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UNIVERSITY OF MINNESOTA
Department of Agriculture
and
UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
and the
County Extension Services of
Dakota, Dodge, Freeborn, Goodhue, Le Sueur, Mower, Nicollet, Olmsted,
Rice, Scott, Steele, Wabasha, Wascea, and Winona Counties
Cooperating

Annual Report
of the
Southeastern Minnesota
Farm Management Service
1942

...O...

Cooperator:

Mimeographed Report No. 136
Division of Agricultural Economics
University Farm
St. Paul, Minnesota
April 1943

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Fifteenth Annual Report of the Farm Management Service of Dakota, Dodge, Freeborn, Goodhue, Le Sueur, Mower, Nicollet, Olmsted, Rice, Scott, Steele, Wabasha, Waseca and Winona Counties for the Year 1942.

Prepared by T. R. Modland, G. E. Toben and G. A. Pond

- 40 40 7**0**

INTRODUCTION

The Division of Agricultural Economics and the Division of Agricultural Extension of the University of Minnesota, the Eureau of Agricultural Economics of the United States Department of Agriculture, and the county extension services of Dodge, Freeborn, Goodhue, Rice, Steele and Waseca Counties organized late in 1927 the Farm Management Service Project, to operate in the above named counties, beginning January 1, 1928. Additional counties have since been added. This farm management service is offered to farmers who desire to keep farm records, and to have these records summarized and analyzed in connection with those of other formers. Each farmer who cooperates in this service pays an annual fee which covers a part of the cost. The balance of the cost is defrayed by the University of Minnesota. Control regions with a fixytestable digital weak

General administration of this project, analysis of the records and 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 Agricultural Extension Division of the contraction of th organization is handled by the Agricultural Extension Division with S. B. Cleland and J. B. McNulty in charge of this work. Glen Myers is the field agent for this project. At the end of the year V. G. Dose of the Division of Agricultural Economics aided in closing the records. County agricultural extension agents who cooperate in this project include H. Lawrenz, V. Sander, W. M. Lawson, G. J. Kunau, R. D. Evans, F. L. Liebenstein, E. Nelson, R. Aune, D. Marti, W. W. Miller, C. Graham, J. R. Gute, O. Nelson, C. F. Murphy and D. Williams.

The Scutheast Minnescta Farm Management Association was organized in 1939 by the farmers cooperating in the S. E. Farm Management Service. This association now represents its membership as an additional cooperating agency to determine policies and especially to maintain the field organization and mem-bership. Officers for 1912 were:

President, Hiram Johnson, Ellendale, Steele County; Vice-President, Arthur Olin, Millville, Wabasha County; Secretary-Treasurer, C. H. Kunde, Goodhue, Goodhue County: Secretary-Treasurer, C. H. Kunde, Goodhue, Goodhue County;

34 to 38

The board of directors included these officers and also the following: Sarah Howland, Dakota County; Glen Kellar, Dodge County; Ross Ferguson, Freeborn County; Paul Sundeman, Le Sueur County; H. B. Hillier, Mower County; Franklin Till, Olmsted County; Arthur Bohnsock, Scott County; C. L. Sauffeur, Waseca County and Joe Ries, Winona County.

In addition to records kept by members of the S. E. Minn. Farm Mgt. Service, 27 records from farmers in a 3-year detailed accounting study in Nicellet County are included. Some of these farmers were in the S. E. Service in 1940 and earlier years and will probably return to it at the end of the three-year period. Since these farms are in the same area and of the same type as the

Assistance in the preparation of this material was furnished by workers supplied on N. Y. A. Student Work Project No. 493-70. Sponsor: University of Minnescta.

others and since the same type of records are available they have been combined with those of the regular service to increase the size of the sample and make the comparison more significant. These records have been ... kept under the general direction of Mr. S. A. Engene of the Dept. of Agr. Econ. and serviced by Mr. F. E. Wetherill in , as the Market

The following tabulation shows by counties the number of records submitted in 1942:

** 17 1 1 1

| | genla da marestro la local | Communication and administration of the com- | 18 1 2 1 g |
|-----------|----------------------------|--|-------------|
| | | Mcwer 10 10 Steele | |
| | | Nicellet 32 Mahasha | |
| | | Olmsted 16 000 Waseca | |
| | | Ricerado Sonom De Winona | |
| | | Scott and 15 harmatotal | |
| Police of | Albert at Against Art | Software to proceed the court of the | William two |

The table on page 4 and succeeding pages show 201 farms. Seven farms have been omitted from all the averages in the tables because they differed so widely in type from the others or were not sufficiently complete for a full analysis. The vitamental early is an the optomore that the

de la companya de la companya de la **Type de la carming*** de la cardia de la companya de la companya de la companya

ku an a si anna hit in tromas fi a la sa si tinamin kadi nga afing tingga sa <mark>naght</mark>a gan sa an si a a pagitim kada a Most of the farms are livestock farms on which dairy cattle are the principal scurce of income. Although some milk and cream are retailed in cities, and some milk is sold for shipment to the Twin Cities, cream for manufacture into butter is generally the principal dairy product sold. This is marketed through farmer-owned cooperative creameries specializing in the manufacture of high quality butter. The skimmilk is retained on the farm and fed to hogs and poultry. These two classes of livestock are also an important source of income. The production of the life of the contract of the contract

The principal crops grown are corn, cats, barley and hay. These crops are raised primarily as livestock feed, although a seasonal surplus may be cold. Wheat, sweet corn, canning peas, sugar beets, flax and seed crops are grown to a limited extent as cash crops.

WEATHER, SOIL AND TOPOGRAPHY From the transfer

The year was somewhat warmer and considerably wetter than usual. No unusually high or low temperatures occurred. Weatner conditions were favorable for the early spring farm activities. However, cool wet weather in May retarded growth of vegetation, and the planting of corn and other late crops was sericusly delayed. Conditions were more favorable in June for field work. Small grains and grasses did well in June and July, although it was too cool for corn and scybeans. Heavy rains delayed haying, harvesting, and threshing, and caused considerable damage to grain in shocks and to hay. Heavy rains, heavy snows and freezing temperatures in late September damaged crops considerably, especially ccrn and scybeans.

There is some variation in soil conditions and topography among these counties. The soil varies from sandy loam to a rich black clay loam; the latter type predominates in this area. Some of the farms are level, all tillable and well drained, but most of them are gently rolling with some land too rough or too wet to cultivate. Goodhue, Wabasha and Winona Counties

^{*}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.

have more rolling land than the other counties. Much of the level land is tiled to make possible its cultivation in wet years. However, on a number of farms, there is considerable land which is poorly drained. In much of Goodhue, Dodge, Mower, Olmsted and Winona Counties and in the eastern part of Dakota, Rice and Steele Counties, the soil is lime deficient and applications of lime are necessary in order to grow alfalfa and sweet clover. In the remainder of the area it is not necessary, as a rule, to apply lime in order to grow these two crops.

| | chester | | t Lea | Farib | | St. Pe | ter |
|---|--|--|--|--|--|--|--|
| Precip- itatic | The state of the s | Precip- itation | Depart- ure from normal | | Depart- ure from normal | Precip- itation | Depart- ure from normal |
| Inches | Inches | Inches | Inches | Inches | Inches | Inches | Inches |
| January 0.1 February 0.2 March 3.0 April 1.7 May 6.0 June 6.2 July 5.4 August 7.8 September 7.56 | -0.60 +1.70 3 -0.89 +2.08 +1.67 +2.68 +3.88 0 +4.53 -0.42 | 0.08 0.34 1.42 2.86 4.84 4.36 6.91 3.94 3.98 1.21 | -0.73 -0.57 +0.19 +0.46 +0.60 -0.22 +3.43 +0.29 +0.01 -0.92 | 0.15 0.33 1.55 2.09 5.13 2.54 3.24 5.88 4.85 0.95 | -0.41 -0.33 +0.52 +0.21 +1.91 -1.83 -0.11 +2.47 +1.40 -1.13 | 0.03 0.33 2.52 2.13 2.94 4.33 3.03 1.85 8.41 0.20 | -0.85 -0.37 +1.43 +0.16 -0.47 -0.38 -0.37 -1.61 +4.77 -1.99 |
| November 1.0 December 1.3 1942 Total 41 1941 Total 29 1940 Total 28 L939 Total 21 1938 Total 43 | 7 +0.45 .68 +13.52 .80 +1.64 .87 +0.71 .92 -6.24 | 0.61 0.67 31.22 36.35 27.81 19.74 38.04 | -0.86 -0.28 +1.40 +6.53 -2.01 -10.08 +8.22 | 0.54 1.32 28.57 23.08 23.34 16.28 27.14 | -0.60 +0.69 +2.79 -2.70 -2.44 -9.50 +1.36 | 1.01 1.16 27.94 29.95 38.39 22.49 30.81 | -0.28 +0.45 +0.49 +2.50 +10.94 -4.96 +3.36 |

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, Glen Myers, who visited each farm several times during the year. In addition to securing the supplementary information, the field agent's duties included numerous services, 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.

| Table 2: Summary of Farm Inventories (I Your farm Items | Average of 201 farms | 40 most profitable farms | 40 least profitable farms |
|---|--|--|---|
| Size of farm (acres) Size of business (work units)* | 230 656 | 296 925 | 207 |
| 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 | \$380 3770 1263 655 521 925 163 2552 3133 1181 1421 531 6724 8780 | \$433 5760 1428 771 1369 1440 287 465 3764 4374 1524 2047 803 9059 11602 | \$385 2877 1105 555 260 680 127 150 2113 2643 1032 1223 388 5947 7664 |

*Explanation of term: 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

"Work units."

acre

Total farm capital

Canning peas

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:

21629

| Item | Per | No. of work units | No. of Item Per work units |
|----------------------|---------------------------------------|----------------------|----------------------------|
| Dairy and dual- | cow | 14.5 | Small grain acre .8 |
| purpose cows | | - | Soybeans for grain 1.0 |
| Other dairy & dual-) | | 才", 才 | Sugar beets 3.0 |
| purpose cattle) | animal | | Sweet corn 2 2.5 |
| Beef breeding herd) | unit* | 4.0 | Corn, husked |
| Sheep - farm flock) | | 2.0 | Corn, hogged " 1.1 |
| Hens | 100 hens | 28.0 | Corn, shredded " 2.8 |
| Feeder cattle) | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | • 14. | Corn silage " 2.1 |
| Feeder sheep) | 100 lbs. | •5 | Corn fodder |
| Hogs) | produced | •3 | Alfalfa hay 1.0 |
| Turkeys) | | •7 | Soybean hay |
| Canadana | | | |

^{*}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.

2.0

Other hay crop

| , | Service (1) | | | | |
|---|---------------------------------------|--|--|---------------------------------------|---|
| | | 5 | The second of the contract of | | |
| | 921 T | - | er ennem er er en er | · · · · · · · · · · · · · · · · · · · | |
| Table 3, Summary of | Farm Inv | rentories | (End of Year), | 1942 | 1001 |
| C_{i}^{*} | | Your | Average | 40 most | 40 least profitable |
| | 177 | farm · | of 201 | profitable farms | farms |
| | | Y 21 | 3 - 1 - 1 - 1 | Laims | Laimb |
| lorses | Bit, | \$ | \$ 370 | \$ 418 | \$ 7351 \$ 665 |
| roductive livestock (tota | 1) | 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 4559 | 7393 | 3186 |
| Dairy & dual purpose co | 271 . 3 t 14 | The second second | 1317 | 1492 | 1101 |
| Other dairy & dual purp | | .e | 7148 | 927 | 608 |
| Beef cattle (including | feeders) | | 585 | 1583 | 267 |
| Hogs | 0.07 | (| 1416 | 2367 | 883 |
| Sheep (including feeder | | 000 | 193 | 431 | 444.44.4 179 - 1944.4 179 |
| Poultry (including turk | eys) | 1 | 300 · · · · · · · · · · · · · · · · · · | 593 4822 | 2075 |
| Crop, seeds, and feed Mach. & equipment (total) | *** | | 3013 | 4691 | 2842 · · · · · · · · · · · · · · · · · · · |
| Power mach. (f. share) | the stages. Self-are sur | A training | 1211 | 1621 | 1043 |
| Crop & gen. mach. | September | | 1539 | 2130 | 1349 |
| Livestock equipment & s | upplies | | 617 | 7940 | ic 1000 [450] but last |
| Buildings, fences, etc. | | | 6748 | 9031 | 5944 |
| Land | | | 8780 | 11602 | 7664 |
| | 100 miles | | mental superantal superanta superantal superanta supera | | |
| Total farm capital | d | | | 37957 | 22062 |
| | | | Company to a second | <i>(</i> | - |
| (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | V. C | | - goog I | John Id Toe | Janet Lames (s) |
| Table | 4, Summai | | unt of Liveston Average | 40 most | 40 least |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | form - | | profitable | |
| Items | Maria da de | | farms | farms | farms |
| | | 1.8 | | | agent for the first section of the first section o |
| No. of horses | gva | | 3. 9 | vina 4.4 | |
| No. of colts | # 1 P | <u> </u> | •9 . | 1.0 | |
| No. of dairy & dual purpos | | - | 18.1 | 20.2 | |
| lead of other dairy & dual | | | 18.0 | 21.4 | 16.2 |
| Head of cattle in beef bre | e cattle | rd | 10.0 | 6.9 | 2.5 |
| Pounds of feeder cattle pr | | L VIL. | 1612 | 6438 | 367 |
| | | | ng aran na a senara sa | 8 - 9 To \$10 - 3 A. | |
| Litters of pigs | n de Natala Tempo | 1. C. 1. | 15.7 | 20.8 | 12.5 |
| Pounds of hogs produced | And Anderson | A second | 24383 | 39479 | 16236 |
| Head of sheep (2 lambs $=$ 1 | . head) | | 16.2 | 23.2 | 17.5 |
| No. of hens | A STATE | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 219 | 274 | 168 |
| m | | * | and the second | 48 | |
| Iotal no.of prod.lvstk ani | mal units | 3 | 49.4 | (4.1 | 39.2 |
| % of total that are: | A Company | | And the second s | Tours Name | inaw wort emerci |
| Dairy and dual purpose of | ows | And the second second second | 39.3 FEE | 30.4 | \$10 6 443 34 CB 170 P |
| | | tle | 20.6 | 16.9 | 22.6 |
| Other dairy and dual pur | | | 3.8 | 4.8 | 2.7 |
| Other dairy and dual pur In beef breeding herd | | | | | |
| Other dairy and dual pur In beef breeding herd Feeder cattle | | | 3.0 | 8.9 | 1.0 ♥ |
| In beef breeding herd Feeder cattle Native sheep | etis Dynamic | | . ¥.2 | 4.3 | 5.2 |
| In beef breeding herd Feeder cattle Native sheep Feeder sheep | 68 (S.). | | •jt ᆕ5 | 4.3 1.3 | 5.2 |
| In beef breeding herd Feeder cattle Native sheep Feeder sheep Hogs | etik Marin II | | 14.2 .14 21.5 | 4.3 1.3 21.6 | 20.1 |
| In beef breeding herd Feeder cattle Native sheep Feeder sheep Hogs Turkeys | ett. | | . 14 21.5 2.0 | 4.3 1.3 21.6 7.3 | 20.1 |
| In beef breeding herd Feeder cattle Native sheep Feeder sheep Hogs | 15 N | | 14.2 .14 21.5 | 4.3 1.3 21.6 | 20.1 |
| In beef breeding herd Feeder cattle Native sheep Feeder sheep Hogs Turkeys | eti Visionia | | . 14 21.5 2.0 | 4.3 1.3 21.6 7.3 | 20.1 |

