties the numbers of members who completed records.in 1942:

| Brown | Lincoln |  | Nobles | 29 |  |
| :--- | :--- | :--- | :--- | :--- | ---: |
| Cottonwood | 10 | Iron | 10 | Pipestone | 7 |
| Faribault | 17 | Martin | 13 | Redwood | 26 |
| Jackson | 14 | Murray | 12 | Rock | 8 |
|  |  |  |  |  | Wetonwan |
|  |  |  |  | 10 |  |
|  |  |  |  |  |  |

In the tables on page 4 and succeeding pages are shown data for 165 farms. Five farms heve been onitted from all of the averages in the tables because they differed widely in type from the others or were not sufficiently complete for a full analysis.。

## TYPE OF FABMING*

The farms in this area have a wide diversity of enterprises. All classes of livestock are importent 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, oats, barley, and hay. In addition wheat, sweet corn, canning peas and fléx are grown to a limited extent as cash crops.

TOPOGRAPHY, SOIIS, AND WEATHER
The soils range from dark brown to heavy black loam. The major parts 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 of the land is tillable and well drained.

No unusually high or low temperatures occurred in 1942. Weather conditions were favorable for early spring farm activities; however, cool wet weather in May retarded growth of vegetation, and the planting of corn and other late crops was seriously delayed. Favorable weather conditions in June permitted field work to progress rapidly. Small grain and grasses did well in June and July, but it was too cool for warm weather crops. Rust damage occurred with fle suffering the most. Heavy rains
*For a more complete description of the area see Bigene, S, A., and Pond, G. A., "Agricultural Production and Types of Farming in Minnesota," Minn. Bul.34\%, May, 1940*
caused considerable damage and delayed haying and harvesting of small grain. Heavy rains, snow, and a hard freeze on September 24 damaged late corn and soybeans. Fortunately, ideal October weather lessened the effect of the September freeze.

Table 1. Monthly and Annual Precipitation

|  | Worthington |  | Fairmont |  | New 71 m |  | Redwood Falls |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Precip-: | Depar- | Frecip | Depar- | Precip- | Depar- | Precip- | Depar- |
|  | itation | ture from normal. | itation | ture from normal | itation | ture from normal | itatio | ture from normal |
|  | Inches | Inches | Inches | Inches | Inches | Inches | Inches | Inches |
| January | 0.19 | -0.44 | 0.05 | -0.75 | 0.20 | -0.93 | 0.00 | -0.73 |
| February | 0.41 | -0.36 | 0.22 | -0.75 | 0.35 | -0.71 | 0.30 | -0.57 |
| March | 4.55 | +5.29 | 2.27 | +0.86 | 4.67 | +3.06 | 2.83 | +1.58 |
| April | 1.26 | -0.82 | 1.44 | -0.79 | 1.73 | -0.46 | 1.62 | -0.31 |
| May | 6.36 | +2.42 | 3.83 | -0.22 | 6.21 | +2.64 | 4.60 | 11.74 |
| Jue | 5.57 | +1.28 | 3.06 | -1.28 | 2.98 | -1.67 | 2.57 | -1.92 |
| July | 4.14 | 10.75 | 4.45 | +0.89 | 3.41 | -0.27 | 1.84 | -1. 20 |
| August | 4.52 | +0.76 | 4.70 | +0.96 | 1.40 | -2.15 | 1.48 | -1.50 |
| September | 4.66 | +1.12 | 3.62 | -0.01 | 6.66 | $+3.07$ | 4.63 | +1.77 |
| October | 0.80 | -0.89 | 1.00 | -0.85 | 0.26 | -1.90 | 0.39 | -1.28 |
| November | 0.51 | -0.66 | 0.39 | -1.12 | 0.48 | -0.83 | 0.33 | -0.88 |
| December | 0.50 | -0.11 | 0.95 | $+0.05$ | 1.28 | +0.38 | 0.43 | -0.65 |
| 1942 Total | $\overline{33.47}$ | $\overline{46.34}$ | 25.98 | $\underline{-3.01}$ | $\overline{29.63}$ | $\overline{+0.23}$ | 21.02 | $-7.95$ |
| 1941 Total | 28.22 | +1.09 | 32.92 | $+3.93$ | 34.94 | $+5.54$ | 26.07 | +1.10 |
| 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 |  |  |  |  |  |  | 12\% |  |
| Annual Prec. | 27.13 |  | 28.99 |  | 29.40 | ". ${ }^{\text {a }}$ | 24.97 |  |

## RECORDS KEPPT

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 thirteen 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 was owned by its operator; however. each tenant is supplied a statement of his eamings on the basis of the rental system under which he is operating.

Table 2. Summary of Farm Inventories (Beginning of Year), 1942

| Items | $\begin{aligned} & \text { Your } \\ & \text { farm } \end{aligned}$ | $\begin{aligned} & \text { Average } \\ & \text { of } 165 \\ & \text { farms } \end{aligned}$ | $\begin{aligned} & 33 \text { most } \\ & \text { profitable } \\ & \text { farms } \end{aligned}$ | 33 least profitable farms |
| :---: | :---: | :---: | :---: | :---: |
| Size of form (acres) |  | 284 | 424 | 233 |
| Size of business (work units)* |  | 624 | 890 | 436 |
| Horses | \$ | \$ 335 | \$ 412 | \$ 306 |
| Productive livestock (total) |  | 6,277 | 11,216 | 3,952 |
| Dairy and dual-purpose cows |  | 660 | 619 | 560 |
| Other dairy \& dual-purpose cattle |  | 367 | 321 | 278 |
| Beef cattie (including feeders) |  | 2,710 | 5,414 | 1,413 |
| Hogs |  | 1,534 | 2,377 | 1,077 |
| Sheep (including feeders) |  | 854 | 2,340 | 476 |
| Poultry (including turkeys ).. |  | 152 | 145 | 146 |
| Crop, seed, and feed |  | 4,244 | 6,818 | 2,593 |
| Mach. \& equipment "(total) |  | 3,134 | 4,841 | 2,369 |
| Power mach. (f. share) |  | -1,191 | 1,756 | 931 |
| Crop \& gen. mach. (f. share) |  | - 1,501 | 2,405 | 1,119 |
| Livestock equip. \& supplies |  | 442 | 680 | 319 |
| Buildings; fences, etc. |  | 7,383 | 9,620 | 6,571 |
| Land |  | 15,304 | 23,280 | 11,699 |
| Total farm. capital . | \$ | \$36,677 | \$56.187 | \$27,490 |

*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 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Dairy and dualpurpose cows | cow | 13.5 | Small grain <br> Soybeans for grain | $\begin{aligned} & \text { acre } \\ & \text { II. } \end{aligned}$ | $\begin{aligned} & .7 \\ & .9 \end{aligned}$ |
| Other dairy \& dual-) |  | 4.0 | Sugar beets | 11. | 3.0 |
| purpose cattle ) | animal |  | Sweet corn | 11 | 2.5 |
| Beef breeding herd) | unit* | 4.0 | Corn, husked | " | 1.3 |
| Sheep - farm flock) |  | 1.6 | Corn, hogged | 11 | . 8 |
| Hens | 100 hens | 26.0 | Corn, shredded | 11 | 2.5 |
| Feeder cattle . |  | … 3.35 | Corn silage | 11 | 1.9 |
| Feeder sheep : | 100 lbs. | . 4 | Corn fodder | 11 | 1.3 |
| Hogs | produced | .25 | Alfalfa hay | 11 | 1.0 |
| Turkeys $\quad \therefore \quad \therefore$ ) |  | .7 | Soybean hay | 1 | 1.4 |
| Canning peas | acre | 2.0 | Other hay crops | 11 | . 6 |

*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 Ibs turkeys produced.