| | <u>-ao.e 7,</u> | ~ diministry U. | f Farm Earr | Your | Averag | 78 40 mos | st 8::40: | least |
|------------------|---|--|--|---|-----------------------------|---|--|------------------------------|
| | | | the above with the specific persons | | | | able pro | |
| T+c | ems Grad | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | The state of the state of the tipe of | 7 C(1 111 | | | far | |
| | M EXPENSES | | en e | The Service Co | | Jan trains | | 1112 |
| | | 200 | em some in major set is once in a significant | | | \$ 28 | | 40 |
| | Horses bought | and the second s | - otra la anada h | - Contract of the Contract of | | 148 | | 40 28 |
| | Dairy and dua | | | | 99 | 9 1 5 103 1 | | |
| | Other dairy & | | | | | 260 860 | | 94 |
| | Beef cattle b | ugnt (i nei) | acing lars. | <u> </u> | | | | 75 |
| | Hogs bought | 7 3 5/4 7 4 4/5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | e 3 5 | | | 364. | | 96 |
| | Sheep bought | | | | _ 53 | | | • |
| | Poultry bough | | ng turkeys, | | 132 | | | 82 20 |
| | Misc. crop ex | penses | And the second of the second of the second | | | 455 | | 28 |
| | Feed bought | ۱ د د دولت سند ر ص | | 1,5416 | | | | 69 |
| | Power mach. (| | | | 223 | | . verbalikiri. Torb | 900 |
| | Power mach. (| | (upkeep) | | 473 | 663 | ं <u>।</u> | - |
| | Custom work h | | , \ | | 164 | 215 | 1 | 37 |
| | Crop and gene | | | | 301 | | _ | 02 |
| | Crop and gene | | | and the second second second second second | 100 | 128 | | 03 |
| | Livestock equ | | | | 163 | 273 | | 22 |
| | Livestock equ | | | | _,66 | and an experience of the control of | electrical and an experience of propagation of the experience of | 61 |
| | Misc. livesto | | | | 123 | 206 | | 82 |
| | Buildings and | | | | 245 | 278 | | 50 |
| | Buildings and | iencing (u | гркеер) | , | 226 | 250 | | |
| | Hired labor | | | | 571 | 982 | | 50 |
| | Taxes | ₹. • | Adjust de des esta d'accesso d' | | 276 | | eged 30 ⋅2 | |
| | Insurance | N. | · · · · · · · · · · · · · · · · · · · | | _ 37 | | dian la .o. | |
| | General farm | | ar a la la area de la la | 1 7.5 | 46 | Z | mest to co | |
| | (1) Total far | | | | _ 5580 | 9358 | .dje ko <u>740</u> : | 28 |
| | (2) Degrease | in farm cap | ital | 200 | | | | |
| | (3) Board fur | | | 3 | | | tang bo ba $f t$ | |
| | (4) Interest | on farm cap | ital | 1 Jan. 11. | | irs 18246 | | - |
| | (5) Unpaid far | | | , | 304 | <u> </u> | | 22 |
| ~1 4 75 | (6) Total far | m expenses (S | Sum of (1) to | 5) | 7365 | 11792 | 1 | 98 |
| | M RECEIPTS | | day or solver and a solver of | • | | ichweg och | នៅ និង ប្រែសាស | 1. |
| | Horses | • | A Section of the second | | | 35 | Harafic L. I | |
| | Dairy and dua | l-purpose c | ows | | 460 | 572 | 5-50 1 3 -30 | |
| | Dairy product | | | | 2078 | 2473 | 161 | 53 |
| 1 | Other dairy an | nd dual-pur | pose cattl | е | | क्ष्मिर्मे स्टेप्स | 3 | 32 |
| - | Beef cattle (: | including f | eeders) | | 639 | 2199 | 1.8 | |
| | Hogs | , | | | 3104 | 4707 | · [alc: 20] | |
| | Sheep and wool | l (includin | g feeders) | | 9400 177 4 | 291 | | |
| | Poultry (inclu | uding turke | ys) | 30000 | 722 | 2333 | 1 | 71 |
| | Eggs | e de la | the sky or a second | | 765 | | . d () 5 % | |
| | Corn | 1 | V - 100 March 2 (100 March 2) | | ili | 173 | | 58 |
| | Small grain | | | | 312 | | and the second s | 58 |
| | Other crops | • | Assessment Comment | | 457 | 670 | win red 3 | |
| 7 | Power machine: | ry sold | | | 78 | 99 | | 32 |
| • | Crop and gen. | mach, sold | A section of the sect | | 149 | 68 | | +6, |
| 1 | | | green procedure on the control of th | • | 142 | 172 | 8 .W.T. | |
| 1 | Misc. | | <u>^</u> | A secolar transfer of the second transfer of the | 119 | 124 | | 08 08 |
| 1 | | | Iarm | | | | -L-(| |
| . : | Income from we | rk off the | | | | | 200 | |
| . : . : | | rk off the | | | 343 | 495 | | <u>53</u> |
| . : . : | Income from wo Agricultural a (7) Total farm | ork off the adjustment n sales | payments | | 343 10005 | 49 <u>5</u> 16325 | 668 | 5 <u>3</u> 36 |
| | Income from wo Agricultural a (7) Total farm (8) Increase | ork off the adjustment m sales in farm cap | payments ital | | 343 10005 1498 | 495 16325 2965 | 668 43 | 5 <u>3</u> 36 33 |
| 1 1 2 1 | Income from wo Agricultural a (7) Total farm (8) Increase in (9) Family liv | ork off the adjustment n sales in farm cap ving from t | payments ital he farm | | 343 10005 1498 576 | 495 16325 2965 700 | 668 143 50 | 5 <u>3</u> 36 33 06 |
| 1 | Income from wo Agricultural a (7) Total farm (8) Increase | ork off the adjustment in sales in farm cap ving from t | payments ital he farm | | 343 10005 1498 | 495 16325 2965 | 668 43 | 53 36 33 26 25 |

| Table 6, Summary of Farm Earnings (Enterprise Statement) 1942 (A) | | | | | | |
|---|--|--------------------|---------------------------|--|--|--|
| | Tour | Average | 40 most | 40 least | | |
| | farm | | profitable | | | |
| Items | | farms | farms - | farms | | |
| en er en | i ki ki jirki ili. Takan | | | | | |
| EXPENSES AND NET DECREASES | | | | A CONTRACTOR OF THE STATE OF TH | | |
| Total power \$ | | | | \$ 734 | | |
| Horses | arana s | 191 | | | | |
| Tractor | 1 14 461 | 266 | | | | |
| Truck the percent of a condition | | 88 | 19 1 34 - Fraid | | | |
| Auto (farm share) | 49.0%/49.00 | 127 | 139 | 122 | | |
| Gas engine (farm share) | | | r Proble 4 Califor | | | |
| Elec. plant or current (farm share | э) | 60 | , marki 71 Amus - | | | |
| Hired power | 90 apr. 30 | | 112 paid | | | |
| Crop and general machinery | | 5,48 | 339 | | | |
| Livestock equipment | | | 180 M A | | | |
| Buildings, fencing and tiling | | == 334 == | 19 416 97 98 | 324 | | |
| Misc. productive livestock expense | | J J.4 | 201 | 78 | | |
| Labor | | 1093 | 161+7 | 865 | | |
| Real estate taxes a real section and the | The state of the s | 235 | 314 | 206 | | |
| Personal property tax | | With $h_{f 1}$ and | 56 | 31 | | |
| Insurance | · · · · · · · · · · · · · · · · · · · | 37. | 58 | 30 | | |
| General farm | | 15 | 51 | 43 | | |
| Interest on farm capital | The second second second second | 130 ⁾ + | 1824 | 1092 | | |
| (1) Total expenses & net decreases | | 4399 | 6206 | 3764 | | |
| RETURNS AND NET INCREASES | | | | | | |
| All productive livestock | the entire transfer against to | 8833 | 14435 | 5727 | | |
| Dairy and dual purpose cows | | 2538 | 3063 | 500,4 | | |
| Other dairy & dual purpose cattle | | 743 | 9,40 | 568 | | |
| Beef breeding herd | * | 1)+7 | 5,18 | 39 | | |
| Feeder cattle | | 26,7 " | 1087 | 56 | | |
| Hogs | | 3494 | 5505 | 2276 | | |
| Sheep - farm flock | | 137 | 203 | 132 | | |
| Sheep - feeders | | 17 | 64 | 0 | | |
| Turkeys | | 498 | 1936 | 0 | | |
| Chickens | | - 1992 - | 1389 | 652 | | |
| Crops, seed and feed | | - 338 J | -857 | - 312 | | |
| Income from work off the farm | A 144 | 119. | 124 | 108 | | |
| Agricultural conservation payments | | 343 | 495 | 263 | | |
| Miscellaneous | | 156 | · 207 | 105 | | |
| (2) Total returns & net increases | · (2 | 911.3 | 1,4,40,14 | 5891 | | |
| (a) m-4 a | | 11700 | 6006 | 776): | | |
| (1) Total expenses & net decreases | | 14399 | 6206 | 37614 | | |
| (3) Oper.labor earnings(2) - (1) | · *. | 4714 | g 198 | 2127 | | |

⁽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 in page 6.

ANALYSIS OF THE REASONS FOR DIFFERENCES IN OPERATOR'S EARNINGS

The operator's labor earnings varied widely arong 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 \$8198 and of those in the lower 20 per cent was \$2127. This is a range of \$6071 between the average earnings of these two groups. Some of the causes for these differences in earnings may be beyond the control of the farmer. However, all of these farmers could make some changes in their farming operations which would increase earnings. A farmer can secure some ideas as to changes that could profitably be made on his farm by studying the facts about his business as presented in this report and comparing his accomplishments with other farmers following the same general type of farming. The more important management factors affecting earnings and their relationships with earnings are presented in the following tables. These factors vary from year to year in their relative influence on earnings. Because of the great importance of size of business in 1942 some of these factors do not show a significant relationship with earnings.

| Table 7. | Relation of | Crop Yields | to Farm Earnings |
|-----------|-----------------------|-------------|--|
| Per cent | crop yields | | |
| were of | the average | | Average operator's |
| for all a | 201 farms | farms | labor earnings |
| Group | Average | | |
| | | | A control of the point of the p |
| Below 85 | 72 | 32 | # 19#\$3288 ################################### |
| 85-114 | - 4 - 99 | 127 | 4640 |
| 115 and a | above 125 | γtS | 5874 |
| | and the second second | 11.1 | |

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. Relat | ion of Choic | e of Crop | s to Farm Earnings |
|---|----------------------|-----------------|------------------------|
| Per cent of til | lable land | . o . | |
| in high return | crops* | of | Average operator's |
| Group | Average | farms | labor earnings |
| Below 35.0 35.0 - 50.9 51.0 and above | 31.4 43.0 58.7 | 38 129 34 | \$4645 4644 5057 |

^{*}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, barley, winter wheat, 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 Q. Relation of Returns From Productive Livestock to

| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | Fa | rm Earnin | ្ត ន | | e in the second |
|--|---------------|-----|-------------------------------|--------------|-----------------------------|--------------------|
| en e | Index of retu | | | | erage opera | |
| And the state of t | fed to produc | | | f la aims | bor earning | 3 |
| and Stiff Indiana | aroup. | | 450 T | | - 1 × 5 × 1 × 1 × 1 × 1 × 1 | |
| and the second of the second o | Below 92 | | est dagi. H Çiliye ya sike | | \$44,12 | 100 (A) 400 (A) |
| gandra extremely and great | 92-109 | 99 |) | 85 | , 48 ,1 0 | eseili |
| | 110 and above | 122 | 2 | 56 | 4847 | |

*The index is weighted by the number of animal units of each class of livestock.