Table 3. Summary of Farm Inventories (End of Year), 1942

| Items | Your farm | Average of 165 farms | 33 most profitable farms | ```33 least profitable farms``` |
| :---: | :---: | :---: | :---: | :---: |
| Horses $\$$ | \$ | \$ 338 | \$ 445 | \$ 282 |
| Productive livestock (total) |  | 7,748 | 14,260 | 4,628 |
| Datiry \& dual-purpose cows |  | 670 | 666 | 548 |
| Other dairy \& dual-purpose cattle |  | 399 | 276 | 341 |
| Beef cattle (including feeders) |  | 2,872 | 5,900 | 1,476 |
| Hogs |  | , 2,477 | ㄱ.. 4, 412 | 1,548 |
| Sheep (including feeders) |  | 1,003 | 2,988 | 445 |
| Poultry (including turkeys) |  | 227 | 218 | 270 |
| Crop, seeds, and feed |  | 4,781 | 8,404 | 2,468 |
| Mach. \& equipment (total) |  | 3,366 | 5,057 | 2,510 |
| Power machinery (farm share) |  | 1,227 | 1.735 | 954 |
| Crop and gen. machinery |  | 1,636 | 2,624 | 1,220 |
| Livestock equipment \& supplies |  | 503 | 708 | 336 |
| Buildings, fences, etc. |  | 7.342 | 9,683 | 6,395 |
| Land: |  | 15,304 | 23,280 | 11,699 |
| Total farm capital | \$ | \$38,779 | \$61,139 | \$27,982 |

Teble 4. Summary of Amount of Livestock

[^0]Table 5. Summary of Farm Barnings (Cash Statement), 1942

| Items $\because \quad \therefore \quad$ Your | $\begin{aligned} & \text { Average } \\ & \text { of } 165 \\ & \text { farms } \end{aligned}$ | $\begin{aligned} & 33 \text { most } \\ & \text { profitable } \\ & \text { ferms } \end{aligned}$ | 33 least <br> profitable <br> farms |
| :---: | :---: | :---: | :---: |
| FARM EXPENSES |  |  |  |
| Horses bought $\$$ | \$ 49 | \$ 67 | \$ 32 |
| Dairy and dual-purpose cows bought | 75 | 71 | 55 |
| Other dairy \& dual-purpose cattle bought | 66 | 31 | 35 |
| Beef cattle bought (including feeders) | 1,718 | 3.535 | 750 |
| Hogs bought | 339 | 667 | 177 |
| Sheep bought (including feeders) | 866 | 2,524 | 128 |
| Poultry bought (including turkeys) | 138 | 291 | 91. |
| Misc. crop expenses | 377 | 600 | 303 |
| Feed bought | ,2,235 | 4,616 | 1.293 |
| Power mach. (farm.share) (new) | 256 | 259 | 237 |
| Power mach. (farm share) (upkeep) | 533 | 731 | 391 |
| Custom work hired, | 199 | 176 | 162 |
| Grop and general mach. (new) | 387 | 643 | 262 |
| Crop and general mach. (upkeep) | 135 | 183 | 104 |
| Livestock equipment (new) | 134 | 165 | 59 |
| Iivestock equipment (upkeep) | 57 | + 90 | 40 |
| Misc: Livestock experse | 148 | 231 | 105 |
| Buildings and fencing (new) | 327 | 513 | 221 |
| Buildings and fencing (upkeep) | 156 | 189 | 123 |
| Hired labor | 622 | 1,020 | 430 |
| Taxes | 355 | 501 | 292 |
| Insurance | 35 | 43 | 27 |
| General farm | 60 | 60 | 49 |
| (1) Total farm purchases | \$9:267 | \$17,206 | \$5,366 |
| (2) Decrease in farm capital | - - | - | - |
| (3) Board furnished hired labor | 143 | 227 | 93 |
| (4) Interest on farm capital | 1.886 | 2,933 | 1,387. |
| (5) Unpaid family labor | 350 | 468 | 242 |
| (6) Total farm expenses (Sum of (1) to (5) | \$11,656 | \$20,834 | \$7,088. |
| FARM RECEIFTS |  |  |  |
| Horses . . . | \$ 47 | \$. 42 | \$ 58 |
| Dairy and dual-purpose cows | 256 | 285 | 220 |
| Deiry products | 804 | 808 | 589 |
| Other dairy and dual-purpose cattle | 190 | 143 | 121 |
| Beef cattle (including feeders) | 3,860 | 7,901 | 1,800 |
| Hogs : | 4,336 | 7,086 | 2,480 |
| Sheep and, wool (including feeders) | 1,402 | 3,994 | 448 |
| Poultry (including turkeys) | 598 | 1,508 | 172 |
| Bges | 589 | -586 | 532 |
| Corn. | 625 | 1;13\% | 486 |
| Small grain | 1,120 | 1,899 | 865 |
| Other crops | 366 | 561 | 162 |
| Power machinery sold | 71 | 77 | 71 |
| Crop and gen. mach. sold | 62 | 124 | 28 |
| Misc: | 166 | $35 \%$ | 63 |
| Income from work off the farm | 163 | 165 | 35 |
| Agricultural Adjustment payments | 503 | 696 | 394 |
| (7) Total farm sales - | \$15,158 | \$27,469 | \$8,524 |
| (8) Increase in farm capital | 2,102 | 4,952 | - 492 |
| (9) Family living from farm, | 584 | 688 | 515 |
| (10) Total farm receipts (7) $+(8)+(9)$ (6) Total farm expenses(11) | \$17,844 | \$33,109 | \$9,531 |
|  | 11,656 | 20,834 | 7,088 |
| (11) Operator's labor earnings (10) - (6) | 6,188 | 12,275 | 2,443 |


(A) Cash receipts and expenses are adjusted for changes in inventoraw 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 operatorls labor earnings are the same as those in Table 5.

## ANALYSIS OF THE REASONS FOR DIFFBRENCAS IN OPERATOR'S BARNINGS

The operator's labor earnings varied widely among the farmers included in this study. The average labor earnings of those farmers ranking in the upper 20 per cent in the range according to earnings was $\$ 12,275$ and of those in the lower 20 per cent was $\$ 2,443$. This is a range of $\$ 9,832$ between the average earnings of these two groups. Some of the causes for these differences in earnings may be beyond the control of the farmer. However, all of these farmers could make some changes in their farming operations which would increase earnings. A farmerean secure some ideas as to changes that could profitably be made on his farm by studying the facts about his business as presented in this report and comparing his accomplishments with other farmers following the same general type of farming. The more important management factors affecting earnings and their relationships with earnings are presented in the following tables.

Table \%. Relation of Crop Yields to Farm Earnings
$\left.\begin{array}{lcc}\begin{array}{l}\text { Fer cent crop yields } \\ \text { were of the average } \\ \text { for all } 165 \text { farms }\end{array} & \begin{array}{c}\text { No. of } \\ \text { farms }\end{array} & \begin{array}{c}\text { Average operator's } \\ \text { labor earnings }\end{array} \\ \hline \text { Group } & \text { Average }\end{array}\right]$

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 8. Relation of Choice of Crops to Farm Barnings

| Per cent of tillable land <br> in high return crops* | No. of | Average operatoris |  |
| :--- | :---: | :---: | :---: |
| Group | Average | farms | labor earnings |

> *Crops are marked on page 14 as (A), (B), (C), and (D). All of acres in (A) crops, onewhalf of acres in (B) crops, and onefourth of acres in (C) crops are used in calculating per cent of tillable land in high return crops.

Farmers! earnings are affected by the choice of crops as well as by the yields of crops. As a rule, on these farms, such crops as alfalfa, clover, canning crops, sugar beets, corn, and flex 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.


The majority of these forms are livestock farms. 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 constitutes an imm portant 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 animel and economy in the use of feed and lebor are important. Other factors of considerable importance are kind of feed used, quality of pastures, balance of ration, degree of sanitation and kind of shelter and equipment.

Table 10. Relation of Amount of Productive Livestock to Farm Barnings

| Productive livestock <br> units per 100 acres* | No of <br> farms | Average operator's <br> labor earnings |  |
| :--- | :---: | :---: | :---: |
|  |  |  |  |
| Group | 12.3 | 34 | $\$ 5,130$ |
| Below 16.0 | 22.7 | 90 | 5.757 |
| $16.0-29.9$ | 39.4 | 41 | 8.012 |

*Acres in timber not pastured, roeds, waste and farmstead
were not included.
On some farms the returns from livestock are so low that they do not cover feed and other costs. Such livestock is unprofitable, especially if there is more than enough to utilize what would otherwise be wastefeedo. If the livestock is yieqding a net return, an increased amount of livestow adid to sterofasiness and the opportunity to increase the farm earnings. Jnyestock prowoses manure and aids in keeping up the fertility of the land, and utatyoswaste products on the farm. Livestock also helps to provide productive empogtent throughout the year. Any method that aids in utilizing the available resources to full and efficient capacity should add to the farm income."

| Table ll. Relation of Size of Business (Work Units) to Farm Barnings |  |  |  |
| :---: | :---: | :---: | :---: |
| No. of work units |  | NO. Of | Averace operetorts |
| Group | Average | farms | labou earatags. |
| Group | 343 | 31 | \$3.429 |
| 400-699 | 549 | 89 | 5,355 |
| 700 and above | 964 | 45 | 9.736 |

The size of the farming operations is one of the important factors affecting the earnings of farmers. On the average, the farmers with a large business had larger earnings than the farmers with a small business. The size of thie farm business is here measured in terms of the number of work units. 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 evailable 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.

Table 12. Relation of Anount of Work Accomplished per Worker to Farm Earnings

| Work units per worker | Average | No. of |
| :--- | :---: | :---: |
| Group | farms | Average operator's |
| Below 235 | 195 | 37 |
| $235-319$ | 279 | 94 |

Farmers' earnings are generally higher on those farms on which a large amount of work is accomplished per worker. More days of productive work accomplished per worker reduces the labor charge per unit of business. Higher labor accomplisment 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 laborsaving machinery help to increase the work accomplished per worker.

Table 13. Relation of Power, Machisery, Equipment and Building Expense to Farm Earnings*


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.

It is quite evident from this report that few farmers have a monopoly on erficiency. 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 mediun 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 14.

Table 1.4. Relation of Operator's Labor Farnings to the Number of Pactors in which the Farmer Is Above Average


The array in Table 14 indicates that it will be worth-while 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.

Table 15. Measures of Farm Organization and Management Efficiency, 1942

| Measures used in charton page 13Your <br> farm | Average <br> of 165 <br> farms | 33 most profitable farms | 33 least profitable farms |
| :---: | :---: | :---: | :---: |
| Operators labor earnings $\$$ | \$6,188 | \$12,275 | \$2,443 |
| (1) Crop yields* | 100 | 109 | 90 |
| (2) \% of tillable land in high return crops** | 38.9 | 40.6 | 37.5 |
| (3) Ret. for $\$ .100$ feed to productive livestock*** | 100 | 112 | 90 |
| (4) Productive livestock units per 100 acres**** | 24.7 | 29.5 | 21.1 |
| (5) Size of business - work units | . 624 | 897 | 430 |
| (6) Work units per worker | 281 | -321 | 241 |
| (7) Pow., mach., equip., \& bldg.exp.per work unit \$.... | \$2.90 | \$2.54. | \$3.50 |

Measures and items related to some of the above measures:
(3) Index of return for $\$ 100$ feed from Dairy cattle Dual-purpose cattle Beef cattle - breeding herd

Beef cattle - feeders Hogs Sheep - farm flock

Sheep - feeders
Turkeys
Chickens

| , | 100 | 109 | 98 |
| :---: | :---: | :---: | :---: |
|  | 100 | 116 | 89 |
|  | 100 | 105. | 89 |
|  | 100 | 111 | 81 |
| - | 100 | 109 | 92 |
| . | 100 | 124 | 96 |
|  | 100 | 123 | 96 |
|  | 100 | 104 | - |
|  | 100 | 102 | 99 |
|  | 219 | 318 | 164 |
|  | 364 | 538 | 257 |
|  | 41 | 41 | 9 |
|  | 2.3 | 2.9 | 1.0 |
|  | 1.5 | 1.7 | 1.3 |
|  | . 8 | 1.2 | - 6 |
| \$ | \$1.48 | \$1.29 | \$1.69 |
|  | . 57 | . 49 | . 66 |
|  | . 19 | . 22 | . 20 |
|  | . 66 | . 54 | . 95 |

*Given as a percentage of the average.
**Crops are marked in Table 16 as (A), (B), (C) and (D). All of acres in (A) crops, one half of acres in (B) crops, and one-fourth of acres in (C) crops are used in calculating per cent of tillable land in high return crops.
***An index weighted by the animal units of livestock.
****Acres in timber not pastured, roads, waste and farmstead were not included.

Thermometer Chart
Using your figures from page 12 locate your standing with respect to the various measures of farm organization and mandgement efficiency. The averages for the 165 farms included in this sumnary are located between the dotted lines across the conter"of this page.


Table 16. Distribution of Acres in Farm, 1942

| Crop: (A) (B) (C) and (D) refer | No. | Your | Average | 33 most |
| :--- | :--- | :--- | :--- | :--- |
| to ranking used in calculating | growing | farm | of 165 | profit- profit- |
| \% of tillable land in High | farms | able | able |  |
| Return Crops (see page l2) |  | this |  |  |


| Canning peas . $\quad$ (A) | 9 |  | 1.2 | 1.8 | . 2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Flax. $B$ | 146 |  | 37.1 | 60.9 | 29.4 |
| Barley $\quad$ (c) | 88 |  | 15.4 | 27.7 | 13.6 |
| Barley and oats (C) | 14 |  | 4.5 | 1.1 | 1.6 |
| Wheat (D) | 30 |  | 1.9 | 1.6 | 2.9 |
| Oats - $\quad$ (D) | 140. |  | 30.5 | 35.1 | 25.1 |
| Oats and wheat (D) | 10 |  | 1.6 | 2.7 | 2.3 |
| Rye : ${ }^{\text {a }}$ (D) | 10 |  | . 8 | . 5 | 1.5 |
| Soybeans for grain $\quad$ (D) | 88 |  | 11.0 | 16.4 | 5.6 |
| Miscellaneous | 6 |  | . 3 | . 1 | . 3 |
| Total .Sma, 11 Grain and Peas | 165 |  | 104.3 | 147.9 | 82.5 |
| Sugar beets, hybrid seed corn, potatoes and truck crops | 66 |  | 1.7 | 3.1 | 1.0 |
| Sweetcorn (B) | 10 |  | 1.1 | 1.0 | . 6 |
| Corn grain (B) | 164 |  | 69.2 | 100.1 | 46.0 |
| Corn silage (c) | 80 |  | 5.7 | 9.9 | 4.1 |
| Corn fodder : (D) | 44 |  | 2.0 | 1.7 | 5.1 |
| Total cultivated crops | 165. |  | 79.7 | 115.8 | 56.8 |
| Alfalfa hay | 158 |  | 21.9 | 31.3 | 17.1 |
| Sweet clover hay (B) | 7 |  | . 5 | 1.9 | - |
| Soybean hay $\quad \therefore$ (0) | 15 |  | . 6 | 1.1 | . 9 |
| Mixed legunes \& non-legumes (c) | 58 |  | 4.6 | 5.2 | 2.5 |
| Legunes for seed (C) | 6 |  | . 4 | - | . 1 |
| Timothy andor brome (D) | 20. |  | . 8 | 1.1 | 1.2 |
| Tinothy seed : ${ }^{\text {a }}$ (D) | 2 |  | . 1 | . 3 | . 1 |
| Other annual hay (D) | 15 |  | .9 | 1.8 | 1.4 |
| Total tillable land in hay | 164 |  | 29.8 | 42.7 | 23.3 |
| Alfalfa pasture (A) | 63 | : | 2.2 | 2.6 | 1.0 |
| Sweet clover pasture (B) | 34 |  | 4.8 | 9.0 | 6.3 |
| Mixture inclo alf., sweet clover, brone(B) | 46 |  | 6.0 | 6.5 | 4.0 |
| Other legumes and mixtures: (C) | 45 |  | 3.8 | 4.4 | 2.4 |
| Sudan grass and/or rape (c) | 63 |  | 2.8 | 4.1 | 1.4 |
| Other tillable pasture : (D) | 79 |  | 7.5 | 10.6 | 6.8 |
| Total tillable land in pasture | 162 |  | 27.1 | $3 \% .2$ | 21.9 |
| Tillable land not cropped: (D) | 63. |  | 3.5 | 5.1 | 4.0 |
| Total tilleble land |  |  | 244.4 | $3 \pm 8.7$ | 188.5 |
| Phalaris hay (non-tillable) | 7 |  | . 2 | . 4 | .3 |
| Wild hay (non-tillable) | 56 |  | 4.5 | 7.2 | 4.9 |
| Non-tillable pasture | 112 |  | 22.1 | 41.2 | 21.9 |
| Timber ( $n o t$ pastured) | 28 |  | 1.2 | 1.0 | 1.8 |
| Roads and waste |  |  | 9.5 | 13.4 | 6.9 |
| Farmstead |  |  | 9.1 | 11.7 | 8.3 |
| Total acres in farm |  |  | 291.0 | 423.6 | 232.6 |
| \% land tillable |  |  | 85.3 | 85.2 | 82.3 |
| \% tillable land in high quturn crops |  |  | 38.9 | 40.6 | 37.5 |

Table 17. Crop Yields per Acre, 1942


Table 18. Factors of Cost and Returns from Dairy Cows, 1942

| Itens | Your <br> farm | $\begin{aligned} & \text { Average } \\ & \text { of } 61 \\ & \text { farms } \end{aligned}$ | 12 farms <br> highest in butterfat per cow | 12 farms lowest in butterfat per cow |
| :---: | :---: | :---: | :---: | :---: |
| Pounds of butterfat per cow |  | 250 | 318 | 188 |
| Feeds per cow, lbs.: |  |  |  |  |
| Corn |  | 1,621 | 2,003 | 1,501 |
| Small grain |  | 927 | 959 | 800 |
| Com. feeds - ünder 25\% protein |  | 43 | 51 | 0 |
| Com. feeds - over 25\% protein |  | 107 | 190 | 34 |
| Iegume hay |  | 4,175 | 4,460 | 5,166 |
| Other hay |  | 219 | 52 | 170 |
| Fodder and stover |  | 399 | 297 | 756 |
| Total concentrates |  | 2,698 | 3,203 | 2,335 |
| Total dry roughages |  | 4,793 | 4,809 | 6,092 |
| Silage |  | 4.458 | - 5 , 107 | 2,250 |
| Total digestible nutrients* |  | 5,274 | 5,788 | 5,292 |
| T.D.N. per lb. B.F. |  | 21.9 | - 18.3 | 28.9 |
| \% T.D.N. that is protein |  | 14.3 | 14.6 | 15.2 |
| Feed cost per cow: |  |  |  |  |
| Concentrates \$ |  | \$33.91 | \$41.32 | \$28.22 |
| Roughages |  | 23.53 | 24.95 | 24.74 |
| Pasture |  | 5.55 | 5.47 | 5.51 |
| TOTAL FRED COSTS |  | \$62.99 | \$71.74 | \$58.47 |
| Value of produce per cow: |  |  |  |  |
| B.F. sales - \$ |  | \$101.14 | \$136.07 | \$64.76 |
| Dairy produce used in house |  | 8.60 | 6.33 | 9.48 |
| Milk to livestock |  | 15.85 | 18.11 | 16.00 |
| Net increases in value of cows |  | 7.53 | 10.53 | 13.34 |
| TOTAL VALUE PRODUCED ${ }^{\text {P }}$ ( |  | \$133.12 | \$171.04 | \$103.58 |
| RETURNS ABOVE FIED COST PER COW \$ |  | \$70.13 | \$99.30 | \$45.11 |
| RETURIS FOR \$100 OF FEED | \$ | \$216 | \$243 | \$186 |
| Price received per lb. B.F. sold |  |  |  |  |
| As manufacturing cream (cents) |  | 42.9 | 43.1 | 41.8 |
| As mkt. mk. \& cm. \& mk, for cheese(cts.) |  | 63.6 | 63.7 | - |
| Feed cost per 1b. B.F. (cents) |  | 25.8 | 22.6 | 31.9 |
| \% fall freshening |  | 49.2 | 60.8 | 56.2 |
| Number of dairy cows** |  | 13.4 | 16.1 | 9.6 |