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

Table 10. Relation of Amount of Productive Livestock to

| | Farm Ear | nings | |
|-------------------|--------------------------|----------------|------------------------|
| Productive livest | ock | | |
| units per 100 acr | es* No. | of Av | erage operator's |
| Group Avera | ge $\mathbf{f} \epsilon$ | rms la | bor earnings |
| 21.0-28.9 24 | •1 •7 •9 | 60 91 50 | \$4474 4348 5670 |

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

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

'Table 11. Relation of Size of Business (Work units)

| Days of produc | | No. of | Average operator's |
|----------------|---------|--------|--------------------|
| Group | Average | farms | labor earnings |
| Below 500 | 411 | 37 | \$2889 |
| 500-799 | 628 | 107 | 4432 |
| 800 and above | 990 | 57 | 6430 |

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.

Table 12. Relation of Amount of Work Accomplished per Worker

| · | to Farm Earnings |
|--------------------------|---|
| Work units per worker | No. of Average operator's |
| Group Av | erage farms labor earnings |
| 275-349 | 238 61 \$3748 308 80 4904 405 60 5445 |

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

| Expense per work unit | | No. of | Average operator's |
|------------------------------|-----------------|-------------|--------------------|
| Group | Average | farms | labor earnings |
| \$0.7E | ф т. О О | 7.0 | ė) izod |
| \$2.75 and above \$1.70-2.74 | \$3.29 2.19 | . 38 124 | \$4308 4712 |
| Below \$1.70 | 1.36 | 39 | 5119 |

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

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 average. This is well illustrated in Table 14.

> Table 14. Relation of Operator's Labor Earnings to the Number of Factore in Which the Farmer to Above Average

| | , | factors | in which the farmer is Above Average |
|---|----------------------------|--------------|--|
| No. of factors in which farmer excels* | No. of farms | Your farm | The length of the shaded lines operator's are in proportion to the average labor operator's labor earnings |
| None One Two Three Four Five or six | 15 39 44 57 39 | | ************************************** |

^{*}No farmers were above average in all seven factors.

The array in Table 14 indicates that it will be worth while for each copperator 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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| | - 1 to 1 t | garager jar | iciency, 1944 | 40 Lea |
|--|--|---|--|--|
| Measures used in chart | Your farm | Average of 201 farms | profit- able | profit able farms |
| Operator's Labor Earnings | - <u>\$100 1100 1</u> 200 | \$4714 | \$8198 | \$2127 |
| (1) Crop yields* | | 100 | 107 | 88 |
| (2) $\%$ of tillable land in high return crops** | | 43.5 | 7 - 77 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 | 41.9 |
| (3) Ret.for \$100 feed to prod.livestock*** | | 100 | 102 | 96 |
| (4) Prod. livestock units per 100 acres**** | A Committee of the Comm | 25.2 | 28.7 | 23.2 |
| (5) Size of business - work units | 1 | 690 | 925 | 561 |
| (6) Work units per worker | All parts | 316 | 389 | 293 |
| (7) Pow., mach., equip., & bldg. exp. per work uni | \$ | \$2.23 | \$2.22 | \$2.55 |
| (3) Index of return for \$100 feed from - | | 100 | 07 | 100 |
| (3) Index of return for \$100 feed from - Dairy cattle | | 100 | 97 | 100 |
| Dual purpose cattle | - | 100 | 79 | 100 |
| Beef breeding herd | | 100 | 102 | 70 |
| Feeder cattle | | | | 78 |
| | | 100 | 112 | 90 |
| Hogs | | 100 100 | 112 107 | 90 |
| Hogs Native sheep | | | | 90 89 |
| - | | 100 | 107 | 90 |
| Native sheep | | 100 100 100 | 107 108 - | 90 89 99 |
| Native sheep Feeder sheep | | 100 100 | 107 108 | 90 89 99 |
| Native sheep Feeder sheep Turkeys | | 100 100 100 100 | 107 108 - 96 103 | 90 89 99 - - 88 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops | | 100 100 100 100 100 | 107 108 - 96 103 249 | 90 89 99 - 88 |
| Native sheep Feeder sheep Turkeys Chickens | | 100 100 100 100 | 107 108 - 96 103 | 90 89 99 - - 88 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units | | 100 100 100 100 100 182 475 33 | 107 108 - 96 103 249 643 33 | 90 89 99 - 88 150 384 27 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units 6) Total number of workers | | 100 100 100 100 100 182 475 33 | 107 108 - 96 103 249 643 33 | 90 89 99 - 88 150 384 27 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units 6) Total number of workers Number of family workers | | 100 100 100 100 100 182 475 33 | 107 108 - 96 103 249 643 33 | 90 89 99 - 88 150 384 27 2.0 |
| Native sheep Feeder sheep Turkeys Chickens (5) Work units on crops Work units on productive livestock Other work units | | 100 100 100 100 100 182 475 33 | 107 108 - 96 103 249 643 33 | 90 89 99 - 88 150 384 27 |
| Native sheep Feeder sheep Turkeys Chickens (5) Work units on crops Work units on productive livestock Other work units (6) Total number of workers Number of family workers Number of hired workers | \$ | 100 100 100 100 100 182 475 33 2.2 1.4 | 107 108 - 96 103 249 643 33 2.8 1.5 | 90 89 99 - 88 150 384 27 2.0 1.3 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units 6) Total number of workers Number of family workers Number of hired workers 7) Power expense per work unit | \$ | 100 100 100 100 100 182 475 33 2.2 1.4 .8 | 107 108 - 96 103 249 643 33 2.8 1.5 1.3 | 90 89 99 - 88 150 384 27 2.0 1.3 .7 \$1.34 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units 6) Total number of workers Number of family workers Number of hired workers 7) Power expense per work unit Crop machinery expense per work unit | \$ | 100 100 100 100 100 182 475 33 2.2 1.4 .8 | 107 108 - 96 103 249 643 33 2.8 1.5 1.3 | 90 89 99 - 88 150 384 27 2.0 1.3 .7 \$1.34 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units 6) Total number of workers Number of family workers Number of hired workers 7) Power expense per work unit Crop machinery expense per work unit Livestock equip.expense per work unit | \$ | 100 100 100 100 100 182 475 33 2.2 1.4 .8 \$1.20 .36 .18 | 107 108 - 96 103 249 643 33 2.8 1.5 1.3 \$1.22 .36 | 90 89 99 - 88 150 384 27 2.0 1.3 .7 \$1.34 .44 |
| Native sheep Feeder sheep Turkeys Chickens 5) Work units on crops Work units on productive livestock Other work units 6) Total number of workers Number of family workers Number of hired workers 7) Power expense per work unit Crop machinery expense per work unit | \$ | 100 100 100 100 100 182 475 33 2.2 1.4 .8 | 107 108 - 96 103 249 643 33 2.8 1.5 1.3 | 90 89 99 - 88 150 384 27 2.0 1.3 .7 \$1.34 |

^{*}Given as a percentage of the average.

^{**}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.

^{***}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 management efficiency. The averages for the 201 farms included in this summary are located between the dotted lines across the center of this page.

| • | • | | And the Color of the second section is | | (0) | | Johnson William |
|--------------------|--------------------|----------------|--|-------------|-------------------|----------------|-------------------|
| Oper. | | (| Return | Pr. 1. | S,• / / | Work | Pow., mach., |
| labor | 1.14 | High | from pro- | 7 (4) | (a) <u> </u> | units | eq., & bldg. |
| earn- | Crop | return | ductive | per | Work | per | exp. per |
| ings | yields | crops | livestock | 100 A. | units | worker | work unit |
| \$8800 | 140 | 63.5 | 140 | 41.0 | 1170 | 475 | \$.65 |
| \$000U | 140 | 00.UE | 140 | * 7 | | | |
| 0.500 | 7 | 27 A | 3 | 70.0 | | , , | |
| 8300 | 135 | 61.0E | 135 | 39.0 | (1110 - 7 / 7 / 7 | 455 | .85 |
| | - 1:E | <u> </u> | - | = | | | |
| 7800 | 130 | 58.5 | 130 | 37.0 | 1050 | 435 | 1.05 |
| \[\frac{\tau}{2}\] | | | - | | | | |
| 7300 | 125 | 56.0 | 125 | 35.0 | 930 | 415 | 1.25 |
| = | _ | | | | | E | |
| 6800 | 120 | 53.5 | 120 | 33.0 | 930 | 395 | 1.45 |
| | _ | | 10.5 m. 10.00 m. 10.0 | <u> </u> | | Fil | |
| 6300 | 115 | 51.0 | 115 | 31,0 | 870 | 375 | 1.65 |
| | | 2 | | 88 <u>=</u> | (1) | : □ = 1 | to At Elizabeth |
| 5800 | 110 | 48.5 | 110 | 29.0 | 810 | 355 | 1.85 |
| <u> </u> | El | | | Εl | = | E | |
| 5300 | 105 | 46.0 | 1.05 | 27.0 | 750 = | 335 | 2.05 |
| ; - | landari landari | , J., Bran, "A | | 7.2 | 78 E | | |
| 4800 | 100 | 43.5 | 100 | 25.0 | 690 | 315 | 2.25 |
| 4800 4714 | | | | | | | a, Indus Indus in |
| 4300 | 95 | 41.0 | 95 | 23.0 | 630 | 295 | 2.45 |
| =000 | - | TT • 0 | | 20.0 | - | ~~E | |
| 3800 | 90= | 38.5 | 90 E | 21.0 | 570 | 275 | 2.65 |
| = | | - | | | | | |
| 3300 | 85 | 36.0 | 85 | 19.0 | 510 | 255 | 2.85 |
| | | | | <u> </u> | | | |
| 2800 | 80 E | 33.5 | 80 | 17.0 | 450 | 235 | 3.05 |
| ~ E | | = | | | = | = | |
| 2300 | 75 | 71 0 | 75 | 15.0 | 390 | 215 | 3.25 |
| 2300E | | 31.0 | / 3 = | 10.0 | 530 | | |
| 1800 | 70 | 28. 5 | 70 | 13.0 | 330 E | 195 | 3.45 |
| 1,000 | | | E | | | | |
| 1300 | 65 | 26.0 | 65 | 11.0 | 270 | 175 | 3.65 |
| E | | 20.0 | | 11. | 210 | - ' '- | = |
| 上し | | 上人 | 上人 | 片 | く とく | | , FI |
| \bigcup | \bigcup | \cup | \bigcirc | | | | |