*Not including nutrients received from pasture.
**All dairy cows which have at some time in the past freshened are included in the deiry herd, and affect the average number of cows used in computing this table. There is some variation in the number of maths of dry period per cow; however, this variation is smell for the majority of farins.

Table 19. Feed Costs and Retums from Other Dairy Cattle, 1942

| Table l9. Feed Costs and Returns from |
| :--- | :--- | :--- | :--- | :--- |

[^1]Table 21. Factors of Cost and Returns from Dual-Purpose Cows, 1942

| Items Your <br> farm  | $\begin{aligned} & \text { Average } \\ & \text { of } 60 \\ & \text { ferms } \end{aligned}$ | 12 farms highest in butterfat per cow | 12 farms <br> lowest in <br> butterfat <br> per cow |
| :---: | :---: | :---: | :---: |
| Pounds of butterfat per cow | 190 | 266 | 120 |
| Feeds per cow, lbs.: |  |  |  |
| Corn | 1,109 | 1,720 | - 773 |
| Small grain | 731 | 868 | 55 |
| Com. feeds - under $25 \%$ protein. | 12 | 40 | 3 |
| Com. feeds - over $25 \%$ protein ${ }^{\prime}$ | 47 | 83 | 15 |
| Legume hay | 3,330 | 3,511 | 2,629 |
| Other hay | 452 | 252 | 702 |
| Fodder and stover | 245 | 66 | 405 |
| Total concentrates | 1,899 | 2,911 | 1,355 |
| Total dry roughages | 4,027 | 3,829 | 3,736 |
| Silage | 3,701 | 2,557 | 3,234 |
| Total digestible nutrients* | 4,155 | 4,507 | 3,452 |
| T.D.N. per ib. B.F. | 23.2 | 17.0 | 30.2 |
| \% T.D.IT. that is protein | 14.2 | 14.5 | 13.6 |
| Feed cost per cow: |  |  |  |
| Concentrates \$ | \$23.41 | \$34.08 | \$16.46 |
| Roughages | 19.09 | 17.31 | 16.46 |
| Pasture | 6.05 | 6.06 | 5.72 |
| TOTAL FEED COSTS | \$48.55 | \$57.45 | \$38.64 |
| Value of produce per cow: |  |  |  |
| B.F. sales ${ }^{\text {d }}$ | \$62.4.7 | \$90.09 | \$40.97 |
| Dairy produce used in house | 12.68 | 14.99 | 6.89 |
| Milk to livestock | 15.33 | 18.44 | 10.84 |
| Net increases in value of cows | 12,36 | 14.07 | 18.23 |
| TOTAL VALUE PRODCUED | \$102.83 | \$137.59 | $\overline{\$ 76.93}$ |
| RETURIS ABOVE FWED COST PMR COW | \$54.28 | \$80.14 | \$38.29 |
| RETURITS FOR \$100 OF FEED | \$220 | \$243 | \$203 |
| Price received per 1b. B.F. sold |  | : |  |
| As manufacturing cream (cents) | 42.0 | 41.1 | 41.9 |
| As market milk or milk for cheese(cts.) | - | - | - |
| Feed cost per Ib. B.F. (cents) | 26.7 | 21.7 | 33.2 |
| \% fall freshening | 37.9 | 47.8 | 26.2 |
| Number of dual-purpose cows | 9.5 | 7.0 | 11.1 |

[^2]Table 22. Feed Costs and Returns from Other Dual-Purpose Cattle, 1942

| Items | Your farm | Average <br> of 45 <br> farms* | 9 farms highest in returins above feed | 9 farms <br> lowest in <br> returns <br> above feed |
| :---: | :---: | :---: | :---: | :---: |
| Feeds per head, los.: |  |  |  |  |
| Concentrates |  | 687 | 457 | 953 |
| Hay and fodder |  | 1,184 | 1,077 | 1,190 |
| Silage |  | 981 | 1,307 | 977 |
| Whole milk |  | 299 | 182 | 260 |
| Skim milk |  | 1,218 | 807 | 921 |
| Feed cost per head: |  |  |  |  |
| Concentrates | \$ | \$8.30 | \$5.60 | \$11. 30 |
| Roughages |  | 5.38 | 5.66 | 5.20 |
| Milk |  | 8.26 | 5.27 | 6.89 |
| Pasture |  | 2.68 | 2.15 | 2.85 |
| TOTAL FEED COSTS |  | \$24.62 | \$18.68 | \$26.24 |
| Net increase in value |  | \$47\%.54 | \$65.92 | \$25.19 |
| PEIURNS ABOVE FTSD COST PER HEAD | \$ | \$22.92 | \$477.24 | \$-1.05 |
| REIURNS FOR \$100 OF TEED . . . \$ \$ \$218, \$401 \$96 |  |  |  |  |
| No. of head of other dual-purpose |  | 15.2 | 12.6 | 20.2 |

Table 23 Feed Costs and Returns from All Dual-Purpose Cattle

| Items |  | Your Pam | Average of 60 farms | 12 farms highest in returns above feed | 12 farms lowest in returns above fee |
| :---: | :---: | :---: | :---: | :---: | :---: |

Feeds per animal unit, lbs:


Feed cost per animal unit:
Concentrates
Roughages
Pasture TOTAL FEED COSTS

$\$ 21.1^{r}$
$\$ 27.23$
$\$ 19.22$
$15.98 \quad 13.51 \quad 15.69$
$\$ 43.25$
$\frac{5.75}{\$ 46.49}$
$\frac{6.52}{\$ 41.43}$
Value of produce per animal, unit:
Dairy products
Net increase in value
TOMAL VALUE PRODUCDD:

$\$ 56.25$
$\begin{array}{rr}\$ 86.14 & \$ 39.65 \\ \frac{42.21}{} & 26.56 \\ \$ 128.35 & \$ 66.21\end{array}$
RETUFNS ABOVE FEAD PER ANIMAL UNIT

RETURNS FOR $\$ 100$ OF ETHD

Animal units of dual-purpose cattle
*ifteen farmers having both a dual-purpose and a beef herd used a beef bull and included all the young stock in the beef herd.