| Table 16, Distri | buti | on of Ad | res | in Far | m, 1942 | | |
|-----------------------------------|--------------------------------|------------|---|---------------|-------------|---|---|
| Crop: (A) (B) (C) and (D) refe | ľ | No. | | Your | Average | 40 most | 40 least |
| to ranking used in calculating | | growin | 1 <i>E</i> ; | farm | | profit- | profit- |
| % of tillable land in High | ` | this | | | farms | able | able |
| Return Crops (see page 12) | - 15 | crop | 10.00 | 341 | | farms | farms |
| | 100 | Arrio III. | Terra Tall | The Color | A State of | | |
| Canning peas | (A) | 21 | | | 1.5 | 3.3 | 0 |
| Flax | (B) | 89 | | | .7.0 | 9.3 | 3.7 |
| Barley | (B) | 115 | • | | 11.6 | 17.5 | 11.7 |
| Winter wheat | (B) | 81 | | | 4.9 | 7.8 | 3. 6 |
| Spring wheat | (0) | . 25 | | **** | • 9 | 1.0 | •7 |
| Oats and barley | (C) | 102 | | | 14.8 | 22.8 | 11.7 |
| Oats and wheat | (C) | 27 | • | | 2.0 | 2.2 | 1.9 |
| Oats | (D) | 124 | • | | 15.1 | 16.2 | 14.5 |
| Rye | (D) | 14 | - · • | | . 9 | 2.0 | •6 |
| Soybeans for grain | (D) | 72 | • | | 4.8 | 7.3 | 4.4 |
| Miscellaneous | (D) | 14 . | | | •5 | . 8 | .2 |
| Total small grain and peas | | 197 | · | | 64.0 | 90.2 | |
| Sugar beets, hybrid seed corn. | | | , , , , , , , , , , , , , , , , , , , | | 04.0 | 90 s c | 53.0. |
| potatoes and truck crops | (A) | 100 | | | 2.6 | 3.2 | 2.7 |
| Sweet corn | (B) | 30 | - | | 1.9 | 2.6 | 63 |
| Corn grain | (B) | 201 | • | 1 | 35.0 · | 52.5 | 27 . 6 |
| Corn silage | (c) | 164 | | | 8.6 | 9.5 | 8.2 |
| Corn fodder | (Œ) | 24 | - | | •5 | •1 | •7 |
| Total cultivated crops | | | · - | | | | |
| Alfalfa hay | (A) | 201 189 | | | 48.6 | <u>67.9</u> | 39.5 |
| Red clover hay | (B) | 1 | - | | 21.0 | 27.5 | 17.8 |
| Soybean hay | ·(c) | 53 27 | - | | 3.9 | 4.7 | 5.9 |
| Mixed legumes & non-legumes | (0) | 39 | - j - | - | •9 | .9 | •6 |
| Legumes for seed | (c) | 11 | <u>, -</u> | | 2.9. | 3.5 | 3.4 |
| Timothy and/or brome | $\langle (\mathbb{D}) \rangle$ | 38 | \$ | | 1.4 | 1.1 | 9 (|
| Timothy seed | (D) | 10 | · - | -1 | •5 | 1.3 | 1.7 |
| Other annual hay | . (D) | 9 | - | | •3 | •6 | • <u>2</u> |
| Total tillable land in hay | | | _ | | | | ****** |
| Alfalfa pasture | (A) | 200 61 | | | 31.6 | 39.7 | 30.3 |
| Sweet clover pasture | (B) | - 39 | · ' - | | 2.1 2.4 | 4.1 | 1.0 |
| Mixture inc.alf., sw.clov., brome | (B) | 47 | *** | | ∠•4 11.7 | 4.9 | 2.1 |
| Other legumes and mixtures | (c) | 51 | , | | 4.3 4.7 | | 4.2 |
| Sudan grass or rape pasture | (c) | 43 | - | | | 6.4 | 2,8 |
| Other tillable pasture | (\mathbb{D}) | : 87 | i. ku | | 1,5 | 1.3 | 7 |
| | | | 1 | · i | 7.2 | 11.2 | 4.9 |
| Total tillable land in pastu | | 185 | · | | 22.2 | 32.3 | 15.7 |
| Tillable land not cropped | (D) | 60 | _ | . | 2.9 | 2.4 | 14.0 |
| Total tillable land | | ; | | | 169.3 | 232.5 | 142.5 |
| Phalaris hay (non-tillable) | | 22 | | | 1.7 | •6 | 3.9 |
| Wild hay (non-tillable) | | · 73 | | | 4.1 | 5.2 | 2.5 |
| Non-tillable pasture | | 168 | <i>i</i> = = | | 29.3 | 29.9 | 32.6 |
| Timber (not pastured) | | 88 | - :: - | * | 9.0 | 7.3 | 11.8 |
| Roads and waste | . 4 | | | | 10.1 | 12.1 | 7•9 |
| Farmstead | | | 200 S | | 6.8 | 8.5 | 6.0 |
| | | | | | | | *************************************** |
| Total acres in farm | | | | | 230.3 | 296.1 | 207.2 |
| % land tillage | | •£, ''. | | | 74.4 | 80.3 | 70.0 |
| % tillable land in high return | crop | s | | | 43.5 | 74.4 | 41.9 |
| · | - | · | j | | | engline en e | |
| | ÷ | . . | , | | | | |
| | | | | | | X | |
| | | | | | | | |

en service de la companya della companya de la companya della comp

| | • | | A Company Company | | | |
|--|--|---|--|-----------------------------------|--------------------------|--------------------------|
| e de la companya del companya de la companya del companya de la co | Table 17. | Crop Yi | | Acre, 1942 | | |
| 12.3 | 1 1 | 1300 | Your | Average | 40 most | 40 least |
| 1 HA | the second second | 45 | farm | 20 1 | profitable | profitable |
| Crop | | <u> III</u> | | faras | farms | farms |
| O • • • • • • • • • • • • • • • • • • • | | | Ժ | ¢71 00 | \$28.50 | |
| | value above se | ed cost | φ | \$31.92 | F 24 W | 4.23 A 7 |
| Flax, bu. | 1.14 | | and the state of the state of the state of | 10.6 | 10.7 | 10.7 |
| Barley, bu. | (i) | | | 28.1 | 30.7 | 24.4 |
| Winter wheat, | | | | 25.3 | 24.1 | |
| Spring wheat, | bu. (E) | (* * * * * * * * * * * * * * * * * * * | | 20.7 | 1. 1. 22 • Harrison | 19.7 |
| 요하다. | | V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | ** ** | 1.1 | SECTION OF THE | 1. And 24. |
| Oats and barl | | 125 | | 777 8 | 46.6 | 40.4 |
| Oats and whea | t, bu. | | | 45.2 | 47.9 | 41.6 |
| Oats, bu. | 2. 法(4 | | | 49.3 | | 43.9 |
| Rye, bu. | The second of th | Nije v | | 15.4 | 16.3 | 18.6 |
| Soybeans for | grain, bu. | | | 9.9 | 9.0 | 9.3 |
| | | | A transport of the state of the | | | |
| | | | | 3.6 61.2 9.2 2.6 | 3.7 | 52.4 52.1 3.2 |
| Alfalfa hay, Red clover ha Soybean hay, Mixed legume Legumes for s | y, tons tons & non-legume ha | y, tons | | 2.7 2.1 1.4 1.6 130.1 | 2.8 2.2 1.5 1.8 | 2.4 1.9 1.3 1.4 |
| Timothy seed, Other annual | r brome hay, to lbs. hay, tons or non-tillable | ri Lita | | 202.9 1.4 | 2 <u>.</u> 5 | |
| Wild hay, ton | t | ons | | 1.4 4.4 • 9 · | 1.6 A. | 2.3 |
| 1 1 | | | a street of a single state of | | | |

ANTERIOR DE LA COMPANION DE LA LA COMPANION DE LA COMPANION D LA COMPANION DE LA COMPANION D LA COMPANION DE LA COMPANION DE

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Table 18 Factors of Cost and Returns From Dairy Cows. 1942

| A CONTRACT OF THE CONTRACT OF | Cou r | Average cf 174 farms | 35 farms highest in butterfat por cow | 35 farms lowest in butterfat per cow |
|---|--|----------------------------|--|---|
| Pounds of butterfat per cow | | 253 | 327 | 184 |
| Feeds per ccw, lbs.: | v. | 904 | 1128 | 656 |
| Small grain | | _ 1027 | 1307 | 8.38 |
| Com. feeds - under 25% protein | | 84 | 122 | 50 |
| Ccm. feeds - cver 25% protein | | 111 | 182 | 59 |
| Legume hay. | Encountries and in the second | 4068 | 4534 | 3278 |
| Other hay | | 287 | 226 | 433 |
| Fcdder and stover | | 195 | 81 | .283 |
| Total concentrates | | 2126 | 2739 | 1603 |
| Total dry roughage | | 4550 | 11811 | 3994 |
| Silage | and the second | 5805 | 5218 | 6004 |
| Total digestible nutrients* | | 4909 | 5468 | 4224 |
| T. D. N. per lb. B. F. | | 19.9 | 16.8 | 23.1 |
| % T. D. N. that is protein | | 14.4 | 15.1 | 13,6 |
| Feed cost per cow: | the state of the s | | | to gradina state of the second |
| Concentrates | \$ | \$28,28 | \$37.15 | \$21.16 |
| Roughages | | 24.72 | | 22,26 |
| Pasture | and the second second | <u>5.29</u> | 5.02 | 5.30 |
| TOTAL FEED COSTS | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | \$58,29 | \$67.90 | \$48.72 |
| Value of produce per cow: | | | | |
| B. F. Sales | \$ | _ \$\$15.99 | \$149.68 | \$78.58 |
| Dairy produce used in house | | 5.34 | 5.77 | 5.52 |
| Milk to livestock | | _ 14.77 | 18,65 | 12.31 |
| Net increases in value of cows | | 7.05 | 8.43 | 5.82 |
| TOTAL VALUE PRODUCED | * | \$143.15 | \$182.53 | \$102.23 |
| RETURNS ABOVE FEED COST PER COW | \$ | \$84.86 | \$114.63 | \$53.51 |
| RETURNS FOR \$100 OF FEED | \$ | \$251.00 | \$274.00 | \$222.00 |
| Price received per 1b. B. F. sold | | | | |
| As manufacturing cream (cents) | | <u> </u> | 7777-8 | 孙.0 |
| As mkt. mk. & cm. & mk.for chee | | 59.0 | 58.7 | 60.8 |
| Feed cost per lb.B.F. (cents) | s.) | 23.5 | 20.8 | 26.5 |
| % fall freshening | | 58.2 | 56.7 | 55.0 |
| Number of cows** | | 18.8 | 18.6 | 18.6 |
| | | - | | . • |

^{*} Not including nutrients received from pasture.

^{* *} 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.

| SARI jevač ara | | | L7 - | | man sa | r 45.87 |
|---|---|--|--|--|--|------------------------------------|
| and Table 19, Feed Cos as verses in the angle values and control to | | | | r Dairy Catt Average | 34 farms highest in butterfat | 35 farms lowest in butterfat |
| Items | | | | | per:cow* | per cow |
| Feeds per head, lbs.: Concentrates | | aum Montradiam a tro tip is grow intradiction in to | | 477 | 627 | 438 |
| Hay and fodder | | ediça | | - 477 1781 | 1975 | 1520 |
| Silage | 1 1 4 1 11 2 7 | The second secon | | 2127 | 1954 | 1(00 |
| Whole milk | 74 | and the construction of the following of | | 430 | 572 | * 332 * 300 065 |
| Skim milk | 79) - | the street of several sections | | 985 | 1189 | 965 |
| #### | \$ \$75 B | | | | Men s | ne ceal. |
| Feed cost per head: Concentrates | day. | ¢: | e. | \$ 6.56 | \$ 8.74 | \$ 6.00 |
| Roughages | 18 . 18 . 18 . 18 . 18 . 18 . 18 . 18 . | | | _ \$ 0.00 9.10 | 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | ್ಲಿ 8 . 27 |
| Milk | , | | | 9.80 | 12.75 | 7.86 |
| Pasture | - Kara | | | ា i.92 ំ | 1.69ac | 1.97 |
| TOTAL FEED COST | 'S | \$ | | \$27.38 | \$33.06 | \$24.10 |
| Net inc. in value of | other da | iry cattl <u>e</u> | - | _ \$42 <u>.92</u> | \$53.09 | \$35•79 |
| RETURNS ABOVE FEED CO | ST PER H | EAD <u>\$</u> | ting and a second s | _ \$15.54 | \$20.03 | \$11.69 |
| RETURNS FOR \$100 OF F | EED | \$ | na a de puesta esta esta de la decidada e | \$168 | \$177 1873 200 3 | \$1 53 |
| Number of head of oth | er dairy | cattle _ | | 18.0 | 18.0 | 16.5 |
| | | | | | DO Nor, regar paras | 10 1 5 80 15 Pa |
| Table 20, Feed Cos | ts and I | Returns Fro | om All | Dairy Cattl | e, 1942 | 77. |
| | | | Your farm | of 174° | 35 farms highest in | 35 farms lowest in |
| | | . () | T ST 111 | farms | butterfat | butterfat |
| Items | | 1 T. T. C. Angert Conference | | o silon ki d | per cow | per cow |
| Feeds per animal unit | , 1bs.: | ap call tradicional to the control of the control o | | ************************************** | | |
| Concentrates | | . da a la representa interesales deservi- | Ç | | . 2196 | 1436 |
| Hay and fodder | ja talaka. T | in a consequent to see that the second of | | 4158 | 4427 | 3498 |
| Silage | V(1) (A. 18) | - La | ···· | 5181 5 | _{>>} 4680 | 5353 |
| Feed cost per animal | * * | i use levels a liberary manufflicture man | | | | |
| Concentrates | | \$ | | \$22.93 | \$29.88 | \$17.81 |
| Roughages | | <u> </u> | | 22.12 | 23.17 | 19.81 |
| Pasture | e dat | sweety | | 4.77 | 4.44 | 4.81 |
| TOTAL FRED COST | S | \$ | | \$49,82 | \$57.49 | \$42,43 |
| W-3 | • | • 1 | · · · · · · · · · · · · · · · · · · · | · Comment of the comm | • | |
| Value of produce per Dairy products | | 1.I.U.; | | \$ 65 71 | \$108.10 | \$60 E) |
| Net increase in va | | iry cottle | <i>y</i> | \$ 85.31 30.81 | 4TO0.TO | \$60.54 |
| TOTAL VALUE PRO | DUCED | 121y Cavo <u>1</u> | , | \$116.12 | 36.83 \$144.93 | \$85.88 |
| RETURNS ABOVE FEED PE | | *************************************** | | \$66.30 | \$87.44 | \$43.45 |
| RETURNS PER \$100 OF F | EEĎ | • and the second | | \$239 | \$260 | \$2 1 5 |
| Animal units of dairy | | | | | 27 . 8 | 27.2 |

^{*}Several farmers having both a dairy and a beef herd used a beef bull and included all the young stock in the beef herd.

| Table 21, Factors of Cost and | Returns from | Dual Purpo | se cows, 19 | |
|--|--|----------------------------------|--|--|
| | Your farm | Average of 23 | highest in | |
| Items | WAS TO SERVE | farms | butterfat per cow | butterfa per cow |
| Pounds of butterfat per cow | | 189 | 227 | 151 |
| Feeds per cow, lbs.: Corn Small grain | Annual Control of the | 929 780 | 11 7 1 902 | 490 490 |
| Com. feeds - under 25% protein Com. feeds - over 25% protein | | 18 86 | 17 69 | 73 |
| Legume hay Other hay | | 3207 700 | J | 305 3 |
| Fodder and stover | | 224 | 172 | 39 |
| Total concentrates Total dry roughage Silage | | 1813 4131 4960 | 2159 4526 3286 | 1 ¹ 457 3285 5708 |
| Total digestible nutrients* | And the second s | 3956 | 4522 | 2757 |
| F.D.N. per 1b. B. F. Z. T.D.N. that is protein | | 23.4 13.7 | 19.8 13.9 | 25.3 14.2 |
| eed cost per cow: | | gån n Ang | To miller or or | |
| Concentrates Roughages Pasture | <u>\$</u> | \$ 23.65 20. 97 | | • |
| TOTAL FEED COSTS | \$. | \$50.39 | 6.08 \$53.85 | 5.95 \$45.60 |
| Value of produce per cow: B. F. sales | , Za∮s mara ma q ama materia | | ************************************** | # 12 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| Dairy produce used in house Milk to livestock | Ψ | 7.39 | 10.31 | 4.58 |
| Net increases in value of cows TOTAL VALUE PRODUCED | \$ \$ | 10.40 \$106.27 | 7.17 \$123.34 | 11.31 16.76 \$92.98 |
| RETURNS ABOVE FEED COST PER COW | \$ | \$55.88 | \$69,49 | \$47.38 |
| RETURNS FOR \$100 OF FEED | \$. | \$232 | \$252 | \$209 |
| Price received per 1b. B. F. sold As manufacturing cream (cents) As mkt. mk.&cm. & mk.for theese | | 144.5 57.1 | 114.1 £лете <u>н</u> поере | 44.1 |
| eed cost per 1b. B. F. (cents) | | | 23.5 | territain |
| fall freshening | | | 874 51.9 m | |
| Tumber of cows | | | 12,9 | |

CHARLES WRITE IN STATE TO SECURE

| Table 22 | 100 C 100 100 100 100 100 100 100 100 10 | | 组织 人名 一位 位元 | 7777 77 | Tornoo | Sifarmo | 8 farms |
|--|--|--|--|--|--|---|---|
| The second secon | وروود را می در دارمی میدند که داده میده ده داده میده داده در در در داده داده داده داده داد | | WII O I | | | | |
| l drowel ni | | IIs to | | 1a,rm | of 22 | highest in | |
| | | | er gi | | farms* | returns | returns |
| Items | 027224577 | 10 2 17 18 5 1 | 5. | | | above feed | . above fe |
| Feeds per he | ad. 1bs.: | | and the second second second second second | er et er er et er er er | and the second s | terran reporter management and responsible responsibilities and an experience of the second | Projection of the contract of |
| Concentra | • | | | | 58 1 | 537 | 587 |
| | odder | grades og like | | | 10 20 773 | · 1795 | |
| | O do G 1 | - Consideration Continues and American Continues of Continues and Continues and Continues and Continues and Co | more and State of State of the State of the State of the State of | The second control of the second of the seco | 7 67) | 1399 | 701526 |
| Silage | \$14 ° 15 | € K3.1 | | | _ | 0EC 55 | 267 |
| Whole mil | .K | 9991 | Approximately as the standard region of | | 290 | | 201 |
| Skim milk | e de la partir de la companya de la La companya de la co | OVATA OVATA | Colored Color (g. Colored Science Scie | | 1129 | 1375 | ាជ ា 882 |
| 17.40 | The Date | | has the state of the property | | | | And world |
| leed cost pe | r head: | 167 | e magatago de agas, los mespagos los | | | - TOMORES I | uma istati 🕬 . |
| Concentra | | 3170 - | | \$ | \$ 7.43 | \$ 7.01 | \$ 7.35 |
| Roughages | | 1.50 | | | 8.20 | 7.80 | 7.68 |
| Milk | 'aşî | SŜ | the set to be a supply to the second state. | | 8.16 | 8 US 4 | 6.93 |
| | | | had no distributed the highest and having in | | | | 0• <i>9</i> |
| Pasture | 42-6022 | 07.8.5 | £12. | | T•20 | ing 11:75% | 2.19 2.19 |
| 100 cm - 10 | FEED COSTS | | and bearings in supplied by the second of $\frac{1}{2}$ | ఫ | \$25.65 | ₱24. 58 € | \$24.15 |
| I f A de de | | 58.01 | Specifical and the second and pro- | | | . , | |
| Vet increase | in value | 18.4 | Stand & Charleston Standards and Standards and | \$ | \$41.94 | \$54.25 | \$28.64 |
| | The second of the second | ES NO | Parameter promotion as assumed again | | • | | 6 642 TO 165 |
| RETURNS ABOV | E FEED COST | I PER HEAD | D 1 | \$ | \$16.29 | \$29.67 | \$ 4,49 |
| | | | | | i dina isa | ing ter our | oru ku k |
| RETURNS FOR | STOO OF FE | en 36 3 | Ş. | \$ | \$167 | | \$119 |
| CEL ORIVO I OIL | \$100 OF FIRE | ر جا کست انهای ۱۹۹۱ م | menter at transport region and the | <u> </u> | Tamban ta i | ealev of sec | e e e e e e e e e e e e e e e e e e e |
| Salara Salara | | | the state of absorber water, the set of the | *** | | 000022 .3 Ja | |
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| Tumber of he | ad· | | T | | | 2200 L.S. | |
| <u> </u> | Care Service | | a copyright of the control of the copyright of | | Janua 223 11 Dual Pui | rpose Cattle | |
| <u> </u> | Care Service | | a copyright of the control of the copyright of | | Janua 223 11 Dual Pui | rpose Cattle | |
| Çevê ş Ta ble | 21,540 23, Feed (| Costs and | a copyright of the control of the copyright of | From A. Your | 11 Dual Pur Average | rpose Cattle | 8 farms |
| Çewêş Table | 21,540 23, Feed (| | a copyright of the control of the copyright of | From A Your farm | 11 Dual Pur Average | rpose Cattle 8 farms | 8 farms |
| Table | 21,540 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | JAHRA ANT 11 Dual Pur Average of 23,55 | rpose Cattle 8 farms highest in | 8 farms lowest i |
| Table | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | Dial Pur Average of 23, | rpose Cattle 8 farms highest in returns above feed | 6 farms lowest i returns above fe |
| Table tems eeds per an | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | Il Dual Pur Average of 23.55 | rpose Cattle 8 forms highest in returns above feed | 6 farms lowest i returns above f∈ |
| Table tems eeds per an Concentra | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dual Pur Average of 23, farms | rpose Cattle 8 farms highest in returns above feed | 8 farms lowest i returns above fe |
| Table tems eeds per an Concentra Hay and f | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | Dial Pur Average of 23 farms farms 1494 3729 | rpose Cattle 8 farms highest in returns above feed | farms lowest i returns above fe |
| Table tems eeds per an Concentra | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dual Pur Average of 23, farms | rpose Cattle 8 farms highest in returns above feed | 8 farms lowest i returns above fe |
| Table tems eeds per an Concentra Hay and f | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dual Pur Average of 23, farms farms 3729 4003 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 | 8 farms lowest i returns above fe 1699 3520 4884 |
| Table tems ceds per an Concentra Hay and f Silage | 23, Feed (| Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dual Pur Average of 23, farms farms 3729 4003 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 | 8 farms lowest i returns above fe 1699 3520 4884 |
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| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra | imal unit, tes odder | Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dual Pur Average of 23, farms farms 14940 3729 4003 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 | 8 farms lowest i returns above fe 1699 3520 4884 |
| Table Items Teeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages | imal unit, tes odder | Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dial Pur Average of 23.5 farms farms 3729 4003 4003 419.48 18.13 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 | 8 farms lowest i returns above fe 1699 3520 4884 |
| Table Teeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture | imal unit, tes odder reanimal units | Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dial Pur Average of 23, farms farms 3729 4003 4003 419,48 18,13 4,98 | rpose Cattle 8 forms highest in returns above feed 1358 4484 2635 \$17.95 18.80 | 8 farms lowest i returns above fe |
| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture | imal unit, tes odder | Costs and | a copyright of the control of the copyright of | From A Your farm | 11 Dial Pur Average of 23.5 farms farms 3729 4003 4003 419.48 18.13 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 | 8 farms lowest i returns above fe 1699 3520 4884 |
| Table Table Items Feeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL | imal unit, tes odder | Costs and | Returns The second of the sec | From A Your farm | 11 Dial Pur Average of 23, farms farms 3729 4003 4003 419,48 18,13 4,98 | rpose Cattle 8 forms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5:11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL | imal unit, tes odder ranimal units | Costs and | Returns The second of the sec | From A Your farm | 11 Dual Pur Average of 23, 5 farms a farms a 1494.0 3729 4003 4003 4004 \$19,48 18.13 4.98 \$42.59 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL | imal unit, tes odder ranimal units | Costs and | Returns The second of the sec | From A Your farm | 11 Dial Pur Average of 23, farms farms 3729 4003 4003 419,48 18,13 4,98 | rpose Cattle 8 forms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5:11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Talue of pro | imal unit, tes odder ranimal unit, tes duce per arducts | losts and | Returns The second of the sec | From A Your farm | 11 Dial Pur Average of 23, farms farms 3729 4003 4003 519,48 18.13 4.98 342.59 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Talue of pro Dairy pro Net incre | imal unit, tes odder ranimal units tes duce per arducts ase in value | losts and | Returns The second of the sec | From A Your farm | 11 Dual Pur Average of 23 farms farms 3729 4003 4003 \$19.48 18.13 4.98 \$42.59 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
| Table Items Teeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Value of pro Dairy pro Net incre | imal unit, tes odder ranimal unit, tes duce per arducts | losts and | Returns The second of the sec | From A Your farm | 11 Dial Pur Average of 23, farms farms 3729 4003 4003 519,48 18.13 4.98 342.59 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
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| Table tems eeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Alue of pro Dairy pro Net incre | imal unit, tes odder ranimal unit, tes odder FEED COSTS duce per and ducts ase in value PRODU | los.: | Returns And the second of the | From A Your farm | 11 Dual Pur Average of 23 farms farms 3729 4003 4003 \$19.48 18.13 4.98 \$42.59 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 |
| Table Table Table Teeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Talue of pro Dairy pro Net incre TOTAL RETURNS ABOV | imal unit, tes odder FEED COSTS duce per arducts ease in value PRODU | los.: niti: ANIMAL UI | Returns And the second of the | From A Your farm | 11 Dial Pur Average of 23, farms farms 1494, 3729 4003 4003 819,48 18.13 4.98 342.59 \$49.89 388.71 \$46.12 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 \$62.62 41.71 \$104.33 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 \$43.53 31.76 \$75.29 |
| Table Table Table Teeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Talue of pro Dairy pro Net incre TOTAL RETURNS ABOV | imal unit, tes odder FEED COSTS duce per arducts ease in value PRODU | los.: niti: ANIMAL UI | Returns And the second of the | From Al Your farm | 11 Dual Pur Average of 23 farms farms 1494 3729 4003 \$19.48 15.13 4.98 \$49.89 38.82 \$88.71 \$46.12 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 \$62.62 41.71 \$104.33 | 8 farms lowest i returns above fe 1699 3520 4884 \$21.86 18.71 4.84 \$45.41 \$45.41 \$45.41 |
| Table Items Feeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Value of pro Dairy pro Net incre ETURNS ABOV | imal unit, tes odder FEED COSTS duce per arducts ease in value PRODU | los.: niti: ANIMAL UI | Returns And the second of the | From Al Your farm | 11 Dual Pur Average of 23 farms farms 1494 3729 4003 \$19.48 18.13 4.98 \$42.59 \$49.89 38.82 \$88.71 \$46.12 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 \$62.62 41.71 \$104.33 \$62.47 | 8 farms lowest i returns above fe 1699 3520 4884 . \$21.86 18.71 4.84 \$45.41 \$43.53 31.76 \$75.29 |
| Table Table Table Teeds per an Concentra Hay and f Silage Feed cost pe Concentra Roughages Pasture TOTAL Talue of pro Dairy pro Net incre TOTAL RETURNS ABOV | imal unit, tes odder ranimal unit, tes duce per and ducts ase in value VALUE PRODU | los.: los.: nit: ANIMAL UI | Returns And the second of the | From Al Your farm | 11 Dual Pur Average of 23 farms farms 1494 3729 4003 \$19.48 18.13 4.98 \$42.59 \$49.89 38.82 \$88.71 \$46.12 | rpose Cattle 8 farms highest in returns above feed 1358 4484 2635 \$17.95 18.80 5.11 \$41.86 \$62.62 41.71 \$104.33 | 8 farms lowest i returns above fe 1699 3520 4884 . \$21.86 18.71 4.84 \$45.41 \$43.53 31.76 \$75.29 |