Table 24. Feed Costs and Returns fron Beef Cattle, 1942

| Items | Your farm | Average of all farms | F'arms <br> highest in <br> returns <br> above feed | Earis <br> lowest in <br> returns <br> above feed |
| :---: | :---: | :---: | :---: | :---: |
| Beef breeding herd: no. of farms: |  | 44 | 11 | 11 |
| Feeds per animal unit, lbs.: |  |  |  |  |
| Concentrates |  | 1,359 | 1,773 | 906 |
| Legurne hay |  | 1. 673 | 2,110 | 1,861 |
| Other hay |  | 386 | 419 | 355 |
| Fodder and stover |  | 405 | 348 | 271 |
| Silage |  | 2,825 | 2, 454 | 3,833 |
| Skim milk* |  | 149 | 114 | 72 |
| Whole milk* |  | 26 | 9 | 6 |
| Feed cost per animal unit: |  |  |  |  |
| Concentrates | \$ | \$16.35 | \$20.84 | 中2. ${ }^{\text {d }}$. 00 |
| Roughages |  | 11.54 | 12.87 | 13.38 |
| Milk* |  | . 80 | . 41 | . 27 |
| Pasture |  | 5.86 | 4.82 | 6.21 |
| TOTAI EEED COSTS |  | \$34.55 | \$38.94 | \$30.86 |
| Value of produce per animal unit: |  |  |  |  |
| Dairy products | \$ | \$11.72 | \$20.50 | \$5.72 |
| Net increase in value of animals |  | 58.36 | 76.08 | 37.61 |
| TOTAL VALUE PRODUCED | \$ | \$70.08 | \$96.58 | \$43.33 |
| REIURNS ABOVE FEED COST PER ANIMAL UNIT | \$ | \$35.53 | \$57.64 | \$12.47 |
| RETURNS FOR \$ 200 OF FSED | \$ | \$215 | \$286 | \$144 |
| Number of cows and herd buils |  | 17.4 | 18.1 | 17.2 |
| Number of animal units in the herd |  | 27.3 | 26.7 | 26.7 |
| Feeder cattle: no. of farms: |  | 94 | 19 | 19 |
| Feeds per cwt. beef produced, Ibs.: |  |  |  |  |
| Smail grain |  | 60 | 30 | 113 |
| Com. feeds - under $25 \%$ protein |  | 8 | 7 | 3 |
| Com. feeds - over $25 \%$ protein |  | 29 | 19 | 34 |
| Legurie hay |  | 285 | 263 | 399 |
| Other hay |  | 69 | 39 | 141 |
| Fodder and stover |  | 36 | 16 | 21 |
| Total concentrates |  | 915 | 663 | 1,216 |
| Total dry roughages |  | 390 | 318 | 561 |
| Silage |  | 400 | 256 | 324 |
| Feed cost per cwt: beef produced: |  |  |  |  |
| Concentrates | \$ | \$11.02 | \$7.97 | \$14.59 |
| Roughages |  | 1.82 | 1.46 | 2.25 |
| Pasture |  | . 43 | .23 | . 85 |
| $\because$ TOTAL FEDD COSTS . | \$ | \$13.27 | \$9.66 | \$17.69 |
|  |  |  |  |  |
| RETURNS ABOVE FEPD COST PER CWT. BEET PROD. | \$ | \$3.64 | 69.61 | 6-5.20 |
| RETURNS FOR \$100 OF FEED | \$ | \$139 | \$204 | \$73 |
| Price received per $100 \mathrm{lbs}$. beef sold | \% | \$12.22 | \$12.70 | \$11.30 |
| Price received per 100 lbs . bought in 1942 | \$ | \$11.82 | \$11.17 | \$11.45 |
| No. of animal units |  | 34.1 | 28.2 | 18.8 |
| Pounds of beef produced. |  | 17, 496 | 3.7,244 | 8,105 |

*Several farmers had both dairy or dual-purpose cows and beef cows and fed considerable amounts of milk produced by the cairy herd to beef calves.

*Two lambs under 6 months of age considered as one head.

Table 26. Feed Costs and Returns from Hoss and Chickens, 1942

| Items | Your farm | Average of all farms | Farms. <br> highest in <br> return <br> above feed | Faris <br> lowest in <br> return <br> above feed |
| :---: | :---: | :---: | :---: | :---: |
| Hogs: no. of farns |  | 162 | 32 | 32 |
| Feed per cwt. hogs produced, lbs.: |  |  |  |  |
| Corn |  | 390 | 299 | 504 |
| Small grain |  | 78 | 66 | 113 |
| Com. feeds - under 25\% protein |  | 5 | 6 | 6 |
| Com. feeds - over $25 \%$ protein |  | 23 | 18 | 27 |
| Total concentrates |  | 496 | 389 | 650 |
| Skim milk and buttermilk |  | 86 | 90 | 99 |
| Feed cost per cwt. hogs produced: |  |  |  |  |
| Concentrates |  | \$6.40 | \$5.04. | \$8.30 |
| Skim milk and buttermilk |  | . 18 | . 1.19 | . 20 |
| Pasture |  | . 18 | . 19 | . 21 |
| TOTAL FEED COSTS | \$ | \$6.76 | \$5.42 | \$8.71 |
| Net. incr. in value per cwt. hogs prod. |  | \$14.37 | \$15.23 | \$13.94 |
| RET. ABOVE FPED COST PFR CWT. FOGS PROD. |  | \$7. 61 | \$9.81 | \$5.23 |
| REIURNS FOR \$100 OF FEED |  | \$221 | \$289 | \$162 |
| Price received per cwt: hogs sold | \$ | \$13.13 | \$13.84 | \$12.82 |
| Total no. of litters raised |  | 20.5 | 25.4 | 18.1 |
| No. of pigs born per litter |  | 7.8 | 8.0 | 7.0 |
| No. of pigs weaned per litter |  | 6.3 | 6.4 | 5.5 |
| \% of two-litter systems |  | 33.2 | 30.8 | 31.7 |
| Pounds of hogs produced. |  | 35,161 | 44,705 | 29,875 |
| Chickens: no. of farms: |  | 147 | 29 | 29 |
| Feed per hen, Ibs.: |  |  |  |  |
| Grain |  | 108 | 106 | 106 |
| Commercial feeds |  | 24 | 25 | 22 |
| Total concentrates |  | 132 | 131 | 128 |
| Skim milk and buttermilk |  | 24 | 35 | 18 |
| Feed cost per hen: |  |  |  |  |
| Concentrates |  | \$2.10 | \$2.12 | \$2.13 |
| Skim milk and buttermilk |  | . 05 | . 08 | . 04 |
| TOTAL FIEED COST | \$ | \$2.15 | \$2.20 | \$2.17 |
| Value of produce per hen: |  |  |  |  |
| Eggs sold and used in house |  | \$3.18 | \$3.85 | \$2.43 |
| Net increase in value of chickens |  | 1.04 | 1.81 | . 52 |
| TOTAL VALUE PRODUCED | $\$$ | \$4.22 | \$5.66 | \$2.95 |
| RETURNS ABOVE HEED COST FER HEN |  | \$2.07 | \$3.46 | \$. 78 |
| RETURNS FOR \$100 OF FTED |  | \$210 | \$281 | \$148 |
| Price rec'd. per doz.eggs sold (cents) |  | 28.4 | 29.0 | 28.0 |
| Eggs laid per hen |  | 135 | 162 | 105 |
| No. of hens |  | 218 | 191 | 222 |
| \% of hens that are putlets |  | 78 | 84 | 70 |


| Iteris | Your <br> farm | Average of 8 <br> farms | 4 farms <br> highest in <br> returns <br> above feed | 4 farms <br> lowest in <br> returns <br> above feed |
| :---: | :---: | :---: | :---: | :---: |
| Feed per cwt. turkeys produced, lbs.: |  |  |  |  |
| Grain |  | 381 | 352 | 410 |
| Con. feeds - under $25 \%$ protein |  | 29 | 16 | 43 |
| Com: feeds - over $25 \%$ protein |  | 154 | 165 | 142 |
| Total concentrates |  | 564 | 533 | 595 |
| Skim milk |  | 0 | 0 | 1 |
| Feed cost per cwt. turkeys produced | \$ | \$11.40 | \$10.39 | \$12.41 |
| Value or produce per cwt. turkeys prod. |  |  |  |  |
| Net increases in turkeys |  | $25.49{ }^{\text {c }}$ | 25.85 | 25.13 |
| tomal vaiue produceid | \$ | \$25.49 | \$25.85 | \$25.13 |
| RETURNS ABOVE FWED COST PER CWT. |  |  |  |  |
| RETURNS FOR \$100 OF FEED |  | \$22 ${ }^{\text {r }}$ | \$248 | \$204 |
| Price recld per lb. turkey sold (cts.) |  | 29.1 | '.-.29.7 | 28.6 |
| Pounds of turkeys produced. |  | 33,675 | 32,260 | 35,090 |
| Table 28. Feed Costs for Eorses and Misc. Power and Machinery Expense, 1942 |  |  |  |  |
| .. | Your | Average | 32 most | 32 least |
|  | farn | $\text { of } 161$ | profitable | profit- <br> able |
| Iterns |  |  | farms* | farms* |
| Feed per horse,** Ibs.: |  |  |  |  |
| Grain |  | 1,933 | 2,021 | 1,580 |
| Hay |  | 2,852 | 2,616 | 2,389 |
| Fodder and stover |  | 294 | 160 | 303 |
| Feed costs per horse: |  |  |  |  |
| Grain | \$ | \$23.72 | \$24.84 | \$19.24 |
| Roughage |  | 9.19 | 8.39 | \% 7.67 |
| Pasture |  | 4.15 | 4.09 | 4.99 |
| TOTAL meed cosis | \$ | \$37.06 | \$37.32 | \$31.90 |
| Number of work horses |  | 4.1 | 5.4 | 3.6 |
| Number of colts |  | .7 | . 9 | . 8 |
| Crop acres per farn |  | 218.5 | 314.0 | 167.9 |
| Tractor and horse exp per'crop acre | \$ | \$2.4.4 | - \$2.19 | \$2.65 |
| Crop and general mach. exp. per crop acre | \$ | 1.67 | - 1.49 | 1.71 |