^{*}One farmer having both a dairy and a beef herd used a beef bull and included all the young stock in the beef herd.

| | | 2.00 | Agree of T | | | | A section of the sect |
|--|--|---|--|---------------------------------------|---|--|--|
| $\phi = f \circ \phi \circ (\tilde{x} \circ \tilde{x})$ | | 1 | -20 | | | | |
| | Frank to the set | 26 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | 7,0 | | | | |
| i i i i i i i i i i i i i i i i i i i | able 24, F | eed Costs | and Retu | | | | **** |
| | | 42.8 | | Your farm | Average of all | Farms highest in | Farms lowest in |
| | | | See a second second | 181111 | farms | returns | returns |
| Items | | | and register to the state of th | | | | l above feed |
| | | | The transmission . | | -00 | 11^1 | Magnicia. Magnicia |
| Beef breeding Feeds per ani | | | | | 22 | 11 | 11 |
| Concentrat | | ∪S.e.• | e e e e e e e e e e e e e e e e e e e | | 1239 | : 1618 | * ************************************ |
| Legume hay | | | the form of the | | 1856 | 2051 | 1662 |
| Other hay | | | er and a second of | | 540 | 482 | 597 |
| Fodder and | . stover | | | | 29 7 | 420 3770 | 1 7 3 25 7 0 |
| Silage Skim milk* | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | · · · · · · · · · · · · · · · · · · · | 3170 55 7 | 97.70 451 | 663 |
| Whole milk | | | | | 28 | 40 | 17 |
| Feed cost per | animal un | it: | | | | | |
| Concentrat | es | #\$. \$.15 | * * | \$ | \$15.70 | \$20.64 | \$10.76 |
| Roughages Milk* | | | *************************************** | | 12.82 | 14.26 | 11.37 |
| Pasture | K M TO S | | | | 6.29 | 6.19 | 6.39 |
| TOTAL H | TEED COSTS | A Commence | | \$ | \$36,62 | \$42.90 | \$30.34 |
| Value of prod | | imal unit: | and an instance of | - 4 | The state of the sta | and the second s | en en en jelje en jegen en jelje en |
| Dairy prod | | o of opin- | -1 ~ | \$ | \$.96 | \$ •78 84•25 | \$ 1.14 34.85 |
| | ase in valuo VALUE PRODUO | | 3.1. 8 | 8 | 59.55 \$60.51 | \$85.03 | \$35.99 |
| 1000年 | r i Mageri Grand Legista Million | | 11 (1 f) (1 k) 12 (1 f) (2 f) | | | | |
| RETURNS ABOVE | FEED COST | PER ANIMA | AL UNIT | \$ | \$23.89 | \$42.13 | \$ 5.65 |
| RETURNS FOR | | n | | * | · A | dood | A-1 |
| THUS TO THE A | STOO OT TEEP | ע | | \$ | \$173 | \$208 | \$137 |
| Number of cow | | | | \$ | \$173 12.6 | \$208 8•7 | |
| | s and herd | bulls | rd | \$ | • • • • • • • | المحادثات فرأسا الكائمة الجاج | |
| Number of cow Number of ani | vs and herd mal units | bulls in the her | rd | \$ | 12.6 25.8 | 8.7 | 16.5 |
| Number of cow | s and herd mal units : : no. of fa: | bulls in the her rms: | | 5 | 12.6 25.8 28 | 8.7 17.0 | 16.5 34.6 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn | no. of far. | bulls in the her rms: duced, lbs | | \$ | 12.6 25.8 28 | 8.7 17.0 | 16.5 34.6 9 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai | no. of far beef product | bulls in the her rms: duced, lbs | 3 • \$ | \$ | 12.6 25.8 28 690 78 | 8.7 17.0 | 16.5 34.6 9 886 130 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds | no. of far. beef process. | bulls in the her rms: duced, lbs | 3.: | \$ | 12.6 25.8 28 690 78 | 8.7 17.0 9 644 8 | 16.5 34.6 9 886 130 2 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds | no. of far beef products: - under 25 | bulls in the her rms: duced, lbs | 3.: | \$ | 12.6 25.8 28 690 78 3 | 8.7 17.0 9 644 8 1 | 16.5 34.6 9 886 130 2 41 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay | no. of far. beef production. under 25 | bulls in the her rms: duced, lbs | 3.: | \$ | 12.6 25.8 28 690 78 | 8.7 17.0 9 644 8 1 25 | 16.5 34.6 9 886 130 2 41 365 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay | no. of far. beef production. under 25 | bulls in the her rms: duced, lbs | 3.: | \$ | 12.6 25.8 28 690 78 3 33 273 | 8.7 17.0 9 644 8 1 25 215 110 | 16.5 34.6 9 886 130 2 41 365 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and | no. of far. ino. of far. beef product - under 25 | bulls in the her rms: duced, lbs 5% protein % protein | 3.: | \$ | 12.6 25.8 28 690 78 3 33 273 273 74 804 | 8.7 17.0 9 644 8 1 25 215 110 177 | 16.5 34.6 9 886 130 2 41 365 33 14 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry | no. of far. beef process - under 25 | bulls in the her rms: duced, lbs 5% protein % protein | 3.: | | 12.6 25.8 28 690 78 3 33 273 77 74 804 | 8.7 17.0 9 644 8 1 215 110 177 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage | no. of far no. of far beef productions - under 25 - over 25 stover entrates roughages | bulls in the her rms: duced, lbs 5% protein protein | | | 12.6 25.8 28 690 78 3 33 273 273 74 804 | 8.7 17.0 9 644 8 1 25 215 110 177 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per | s and herd mal units: no. of fa: no. of fa: no. of fa: no. of fa: seef product no. under 25; seef stover entrates roughages cwt: beef | bulls in the her rms: duced, lbs 5% protein protein | | \$ | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage | no. of far no. of far beef production. no. over 25% shower 25% stover entrates roughages | bulls in the her rms: duced, lbs 5% protein protein | | \$ | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 | 8.7 17.0 9 644 8 1 215 110 177 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture | s and herd mal units: no. of fa: no. of fa: no. of fa: no. of fa: server 25; stover 25; stover 25; cut: beef | bulls in the her rms: duced, lbs 5% protein protein | | \$ | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$8.14 1.69 .14 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL F | s and herd mal units: no. of fa: no. of fa: beef prod n - under 25 s - over 25 s - over 25 s cut: beef es | bulls in the her rms: duced, lbs 5% protein protein | | \$ | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$8.14 1.69 .14 \$9.97 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL H | s and herd mal units: no. of fa: no. of fa: beef product n under 25 cover 2 | bulls in the her rms: duced, lbs 5% protein protein produced: | | \$ \$ \$ | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$8.14 1.69 .14 \$ 9.97 \$17.89 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$16.34 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL F | s and herd mal units: no. of far. no. of far. beef product n under 25 n under | bulls in the her rms: duced, lbs 5% protein produced: produced: | | - | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 \$ 4.53 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$ 8.14 1.69 .14 \$ 9.97 \$17.89 \$ 7.92 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$19.00 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL F | s and herd mal units: no. of fa: no. of fa: beef prod n under 2! stover entrates roughages cwt: beef es FEED COSTS in value of FEED COST | bulls in the her rms: duced, lbs 5% protein protein produced: ffeeders PER CWT. D | BEEF PRO | \$ \$ \$ \$ D. | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 \$ 4.53 \$154 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$ 8.14 1.69 .14 \$ 9.97 \$17.89 \$ 7.92 \$197 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$16.34 \$ \$.90 \$109 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL FOR STURNS FOR STRETURNS FOR STRET | s and herd mal units no. of far heef prod n - under 25 s - over 25 s tover entrates roughages cwt: beef es FEED COSTS in value of the feet costs and herd herd the costs for the costs and herd the costs the c | bulls in the her rms: duced, lbs 5% protein protein produced: f feeders PER CWT. D beef sold | BEEF PRO in 1942 | \$ 5 | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 \$ 4.53 \$154 \$11.69 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$ 8.14 1.69 .14 \$ 9.97 \$17.89 \$ 7.92 \$197 \$12.07 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$190 \$11.65 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL FOR STETURNS FOR STET | s and herd mal units no. of fa: no. of fa: o beef prod n n n n n n n n n n n n n n n n n n n | bulls in the her rms: duced, lbs 5% protein protein produced: f feeders PER CWT. D beef sold | BEEF PRO in 1942 | \$ 5 | 12.6 25.8 28 690 78 3 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 \$ 4.53 \$154 \$11.69 \$11.46 | 8.7 17.0 9 644 8 1 25 215 110 1.77 678 502 277 \$ 8.14 1.69 .14 \$ 9.97 \$17.89 \$ 7.92 \$197 \$12.07 \$11.17 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$16.34 \$.90 \$109 \$11.65 \$11.36 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL FOR SPICE receive Price paid for No. of animal Pounds of bee | s and herd mal units no. of fa: no. of fa: o beef prod n n under 25 n units n reder call n reduced | bulls in the her rms: duced, lbs 5% protein produced: produced: produced: f feeders PER CWT. D beef sold attle boug | BEEF PRO in 1942 ght in 19 | \$ \$ 42 | 12.6 25.8 28 690 78 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 \$ 4.53 \$154 \$11.69 \$11.46 20.3 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$ 8.14 1.69 .14 \$ 9.97 \$1.69 \$ 7.92 \$197 \$12.07 \$11.17 34.8 20368 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$16.34 \$190 \$109 \$11.65 \$11.36 15.6 7889 |
| Number of cow Number of ani Feeder cattle Feeds per cwt Corn Small grai Com. feeds Com. feeds Legume hay Other hay Fodder and Total conc Total dry Silage Feed cost per Concentrat Roughages Pasture TOTAL FOR STETURNS FOR STET | s and herd mal units no. of fa: no. of fa: o beef prod n n under 25 n units n reder call n reduced | bulls in the her rms: duced, lbs 5% protein produced: produced: produced: f feeders PER CWT. D beef sold attle boug | BEEF PRO in 1942 ght in 19 | \$ \$ 42 | 12.6 25.8 28 690 78 33 273 77 74 804 424 394 \$ 9.89 1.82 .24 \$11.95 \$16.48 \$ 4.53 \$154 \$11.69 \$11.46 20.3 | 8.7 17.0 9 644 8 1 25 215 110 177 678 502 277 \$ 8.14 1.69 .14 \$ 9.97 \$1.69 \$ 7.92 \$197 \$12.07 \$11.17 34.8 20368 | 16.5 34.6 9 886 130 2 41 365 33 14 1059 412 514 \$13.01 2.14 .29 \$15.44 \$16.34 \$190 \$109 \$11.65 \$11.36 15.6 7889 |

| Table 25, Feed Costs and Return | Your | Average | Farms | Farms |
|--|--|---------------------------------------|--|--|
| w. The second of | farm | of all farms | highest in returns | lowest in returns |
| Items | | Tarms | above feed | |
| Native sheep: no. of farms: | ······································ | 65 | 13 | 13 |
| Feeds per head, * lbs.: | | | | |
| Concentrates | | 75 | 92 | 70 |
| Legume hay | | 221 | 220 | 213 · |
| Other hay | | 1,4 | 11 | 7 · |
| Fodder and stover | | 26 | 15 | 6, |
| Silage | | 126 | 92 | 76 |
| Feed cost per head: | regard to the | | UPRIST OF FIRE NO. | · · · · |
| Concentrates | \$ | \$ •95 | \$ 1.14 | \$. |
| Roughages | 25. | 1.10 | 1.08 | .94 |
| Pasture | | •96 | | |
| TOTAL FEED COSTS | \$ | \$ 3.01 | \$ 3.17 | \$ 2.76 |
| a galagang aya kasang ay yanganga 😁 | 4 | , , , , , , , , , , , , , , , , , , , | 6 18 18 | |
| Value of produce per head: Wool | ¢ | \$ 2.86 | \$, 2, 9 1 ., + . | \$ 2 71 |
| Net increase in value of sheep | <u>Ψ</u> ; | 5.92 | 10.23 | \$ 2.71 |
| TOTAL VALUE PRODUCED | \$ | \$ 8.78 mg | \$13.14 | \$ 4.56 |
| 그 사람들이 되는 사람들에 가는 사람들이 되었다. | . Y - 11 (3) | in the war fact | and the second of the second o | ese ± Ψα, 1 • 20 - s - |
| RETURNS ABOVE FEED COST PER HEAD | \$ | \$ 5.77 | \$ 9.97 | \$ 1.80 |
| RETURNS FOR \$100 OF FEED | \$ | \$319 | \$446 | gar 3210 gg |
| Price per cwt. of lambs sold | \$ | \$12.89 | \$13.32 | \$12.75 |
| Price per'lb. wool sold (cts.) | T | 1+1.2 | 40.4 | 40.8 |
| Pounds of wool per sheep sheared | Service of the service | 9.0 | 9.5 | 9.0 |
| Number of ewes kept for lambing | | 32.2 | 22.5 | .28.0 |
| lamb crop** | | 93.6 | 106.1 | 73.8 |
| 6 death loss** | | 6.8 | 2.9 | 8.2 |
| No. of head of sheep* | | 48.8 | 33.2 | 44.1 |
| Feeder sheep: no. of farms | | 14 | | |
| Feeds per cwt. sheep produced, lbs.: | | | | |
| Concentrates | and the state of the state of | 965 | | edysele ik toli Tarihi kari |
| Legume hay | | 6/12 | | |
| Other hay | (11) | Q | | region to separate the second |
| Fodder and stover | | 103 | | rekli sa silatera e Hereken di satu |
| Silage · | | 289 | | |
| | ; | | | |
| Feed cost per head: | .5 | à- a | , | |
| Concentrates Roughages | Ф | \$12.03 | | esti. |
| Pasture . | | 2.88 48 | | |
| TOTAL FEED COSTS | ₹ | | *** | |
| | Ψ | \$15.39 | 2 · · • | |
| Net Increase in value of sheep | \$ | \$16.38 | * * * * * * * * * * * * * * * * * * * | |
| RETURNS ABOVE FEED COST PER CWT. PROD. | \$ | £ . | | |
| | Ψ | \$.•99 | * • • | |
| | | | | |
| RETURNS FOR \$100 OF FEED | \$ | \$129 | | |
| RETURNS FOR \$100 OF FEED Price per cwt. sheep sold Pounds of sheep produced | \$ 5 | \$129 \$12.27 4506 | | |

^{*}Two lambs under 6 mo. of age considered as one head.

**Lambs which die before reaching 6 wks. of age are not included.

Table 26, Feed Costs and Returns From Hogs and Chickens, 1942 Your Average Farms farm of all highest in lowest in farms returns Items above feed above feed Hogs: No. of farms: 198 Feed per cwt. hogs produced, lbs.: 289 443 350 Small grain 121 154 Com. feeds - under 25% protein 5 6 Com. feeds - over 25% protein 21 17 497 Total concentrates 393 625 Skim milk, buttermilk and whey 202 189 218 Feed cost per cwt. hogs produced: Concentrates \$ 6.56 \$ 5.17 \$ 8.16 .49 Skim milk, buttermilk and whey •140 •43 Pasture .20 TOTAL FEED COSTS \$14.25 \$14,71 Net increase in value per cwt. hogs prod. \$ RETURNS ABOVE FEED COST PER CWT. HOGS PROD\$ \$ 7.09 \$ 8.97 RETURNS FOR \$100 OF FEED \$207 \$255 \$153 Price received per cwt. hogs sold \$13.24 \$13.32 \$13.27 16.0 Total no. of litters raised 14.8 15.6 No. of pigs born per litter 8:0 8.7 7.5 No. of pigs weaned per litter 6.3 6.8 5.9 % of two-litter system . 48.7 62.1 33.1 24763 Pounds of hogs produced . 27023 21725 Chickens: No. of farms: 184 Feed per hen, lbs.: Grain 92 99 112 Commercial feeds 24 28 3ĺ Total concentrates 127 143 116 Skim milk and buttermilk 20 18 10 Feed cost per hen: Concentrates \$ 2.23 \$ 2.50 \$ 2.01 Skim milk and buttermilk •04 £04 .02 TOTAL FEED COST \$ 2.27 Value of produce per hen: Eggs sold and used in house \$ 3.51 \$ 4.42 \$ 2.46 Net increase in value of chickens 1.82 TOTAL VALUE PRODUCED \$ 6.24 RETURNS ABOVE FEED COST PER HEN \$ 2.15 \$ 3.70 \$.61 RETURNS FOR \$100 OF FEED \$200 \$251 \$134 Price rec'd per doz. eggs sold (cts.) 29.0 29.3 28,2 Eggs laid per hen 146 182 105 No. of hens 238 217 223 % of hens that are pullets 90 75

Table 27, Feed Costs and Returns for Turkeys, 1912 Your Average 7 farms 7 farms farm of 15 highest in lowest in farms returns returns above feed above feed Items. Feed per cwt. turkeys produced, lbs.: 384 422 Grain 54 Com. feeds - under 25% protein Com. feeds - over 25% protein Total concentrates Skim milk Feed cost per cwt. turkeys produced \$11.90 \$12.17 Value of produce per cwt.turkeys prod. \$ 3.63 Eggs and poults 26.45 Net increases in turkeys TOTAL VALUE PRODUCED A RETURNS ABOVE FEED COST PER CWT. * TURKEYS · PRODUCED \$19.93 RETURNS FOR \$100 FEED \$292 \$211 Price rec'd per 1b. turkey sold (cts.) Pounds of turkeys produced 22212 Table 23, Feed Costs for Horses and Misc. Power and Machinery Expense, 1942 Your Average 40 most 39 least farm of 198 profitable farms* farms Items Feed per horse, **1bs.: 1944... Grain 4860 5060 4934 220 Fodder and stover Feed costs per horse: \$24.23 Grain \$21.07 \$18,47 15.43 Roughage 15.38 15.79 Pasture 3.80 TOTAL FEED COSTS Number of work horses 14.0 3.8

203.6

\$ 3.65

\$ 3.01

\$ 1.68

150.0

\$ 3.19

Tractor and horse exp.per crop acre

Crop and general mach.exp.per crop acres

Number of colts

Crop acres per farm

^{*}Three farmers did not have horses. The crop acres and expenses per crop acre are averages of 201 farms.

^{**}Two colts equal one horse.

| | Your | Average 201 farms | | 46 least profit- able | Your farm | Average 201 forms | | 40 leas profitable |
|-------------------------------------|------|-------------------------|---------------------|-----------------------------|----------------|-------------------------|-------------------------|--------------------|
| tems | | | farms | farms | | | farms | farms |
| o.of persons (F dultequiv. (Othe | | 3.3 .6 | 3•6 <u>.</u> •9 | 2.7 •5 | | | | |
| holemilk | | 1240 qts. | 11114 | 1011 | () | \$54.34 | \$59.32 | \$44.64 |
| kim milk | | 256 qts. | | 190 | | 1.41 | 2.40 | •90 |
| ream | | 212 pts. | 281 | 191 | | 31.24 | 38.97 | 30•48 |
| arm made butte | r | - lbs. | | tomb . | | .08 | | •09 |
| ggs | | 195 doz. | | 72 | | 52.19 | 58.45 | 36.31 |
| attle | 1: | 346 lbs. | • | 264 | · | 31.48 | 49.57 | 24.10 |
| ogs 💮 | | 512 lbs. | | 532 | | 64.98 | 74.35 | : 69.30 |
| neep | : | 4 lbs. | | 7110 | | .41 | 77 07 | 00.00 |
| oultry | | 152 lbs. | | 140 | | 25.38 | 33.91 | 22.89 |
| otatoes | + ~ | 20 bu. | 22 | 18 | | 19.04 45.42 | 21.07 48.84 | 15.80 43.12 |
| egetables&frui arm fuel | | 6 cds. | 6 | 5 | ., | 32.06 | 33.58 | 26.39 |
| ental vl.of ho | 1100 | O Cus. | . 0 | י | | | 279.41 | 191.78 |
| isc.(wool, honey | | Mark to the second | Same and the second | | | <u>26</u> | <u>-</u> | •50 |
| otal | | | , | | 4 | 575.62 \$ | 6 99 . 87 | \$506.30 |

| Table 30, Household and Perso | |
|---|---|
| Those Farms Which Kept Complete Acco | ounts of These Expenses, 1942 |
| Your farm | |
| | farms able able |
| Items | farms farms |
| Number of persons - family | 4.5 4.9. 3.8 |
| Number of persons, (Family adult equivalent (Other* | 3.4 3.6 2.9 .6 1.1 .4 |
| 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 | \$\\\ \text{137} \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| Church, welfare, gifts and income tax 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 | 139 183 114 85 95 80 43 49 41 29 44 32 432 434 289 |
| Total household and personal cash expenses | 1876 2211 1476 |
| Food furnished by the farm Fuel furnished by the farm House rental | 3 ⁴ 3 385 328 32 30 33 21 ⁴ 278 173 |
| Total household and personal expenses | 2465 2904 2010 |

^{*}Hired help or others boarded.

Table 31, Summary of Farm Earnings by Counties, 1942

| | | Dodge & Fr | | Goodhue | | Olmsted | Rice & | | Waseca & | • |
|----------------------------|---------------------------------------|---------------------------------------|------|--------------|----------|-----------|--------|---------------|---------------|--------|
| | <u> 1</u> 14 | Mower bo | rn | & Dakota | Nicollet | & Wabasha | Scott | Steele | Le Sueur | Winons |
| FARM EXPENSES | | . | | | | | | orio a de la | | |
| Cattle bought | 2 | 512 \$ | 470 | \$ 173 | \$ 1060 | \$ 313 | \$ 187 | \$ 401 | \$ 248 | \$ 375 |
| Hogs bought | | 75 | 190 | 131 | 284 | 200 | 78 | 181 | 253 | 401 |
| Sheep bought | | 366 | 11 | . 16 | . 18 | 3 | 7 | 5 | 57 | _26 |
| Poultry bought | | 123 | 64 | 127 | 81 | 117 | 164 | 102 | ,147 | 306 |
| Feed | | | .210 | 1297 | 1781 | 1000 | 1104 | 1397 | 1579 | 188 |
| Other livestock expense | | 131 | 144 | 103 | 133 | . 66 | 105 | 151 | 143 | 144 |
| Crop expense | | 361 | 251 | 345 | 239 | 262 | 177 | 317 | 252 | 41 |
| Power mach. and equipment | | | .306 | 1469 | 1558 | 1410 | 986 | 1283 | 1513 | 185 |
| Custom work hired | | 197 | 187 | 30/1 | ~ 102 | 1-77 | 270 | 79 | 31 135 135 | 18 |
| Buildings | | 578 | 336 | 445 | 453 | 365 | 370 | 914 | 144 | 14 |
| Hired labor | | 563 | 493 | 754 | 499 | 446 | 469 | 675 | 740 | 52 |
| Taxes, insurance and misc. | | 387 | 348 | 397 | 284 | 426 | 301 | 393 | 345 | 39 |
| (1) Total purchases | | 6030 | 010 | 5401 | 61-62 | 4752 | 4218 | 5 8 98 | 5854 | 696 |
| (2) Decrease in capital | | | _ | | • | ; | - i | — · | | |
| (3) Board to hired labor | • | 135 | 183 | 209 | 185 | 120 | 182 | 154 | 205 | 20 |
| (4) Unpaid family labor | | 265 | 201 | 348 | 385 | 249 | 292 | 332 | 232 | 1.3 |
| (5) Int. on farm capital | | | 281 | 1344 | 1375 | 1273 | 1028 | 1355 | 1397 | 136 |
| (6) Total expenses | 14 | 7731 | 5675 | 7302 | 8107 | 6394 | 5720 | 7739 | 7688 | 896 |
| | | e e e e e e e e e e e e e e e e e e e | | | | | | | | |
| FARM RECEIPTS | | | | | 172 | S. 4 | | | | |
| Cattle sales | | | 542 | \$ 1302 | \$ 2276 | \$ 1279 | \$ 845 | \$ 1521 | \$ 1153 | \$ 206 |
| Dairy products | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 2132 | 2337 | 1503 | 2192 | 21.95 | 1784 | 1655 | 261 |
| Hogs | | | 655 | 2012 | 3909 | 2394 | 1734 | 3886 | Płócy i | 284 |
| Sheep and wool | | | 148 | 214 | 47 | 116 | 50 | 140 | ž48 | 32 |
| Poultry and eggs | | 1468 | 730 | 2086 | 800 | 338 | 1621 | 1053 | 2449 | 255 |
| Crops | . 17 | 1045 | 560 | 1379 | 897 | 621 | 421 | 1164 | 997 | 88 |
| AAA payment | | 331 | 397 | 336 | 348 | 491 | 372 | 318 | - 348 | 31 |
| Misc. cash receipts | | 425- | 532 | 44.1 | 272 | 317 | 477 | 488 | 287 | 51 |
| (7) Total farm sales | | | 696 | 10107 | 10052 | 8248 | 8015 | 10354 | 11141 | 1210 |
| (8) Increase in capital | | | 134 | 1367 | 2582 | 1572 | 1223 | 1125 | 1112 | 137 |
| (9) Family living from far | ·m | 542 | 484 | 5 7 9 | 637 | 520 | 589 | 553 | 597 | 65 |
| (10) Total receipts | | | 314 | 12053 | 13271 | 10340 | 9827 | 12032 | 12850 | 1413 |
| (6) Total expenses | | | 675 | 7302 | 8107 | 6394 | 5720 | 7739 | 7688 | 896 |
| (11) Oper. labor eamings | 100 | | 1639 | 4751 | 5164 | 3946 | 4107 | 4293 | 5162 | 516 |