[^3]Table 29. Family Iiving from the Farm, 1942

| Items | Your farm | Average of 165 farms | 33 most profitable farms | 33 least <br> profit- <br> able <br> farms | Your farm | Average of 165 farms | 33 mos <br> profit <br> able <br> farms | $t 33$ least <br> profit- <br> able <br> farms |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. of persons (Family adult equiv. (Other* |  | $\begin{array}{r} 3.4 \\ .5 \end{array}$ | $\begin{array}{r} 3.8 \\ .7 \end{array}$ | $\begin{array}{r} 2.9 \\ .4 \end{array}$ |  |  |  |  |
| Whole milk |  | 1196 qts. | 1492 | 1125 | \$ | \$49.10 | \$58.30 | \$46.48 |
| Skim milk |  | 394 qts. | 571 | 133 |  | 1.92 | 2.71 | . 63 |
| Cream |  | 291 pts. | 365 | 246 |  | 39.12 | 49.31 | 31.64 |
| Farm made butter |  | 12 lbs . | 15 | 21 |  | 5.23 | 6.27 | 8.62 |
| Bges |  | 184 doz. | 227 | 163 |  | 47.08 | 58.33 | 41.64 |
| Cattle |  | 416 1bs. | 530 | - 392 |  | 42.96 | 61.67 | 38.93 |
| Hogs |  | 541 Ibs | 563 | 458 |  | 68.88 | 71.91 | 57.40 |
| Sheep |  | 81 bs . | 7 | 2 |  | 1.02 | .70 | . 22 |
| Poultry |  | $110 \mathrm{Ibs}$. | 83 | 94 |  | 18.22 | 12.91 | 15.11 |
| Potatoes |  | 15 bu. | 15 | 15 |  | 12.79 | 12.66 | 13.62 |
| Vegetables \& fruits |  | - | - | - |  | 50.65 | 68.58 | 38.54 |
| Farm fuel |  | - | - | - |  | 11.08 | 5.77 | 6.66 |
| Rental value of house |  |  |  |  |  | 236.13 | 278.99 | 215.67 |
| Total |  |  |  |  | \$ | \$584. 18 \$ | \$688.11 \$ | \$515.16 |

Table 30. Household and Personal Expenses for Those Farms Which Kept Complete Accounts of These Ixpenses, 1942

| Items | Your farm | Average of 122 farms | $\begin{aligned} & 24 \text { most } \\ & \text { profit- } \\ & \text { able } \\ & \text { farms } \end{aligned}$ | 24 least <br> profit- <br> able <br> farms |
| :---: | :---: | :---: | :---: | :---: |
| Number of persons - family |  | 4.5 | 4.9 | 4.0 |
| Number of persons, (Family adult equivalent .. (Other* |  | 3.5 .5 | $\begin{array}{r} 4.0 \\ .6 \end{array}$ | 3.1 |
| Food and meals bought | \$ | \$395 | \$479 | \$321 |
| Operating and supplies |  | 144 | 152 | 124 |
| Clothing and clothing materials |  | 228 | 333 | 151 |
| Personal care, personal spending |  | 71. | 103 | 47 |
| Furnishings and equipment |  | 145 | 214 | 100 |
| Education, recreation and development |  | 130 | 228 | 51 |
| Medical care and health insurance |  | 123 | 153 | 80 |
| Church, welfare, gifts and incone taxes |  | 152 | 217 | 84 |
| Personal share of auto expense |  | 86 | 103 | 62 |
| Household share of elect. \&c gas eng. expenses |  | 40 | 50 | 39 |
| H. H. \& pers.shr. of new auto,gas eng. \& motors bot |  | 31 | 26 | 24 |
| Life insurance and other investments |  | 544 | 938 | 135 |
| Total household and personal cash expenses | $\$$ | \$2,089 | \$2,996 | \$1,218 |
| Food furnished by the farm | \$ | \$339 | \$408 | \$325 |
| Fuel furnished by the farm |  | 13 | 11 | 9 |
| House rental. |  | 237 | 287 | 244 |
| Total household and personal expenses | $\$$ | \$2,678 | \$3,702 | \$1,796. |

*Fired help or others boarded.

Table 31. Summary of Farm Earnings - Averaged by Counties, 1942

|  | Bromn \& Watonwan | Cottonwood | $\begin{aligned} & \text { Fari- } \\ & \text { bault } \end{aligned}$ | Jackson | $\begin{aligned} & \text { Iincoln } \\ & \text { \& Iyon } \end{aligned}$ | Martin | ifurray | Nobles | Pipestone \& Rock | Redwood |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FARM EXPEISES |  |  |  |  |  |  |  |  |  |  |
| Cattle bought | \$990 | \$2,306 | \$1,431 | \$2,171 | \$371 | \$457 | \$1,334 | \$3,969 | \$1,344 | \$2,233 |
| Hogs bought | 200 | 513 | 353 | 377 | 220 | 169 | 478 | 252 | 935 | 170 |
| Sheep bought | 245 | 230 | 352. | 543 | 20 | 5 | 244 | 3,072 | 2,129 | 69 |
| Poultry bought | 85 | 84 | 84. | 76 | 64 | 109 | 65 | 356 | 162 | 102 |
| Feed | 1,164 | 2,465 | 1,289. | 1,469 | 1,286 | 1,057 | 1,230 | 3,888 | 3,356 | 3.079 |
| Other livestock expense | 108 | 107 | 148 | 187 | 146 | 180 | 138 | - - 182 | 173 | 108 |
| Crop expense | 332 | 368 | 336 | 326 | 546 | 295 | 336 | 418 | 330 | 389 |
| Power machinery \& equipment | 1,104 | 1,577 | 1,480 | 1,784 | 1,566 | 1,530 | 1,256 | 1,770 | 1,241 | 1,849 |
| Custom work hired | 191 | 152 | 240 | 194 | 160 | 258 | 168 | 203 | 197 | 206 |
| Buildings | 306 | 460 | 551 | 764 | 359 | 608 | 429 | $\because 524$ | 548 | 379 |
| Hired labor | 436 | 443 | 530 | 653 | 747 | 563 | 461 | : 791 | 585 | 709 |
| Taxes, insurance, \& misc. | 331 | 532 | 437 | 386 | 451 | 294 | 370 | - 586 | 455 | 494 |
| (1) Total purchases | \$5,492 | \$9,237 | \$7,231 | \$8,930 | \$5,936 | \$5,525 | \$5,509 | \$16,011 | \$11,455 | \$9,787 |
| (2) Decrease in cap. | - | - | - | , | - | - |  | 6,011 |  | , 78 |
| (3) Board to hired labor | 1.76 | 121 | 85 | 138 | 128 | 128 | 116 | 170 | 166 | 156 |
| (4) Unpaid family labor | 437 | 307 | 348 | 274 | 314 | 308. | 161 | 381 | 600 | 365 |
| (5) Int. on farm cap. | 1,748 | 1.891 | 1,849 | 1,568 | 1,673 | 1,580. | 1,463 | 2.348 | 2. 034 | 2,016 |
| (6) Total expenses | \$7,853. | \$11,556 | \$9,513 | \$10,910 | \$8,051 | \$7,641. | \$8,249 | \$18,910 | \$14,255 | \$12,324 |
| FARM RECEIPTS |  |  |  |  |  |  |  |  |  |  |
| Cattle sales | \$3,002 | \$5,149 | \$3,094 | \$3,744 | \$1,523 | 91,282 | \$2,470 | \$8,786 | \$3,107 | \$5,838 |
| Dairy products | 905 | 660 | 787 | 947 | 1,025 | 1,324 | . 425 | 746 | 845 | 561 |
| Hogs | 3,059 | 3,596 | 4,215 | 4,442 | 3,520 | 4,042 | 3,416 | 4,702 | 5,791 | 5,335 |
| Sheep | 545 | 521 | 1,324 | 689 | 233 | 173 | 610 | 3,867 | 4,107 | 83 |
| Poultry \& eggs | 918 | 998 | 817 | 650 | 703 | 755 | 79.7 | 2,899 | 1,441 | 622 |
| Crop | 1,900 | 3,526 | 1, 1,895 | 1,616 | 2,262 | 2,287 | 1,931 | 1,821 | 1,747 | 2,623 |
| AAA payment | 448 | 513 | $\cdots 456$ | 442 | 424 | 387 | 494 | 675 | 513 | 516 |
| Miscellaneous cash receipts | - 522 | 477 | 295 | 478 | 508 | 244 | 678 | 433 | -828 | 551 |
| (7) Total farm sales | \$11,299 | \$15,440 | \$12,883 | \$13,008 | \$10,198 | 410,494 | \$10,821 | \$23,979 |  | \$16,129 |
| (8) Increase in cap. | 938 | 686 | 2,310 | 2,883 | 2,189 | $\therefore 2,539$ | 1,404 | 1,808 | 2,654 | 2,907 |
| (9) Family living from farm | -721 | 511 | 604 | 524 | 552 | - 528 | 430 | - 595 | 610 | $\underline{617}$ |
| (10) Total receipts | 812,958 | \$16,637 | \$15,797 | \$16,435 | \$12,939 | 413,561 | \$12,655 | \$26,382 | 421,643 | \$19,653 |
| (6) Total expenses | 7,853 | 11,556 | 9,513 | 10,910 | 8,051 | 7,641 | 8,249 | 18,910 | 14,255 | 12,324 |
| (11) Oper. labor earnings | 5,105 | 5,081 | 6,254 | 5,525 | 4. 888 | 5,920 | 4.406 | 7,472 | 7,388 | 7,329 |


|  | rown \& Tatonwan | Cottonwood | Faribault | Jackson | $\begin{aligned} & \text { Lincoln } \\ & \text { \& Iyon } \\ & \hline \end{aligned}$ | Martin | Murray | Nobles | Pipestone \& Rock | Redwood |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FARM INVENTORIES (Beginning of year) 30 |  |  |  |  |  |  |  |  |  |  |
| Horses ${ }^{\text {d }}$ | 4 411 | \$ 277 | \$ $\begin{array}{r}325 \\ 6.086\end{array}$ | 4.261 | \$ $\begin{array}{r}322 \\ 4,232\end{array}$ | (4) $\begin{array}{r}382 \\ 4,185\end{array}$ | $3,677$ | $\begin{array}{r} 40,100 \\ 10 \end{array}$ | $7,513$ | $6,890$ |
|  | 4,948 | 5,712 | 6,086 | 3,462 | 3,957 | 3,241 | 4,029 | 4,845 | 4,428 | 4,474 |
| Grop, seed and feed | 3,916 | 5,517 3.532 | 4,137 2,912 | 3,462 2,377 | 3,921 | 3,223 | 2,678 | 3,708 | 3,553 | 3,285 |
| Mach. and equipment | 3,041 | 3.532 | 2,912 7,832 | 2,377 7,252 | 7,1116 | 2,364 | 6,172 | 7,682 | 7.596 | $6,714$ |
| Buildings <br> fand | $\begin{array}{r}8,264 \\ 13,908 \\ \hline 14588\end{array}$ | 15:344 | 14.537 | 11,832 | 13,232 | 14.730 | 11.736 | 19,316 | 15.976 $\$ 39.361$ | $\frac{17.184}{\$ 38.560}$ |
| 玉and <br> Total farm capital | $\frac{13,908}{}$ | $\frac{157,470}{}$ | \$35,829 | \$29,922 | \$32,370 | \$32,325 | $\$ 28,563$ | \$46,058 | \$39,361 | \$38,860 |
| MEAS.OF FAPM ORG. AND MANAGEMENT EHFIC. |  |  |  |  |  |  | 86 | 90 | 95 | 101 |
| Crcp yields - \% of ave. | 114 | 89 | 1113 | 98 41.6 | 94 36.8 | 120 37.2 | 86 38.8 | 39.6 | 37.0 | 38.5 |
| \% high return crops | 38.1 | 38.1 | 42.3 | 41.0 | 30.8 | 31.2 | 38.8 98 | 39.6 98 | 107 | 99 |
| Index ret. from livestock | 101 | 100 | 99 | 100 | $\begin{array}{r}94 \\ \hline 7\end{array}$ | 105 | 98 21.0 | 30.8 | 28.4 | 21.6 |
| A. U. livestock per 100 A . | - 25.0 | 18.7 | 28.8 | 26.5 | 14.2 | 22.5 | 2154 | 3746 | . 725 | 630 |
| Work units | 502 | 501 | 375 | 250 |  | 250 | 313 | 296 | 297 | 289 |
| Work units per worker | 245 | 283 | 285 $\$ 2.78$ | $\begin{array}{r} 250 \\ \$ 3.38 \end{array}$ | $\begin{array}{r} 286 \\ \$ 2.66 \end{array}$ | $\$ 3.76$ | $\$ 2.64$ | \$2.61 | \$2.32 | \$3.14 |
| Exp. per work unit | \$2.87 | \$3.42 | \$2.78 | \$3.38 |  |  |  |  |  |  |
| DISTRIBUTION OF ACRES IN FARM |  |  |  |  |  | 65.0 | 94.1 | 114.6 | 101.7 | 138.4 |
| Small grain | 74.2 | 135.1 | 80.3 76.6 | 79.4 65.5 | 129.1 73.1 | 65.0 70.8 | 65.5 | 101.5 | 83.6 | 91.7 |
| Cultivated crops | 63.2 | 73.6 | 76.6 | 65.5 28.5 | 37.1 | 18.3 | 31.9 | 38.0 | 30.1 | 31.6 |
| Tillable hay land | 28.3 | 29.0 | 23.1 | 28.5 | 29.16 | 31.8 | 24.3 | 38.4 | 32.2 | 19.2 |
| Tillable pasture | 26.1 | 318.3 |  | 223.6 | 346.1 | 207.7 | 259.8 | 334.8 | 301.8 | 346.2 |
| Total acres in farm | 240.8 | 318.0 | 240.4 87.5 | 223.6 86.6 | 80.4 | 90.3 | 82.2 | 88.1 | 84.1 | 87.4 |
| $\%$ land tillable | 80.9 | 82.0 | 87.5 | 86.6 | 80.4 | $90 \cdot 3$ | 8.2 | 88.1 |  |  |
| CROP YIETDS PER ACRE |  |  |  |  | 11.4 | 12.6 | 11.1 | 10.6 | $12 \cdot 7$ | 12.5 |
| Flax, bu. | 11.6 | 10.6 | 11.5 | 15.7 | 29.6 | 31.7 | 18.0 | 20.5 | 25.2 | 23.8 |
| Barley, bu. | 26.2 | 21.2 | 34.3 | 15.8 45.0 | 29.6 | 31.7 52.2 | 42.5 | 37.8 | 37.8 | 52.3 |
| Cats, bu. | 49.6 | 42.3 | 52.3 | 45.0 9.9 | 39.7 13.4 | 12.6 12.6 | 8.4 | 10.7 | 14.8 | 13.3 |
| Scybeans, bu. | 12.7 | 10.6 | 15.8 | 9.9 59.7 | 13.4 49.1 | 12.6 71.4 | 44.6 | 54.6 | 51.2 | 54.9 |
| Corn, grain, bu. | 68.7 | 48.0 | 70.5 9.0 | 59.7 | 49.1 9.9 | 11.4 15.1 | 44.6 8.1 | 9.7 | 8.8 | 9.6 |
| Corn silage, tons | 10.6 | 10.2 | 9.0 2.6 | 11.5 2.6 | 9.9 2.4 | 15.1 3.0 | 8.1 2.0 | 9.7 2.2 | 2.7 | 2.5 |
| Alfalfa hay, tons | 3.3 | 2.3 52.0 | 2.6 63.9 | 2.6 53.9 | 2.4 54.1 | 43.4 | 47.9 | 99.3 | 81.4 | 73.1 |
| AN. UNITS OF LIVESTOCK | 54.9 | 52.0 | 63.9 | 53.9 33.5 | 54.1 | 36.1 | 17.9 | 23.8 | 29.2 | 22.2 |
| \% dairy and du:-pur.cattle | e 36.2 | 25.4 | 22.5 14.9 | 33.5 0 | 36.7 15.2 | 30.1 10.1 | 17.9 26.3 | 7.2 | 11.6 | 12.7 |
| \% in beef breeding herd | 14.5 | 3.9 | 14.9 |  | 15.2 9.5 | 10.18 | 18.4 | 23.9 | 12.9 | 30.1 |
| \% feeder cattle | 10.7 | 30.5 4.9 | 19.2 | 22.8 | 9.9 8.9 | 4.5 | - 5.3 | 6.8 | 3.9 | 1.8 |
| \% sheep-farm flock | 5.8 | 4.9 | 4.8 | 3.4 | 8.9 | 0 | 1.4 | 9.4 | 10.5 | 0 |
| \% sheep-feeders | 2.6 | $2 \cdot 4$ | 4.5 | 3.4 29.9 | 24. | 37.1 | 25.5 | 19.5 | 25.0 | 29.2 |
| \% hogs | -25.3 | 26.5 | 28.1 | 29.9 | 24.7 | 37.1 | 25 | 6.2 | 3.2 | 0 |
| \% turkeys | . 2 | 1.2 | 0 | 0 | 0 | 4.5 | 5.2 | 3.2 | 3.7 | 4.0 |
| \% hens | 4.7 | 5.2 | 4.0 | 3.1 | 5.0 | 4.9 | $5 \cdot 2$ |  |  |  |

Table 33. Sumnary of Farm Earnings by Years*

| Items | 1940 | 1941 | 1942 |
| :---: | :---: | :---: | :---: |
| No. of farms | 165 | 166 | 165 |
| FARM EXPEITSES |  |  |  |
| - Horses bought | \$ 32 | \$ 32 | \$ $\quad \therefore 49$ |
| 6. Dairy and dual-purpose cattle bought | 76 | $\because 138$ | 141 |
| Heef cattle bought (including feeders) | 1,243 | 1,766 | 1, 2118 |
| Hogs bought | 103 | 209 | 339 |
| Sheep bought (including feeders) | 414 | 686. | 866 |
| Poultry bought (including turkeys) | 99 | 96 | 138 |
| Miscelleneous crop expenses | 243 | 303 | 377 |
| Feed bought | 1,007 | 1,718 | 2,235 |
| Power machinery (farm share) (new) | 379 | 446 | 256. |
| Power machinery (farm share) (upkeep) | 411 | 497 | 533 |
| Custom work hired | 150 | 140 | 199 |
| Crop and general machinery (new) | 319 | 416 | 387 |
| Crop and general machinery (upkeep) | 69 | 84 | 135 |
| Livestock equipment (new) | 74 | 123 | 134 |
| Livestock equipment (upkeep) | 20 | 32 | 57 |
| Miscellaneous livestock expense | 72 | 109 | 148 |
| Buildings and fencing (new) | 412 | $=434$ | 327 |
| Buildings and fencing (upkeep) | 88 | 141 | 156 |
| Hired labor . | 392 | 561 | 622 |
| Taxes | 313 | 337 | 355 |
| Insurance | 15 | 32 | 35 |
| General farm | 59 | 55 | 60 |
| (1) Total farm purchases | \$5,990 | \$8,355 | \$9,267 |
| (2) Decrease in farm capital | - | , | - |
| (3) Board furnished hired labor | 131 | 171 | 143 |
| (4) Interest on farm cepital | 1,635 | 1.831 | 1,886 |
| (5). Unpaid family labor | 252 | 288 | 360 |
| (6) Total farm expenses (Sum of (1) to (5) | \$8,008 | \$10,645 | \$11.656 |
| FARM RECEIPTS |  |  |  |
| Horses | \$ 42 | \$ 41 | \$. 47 |
| Dairy and dual-purpose cattle | $\therefore 265$ | 392 | 446 |
| Dairy products | 570 | 758 | 804 |
| Beef cattle (including feedêrs) | 2,373 | 3,399 | 3,860 |
| Hogs | 1,162 | 2,306 | 4,336 |
| Sheep and wool (including feeders) | 470 | 1,032 | 1,402 |
| Poultry (including turkeys) : | 372 | + 396 | 598 |
| Eggs. | 244 | 334 | 589 |
| Corn. | 51.6 | 477 | 625 |
| Small grain | 849 | 1,133 | 1,120 |
| Other. crops | 239 | 283 | 366 |
| Power. machinery sold | 168 | 204 | 71 |
| Orop and general machinery sold | 81 | 74 | 62 |
| Miscellaneous | 394 | 176 | 166 |
| Income from work off the farm | 193 | 196 | 163 |
| Agricultural Adjustment payments | 506 | 503 | 503 |
| (7) Total farm sales | \$8,444 | \$11,704 | \$15.158. |
| (8) Increase in farm capital | 1,179 | 2.618 | 2,102 |
| (9) Family living from farm | 483 | 538 | 584 |
| (10) Total farm receipts (7) + (8) + (9) | \$10,106. | \$14,360 | \$17.844 |
| (6) Total farm expenses | 8:008 | 10,645 | 11,656. |
| (11) Operator's labor earnings (10) - (6) | 2,098 | 4,215 | 6,188 |

[^4]Table 34. Summary of Miscellaneous Items by Years

| Items | 1940 | 1941 | 1942 |
| :---: | :---: | :---: | :---: |
| Total farm capital. | \$32,724 | \$36,6I3 | \$37, 728 |
| MEAS. OF FARM ORG. AND MANAGYMENY ETFICIEYCY |  |  |  |
| \% tillable land in high return crops | 35.9 | 36.5 | 38.9 |
| Animal units prod. livestack per 100 A. | 22.1 | 24.7 | 24.7 |
| Work units | 569 | 631 | 624 |
| Work units per worker | 263 | 264 | 281 |
| Expenses per work unit | \$2.17 | \$2.30 | \$2.90 |
| ACRES PER PARM | 279 | 295 | 291 |
| Crop acres per farm | 213 | 223 | 219 |
| CROP YIEIDS PER ACRE |  |  |  |
| Flax, bu. .'. | 13.7 | 12.0 | 11.5 |
| Barlej, bu. | 42.3 | 29.6 | 24.0 |
| Oats, bu. | 60.1 | 26.4 | 44.8 |
| Corn, grain, bu. | 46.2 | 55.9 | 57.4 |
| Corn silage, tons | 8.5 | 9.5 | 10.3 |
| Alfalfa hay, tons | 2.0 | 2.0 | 2.5 |
| RETURN ABOVE सEWD COST PER: |  |  |  |
| Dairy cow | \$43.03 | \$56.89 | \$70.10 |
| Dual-purpose cow | 26.49 | 39.13 | 54.28 |
| $\therefore$ Animal unit in beef breeding herd | 18.20 | 25.06 | 35.53 |
| 100 pounds Seeder cattle produced | 2.92 | 3.99 | 3.64 |
| Head of sheep in farm flock | 3.27 | 5.96 | 5.61 |
| 100 pounds feeder sheep produced | 2.13 | 8.01 | 6.67 |
| 100 pounds hogs produced | 1.23 | 5.15 | \%7.61 |
| . Hen | .96 | 1.35 | 2.07 |
| 100 pounds turkeys produced | 5.74 | 9.65 | 14.09 |
| FTH COST PER: |  |  |  |
| Dexry cow | \$ $\$ 46.50$ | \$53.11 | \$62.99 |
| Dual-purpose cow | 34.85 | 44.19 | 48.55 |
| Animal unit in beef breeding herd | 29.86 | 33.57 | 34.55 |
| 100 pounds of feeder cattle produced | 8.00 | 9.21 | 73.27 |
| Head of sheep in farm flock | 2.60. | 2.76 | 3.01 |
| $\therefore 100$ pounds feeder sheep produced | 7.16 | 8.38 | 14.23 |
| $\because 100$ pounds hogs produced. | 4.29 | 5.55 | 6.76 |
| Hen | 1.11 | 1.50 | 2.15 |
| $\therefore 100$ pounds trrikeys produced | 7.27 | 8.26 | 11.40 |
| Horse $\quad$ : | 29.74 | 31.80 | 37.06 |
| MISC. IIVESTOCK INFORMATIOX |  |  |  |
| $\because$ No. of workhorses | 4.1 | 4.2 | 4.0 |
| -No. of colts. | 1.0 | 1.0 | .7 |
| No. of dairy or dual-purpose cows | 8.6 | 9.1 | 8.6 |
| Head of cattle in beef breeding herd | 9.0 | $9.4$ | 9.9 |
| Pounds feeder cattle produced | 8.678 | 14,087 | 10,119 |
| Litters of pigs | 13.6 | 16.9 | 20.1 |
| Pounds of hogs produced | 21,335 | 27,550 | 34,522 |
| No. of hens : | 161 | 173 | 196 |
| Pounds of butterfat per dairy cow | 250 | 254 | 250 |
| Pounds of butterfat per dual-purpose cow | 179 | 190 | 190 |
| No of pigs weaned per litter | 6.2 | 6.4 | 6.3 |
| \% lamb crop | 110 | 110 | 109 |
| Eggs per hen | 113 | 117 | 135 |

Table 34. Summary of Mjscellaneous Items by Years (Continued)
Items $\quad 1940 \quad 1941 \quad 1942$

PRICE RECEIVED PER:

| Pound butterfat sold to creameries | $\$ .31$ | $\$ .37$ | $\$ .42$ |
| :--- | ---: | ---: | ---: |
| 100 pounds feeder cattle | 8.81 | 10.13 | 12.22 |
| 100 pounds feeder sheep | 8.74 | 10.08 | 12.47 |
| Pound of wool | .29 | .38 | .41 |
| 100 pounds of hogs | 5.15 | 9.07 | 13.13 |
| Dozen egss | .15 | .21 | .28 |
| Pound of turleys | .14 | .18 | .29 |

PRICEOF FTED

| Shelled corn, bu. | $\$ .47$ | $\$ .54$ | $\$ .68$ |
| :--- | ---: | ---: | ---: |
| Oats, bu. | .26 | .32 | .41 |
| Barley, bu. | .31 | .39 | .52 |
| Alfalfa hay, ton | 7.50 | 8.50 | 8.00 |
| Timothy hay, ton | 4.80 | 5.45 | 5.15 |
| Corn silage, ton | 2.10 | 2.55 | 2.75 |
| Bran, cwt. | 1.20 | 1.50 | 2.10 |
| Linseed oilmeal, cwt. | 1.75 | 2.00 | 2.40 |
| Tankage, cwt. | 2.50 | 3.20 | 4.10 |
| Meat scraps, cwt. | 2.55 | 3.20 | 4.10 |


[^0]:    $\because \because$

[^1]:    - Two farmers having both a delry and a beef herd ueed a beef bull and dncluded all the young otock in the beef herd.

[^2]:    *Not including nutrients received from pasture.

[^3]:    *Four farms did not have horses. The number of horses, crop acres and expenses per crop acre are averages of 165 farms.
    **Two colts equal one horse.

[^4]:    *The financial statements differ in that the unpaid family labor rate was $\$ 45$ per month in 1940, $\$ 50$ in 1941 and $\$ 60$ in 1942; and the boord for hired labor was calculated at $\$ 18$ per month in $1940, \$ 20$ in 1941 and $\$ 25$ in 1942.