Table 32, Miscellaneous Information - Averaged by Counties, 1942

| Table 32, | | | | Averaged | by councies | | | This access to | |
|--------------------------------------|----------------------------|-------------------|---------------------|---|-----------------|---------------|---------|--|---------------|
| | 0 | Free- | Goodhue | | Olmsted | Rice & | G1 3 | Waseca & | THI. |
| | Mower | born | & Dakota | Nicollet | & Wabasha | Scott | Steele | Le Sueur | Winona |
| FARM INVENTORIES (Beginning of year) | | | | | | | | a 177 | Jb 700 |
| Horses | * 408 | \$ 350 | \$ 368 | \$ 370 | \$ 327 | \$ 393 | 342 | \$ 463 | \$ 387 |
| Productive livestock | 4015 | 3743 | 3271 | 4301 | 3715 | 2765 | 4067 | 3979 | 3905 |
| Crop, seed and feed | 2909 | 2519 | 2935 | 2182 | 2210 | 1652 | 2847 | 310L | 2859 |
| Mach. and equipment | 3094 | 2833 | 3640 | 3207 | 2939 | 2373 | 3326 | 3292 | 3530 |
| Buildings | 6583 | . 6830 | 7131 | 6960 | 6467 | 5725 | 7685 | 6276 | 7094 |
| Land | 8301 | 8721 | 8848 | 9194 | 9015 | 7028 | 8266 | 10271 | 8726 |
| Total farm capital | 25310 | 25046 | 26193 | 26214 | 24673 | 19936 | 26533 | 27385 | 26501 |
| MEAS.OF FARM ORG.AND MANAGEMENT EFFI | | | | | | | | | |
| Crop yields - % of ave. | 94 | 92 | 102 | 105 | 96 | 106 | 95 | 104 | 101 |
| % high return crops | 38.4 | 41.6 | 42.2 | 43.5 | 39.7 | 49.5 | 48.0 | - 45.4 | 1,3.1 |
| Index ret. from livestock | 105 | 96 | 1.05 | 91 | 102 | 110 | 95 | 99 | 100 |
| A. V. livestock per 100 A. | 23.3 | 27.7 | 23.3 | 24. | 25.5 | 21.3 | 25.8 | | 27.9 |
| Work units | 711 | 746 | 705 | 673 | 643 | 572 | 695 | 714 | 791 |
| Work units per worker | 338 | 377 | 297 | 295 | 334 | 269 | 299 | 315 | 335 |
| | 5 O O7 | | \$ 2.34 | \$ 2.13 | \$ 2.05 | \$ 2.34 | \$ 2.37 | \$ 2.66 | \$ 2.06 |
| | 3. c . e . [| .yg ±⊌∪ ⊊. | . %. - •) 4 | <i>□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ </i> | | ₩ -•2+. | · -•// | W | |
| DISTRIBUTION OF ACRES IN FARM | 71.8 | 51.9 | 77.9 | 72.0 | 66.6 | 45.1 | 54.4 | 58.8 | 73.6 % |
| Small grain | 5L • 1 | 56.1 | 39•9 | 59.2 | 41.5 | 32 . 5 | 49.3 | 55•1 | 73.6 R W.2 |
| Cultivated crops | 34·4 | | | 25.3 | 35.2 | 27.0 | 26.7 | 26.0 | 46.4 |
| Tillable hay land | | | 35.0 | | | 11.4 | 14.9 | 15.1 | 29.0 |
| Tillablepasture | 31.1 | 25.8 | 28.6 | 13.7 | 34.7 | 186.8 | 211.0 | 230.7 | 278•5 |
| Total acres in farm | 236.8 | 233.0 | 229•3 | 232.3 | 237.9 | | | | 73.0 |
| % land tillable | 82.4 | 75.2 | 1 80.1 | 75.9 | 75•3 | 64.7 | 73.2 | 69.8 | 10•0 |
| CROP YIELDS PER ACRE | | - 1 | | | / | | | | 7.0 F |
| Flax, bu. | 9.2 | 8.4 | 11.8 | 8.7 | 12.6 | 15.2 | 10.0 | | 10•5 |
| Barley, bu. | 23.2 | | 25.0 | 30.0 | 23.6 | 36.3 | 26.9 | 28.8 | 27.1 |
| Oats, bu. | 47.7 | 40.0 | 49.7 | 52.4 | 43.1 | 56.4 | 55.8 | 53•1 | 47.0 |
| Corn, grain, bu. | 55•6 | 57.0 | 62.9 | 56. 0 | 65.1 | 60.4 | 52.9 | 61.6 | 64.2 |
| Corn silage, tons | 8.1 | 9.4 | 9.8 | 9.8 | 9.0 | 9.7 | 9.2 | 8.1 | 9.1 |
| Alfalfa hay, tons | 2.5 | 2.5 | 2.6 | 2.6 | 2.8 | 2.9 | 2.9 | 2.9 | 2.8 |
| AMOUNT OF LIVESTOCK | | | * | | | | | | |
| Total animal units | 50.1 | 53.6 | 46.4 | 52.5 | - 50 . 0 | 37.3 | 49.0 | 51.0 | <i>5</i> 7∙5 |
| % dairy and du. pur. cattle | 59.5 | 61.4 | 60.6 | 54.4 | 58.6 | 70.3 | 59•9 | 52.8 | 66.7 |
| % in beef breeding herd | 4.4 | 2.3 | 7.2 | 4.0 | 10.3 | 1.7 | 1.8 | 1.6 | |
| % feeder cattle | 2.9 | 3.4 | 1.6 | 5•9 | 3.3 | •6 | 1.7 | 2.7 | 3.4 |
| % sheep | 8.3 | 4.2 | 7.2 | | 4.2 | 3.1 | 4.1 | 6.4 | 5.2 |
| % hogs | 18.8 | 23.7 | 13.6 | 29.6 | 18.5 | 16.5 | 25.9 | and the contract of the contra | 15.0 |
| % turkeys | 1.2 | <i>∟</i> ∫•1 | 3.5 | -/•° | 1.1 | 2.9 | | 3.4 | 6,2 |
| % hens | 4.9 | 5.0 | 6.3 | 5•3 | 14.0 | 4.9 | 6.6 | | 3.5 |
| \0 110119 | 4•,7 | 9•♥ | Q •7 | ノ•ノ | 4.0 | 4-7 | | | |

Table 33, Summary by Years

| | Average 1928 – 29 | Average 1930-32 | Average 1933-35 | Average 1936 - 37 | 1938 | 1939 | 1940 | 1941 | 1942 |
|---|--|---------------------|---------------------------------|---|--------------------------|----------------|----------------|----------------|----------|
| Deliver of Parameter that parents | 51.0 | \$ 50 | 100 | 7.50 | 7.00 | 2 =1 | 10 | | 007 |
| Number of farms | 148 | 157 | 126 | 159 | 122 | 154 | 148 | 197 | 201 |
| Acrestin farm of the thirty | 170 | 194 | 204 | 210 | 241 | 225 | 225 | 227 | 230 |
| Crop acres in farm | 116 | 134 | 140 | 140 | 164 | 147 | 148 | 147 | 150 |
| Farm inventory | \$24,574 | \$21 , 767 | \$17,045 | \$20 ,5 33 | †22 , 704 | \$20,480 | \$24,044 | \$24,117 | \$26,088 |
| Farm Earnings (See page 30) | eringeri ere ere enger i susse i | e de commune à part | to the terminal of the property | South the section of | A contract to the second | | | • | |
| A 1 Of 11 for the state of ending of the state of | v *Šekst | s. The per | 4 | • | | | | en er y | |
| FARM EXPENSES | *** | JL 70 | | R ma | | * 00 | | | tik 1 ⇒1 |
| Horses bought | \$ 36 | \$ 32 | \$ 39 | \$ 51 | \$ 36 | \$ 28 | .\$ 28 | \$ 32 | \$ 34 |
| Cattle | 141 | 79 | 121 | 182 | 217 | 299 | . 607 | 421 | 444 |
| Hogs bought | 85 | 69 | 149 | 70 | <u> </u> | 62 | - 60 | 121 | 203 |
| Sheep bought | 6 | 10 | 65 | 54 | 110 | 98 | 82 | 45 | 53 |
| Poultry bought | 37 | -39 | 49 | 72 | 100 | 95 | 100 | , 118 | 132 |
| Misc.crop expenses | 186 | 177 | 154 | 201 | 278 | 235 | 182 | 202 | 284 |
| Feed bought | 1,40 | 324 | 31.3 | 580 | 603 | 475 | 600 | 820 | 1416 |
| Power mach. (new & exp.) (farm share | ∍) 399 | 340 | 342 | - 625 | 578 | 530 | 604 | 821 | 696 |
| Custom work hired | ** | | · | | | | 123 | 115 | 164 |
| Machinery and equipment (new) | 190 | 132 | 139 | 305 | 330 | 261 | 296 | 470 | 464 - |
| Machinery and equipment (upkeep) | 72 | - 57 | 55 | 66 | 78 | 65 | 68 | . 90 | 166 |
| Building, fencing, tiling (new) | 130 | 98 | ³ / 99 | 254 | 282 | 250 | 352 | 313 | 245 |
| Buildings, fencing, tiling, (upke | | 29 | 41 | 80 | 114 | 69 | 84 | 164 | 226 |
| Hired labor | 272 | 252 | 261 | 71071 | 519 | 340 | 404 | 454 | 571 |
| Taxes and insurance | 298 | 33 8 | 269 | 271 | 322 | 285 | 275 | 280 | 313 |
| General farm | 30 | 31 | 26 | 35 | 140 | 36 | 42 | . 43 | . 46 |
| Miscellaneous livestock expense | 66 | 72 | 55 | 83 | 130 | 110 | . 78 | . 101 | 123 |
| (1) Total farm purchases | 2,440 | 2,079 | 2,107 | 3 , 333 | 3,802 | 3 , 238 | 3 , 986 | 4,610 | 5,580 |
| (2) Decrease in farm capital | A response to the second secon | 755 | , | _ | 22 | _ | - | - | |
| (3) Board furnished hired labor | 102 | 93 | 91 | 151 | 174 | 128 | 1 <u>1</u> 11 | 145 | 177 |
| (4) Interest on farm capital | 1,228 | 1,089 | 852 | 1,026 | | 1,024 | 1,202 | 1,206 | 1,304 |
| (5) Unpaid family labor | 358 | 292 | 220 | 250 | 231 | 236 | 269 | 278 | 304 |
| | | | | v | | | | | |
| (6) Total farm exp. (Sum of (1) to | (5)4.128 | 4,308 | 3 , 270 | 4,760 | 5,364 | 4,626 | 5 , 598 | 6 , 239 | 7,365 |

Table 33. Summary by Years (Continued) Average Average. Average Average 1940 1942 1938 1939 1941 1928-29 1930-32 1933-35 1936-37 FARM RECEIPTS 45 65 51 48 31 3/1 30 30 32 Horses 753 467 457. 650 1.176 : 1.215. 1.514. 838 813. Cattle 1,662 1.633 1.509 1.454 1,720 2,078 1.170 1.209 1.207 Dairy products 1,248 1,778 3,104 1.164 950 635 1,201 926 984 Hogs 52 39. 125 180 217 216. 162 . 173: 177 Sheep and wool 3/1/1 583 221 394 520 339 722 140 139 Poultry 765 275 1,05 523 232 305 391 378 301 Eggs 1/12 88 111 37 96 171 190 128 Corn 39 21.15 274 235 312 262 140 272 L60 Small grain 457 155 165 157 250 287 163 170 185 Other crops 135 259 231 295 3/12 269 134 151 314 Misc. 172 136 148 146 119 Income from work off farm 102 112 132 219 343 324 331 Agric.Adjustment payments 0 0 **20**7 176 223 5,09T **3,**976 6,136 10,005 4,753 5,926 5,948 7,479 (7) Total farm sales 728 1,432 1,498 (8) Increase in farm capital 470 891 1.017 617 505 576 325 248 227 294 260 458 (9) Family living from the farm 252 7,423 6.948 6,388 6,212 9.416 12.079 4,673 (10) Total farm receipts 5,695 3,926 7,365 5,364 4,626 5,598 6,239 (6) Total farm expenses 4,128 4,308 3,270 4,760 (11) Operator's labor earnings 1,403 2,188 1.024 1,616 1.825 3,177 4.714 - 382 1,567 MISCILLANEOUS ITEMS Yield per acre, corn (bu.) 14.8 44.5 59.0 56.3 57.6 61.2 43.5 39.1 51.7 28.1 Yield por acre, barley (bu.) 36.0 23.5 25.8 28.2 33.5 41.0 29.0 30.1 48.5 49.3 Yield per acre. oats (bu.) 46.0 34.8 35.9 58.2 31.5 48.1 42.0 Yield per acre, alfalfa (tons) 2.3 2.3 2.6 2.7 2.0 2.1 2.2 43.5 % oftill.land in high return crop 40.8 41.4 *L*1.0 31.9 34.1 39.0 山.3 41.3 24.6 25.2 18.5 23.4 Productive livestock units per 100 A.19.2 20.7 19.9 19.8 19.7 664 690 756 773 759 658 No. of work units 729 866 349 292 301 316 Work units per worker 310 339 328 340 360 \$1.44 \$1.41 \$1.66 Pow., mach., equip., &bldg.exp.per work\$1.76 \$1.34 \$1.18 \$1.38 \$1.87 \$2.23 unit 195 80 90 11L134 134 1.88 No. of farms with tractors 101 132 5.4 4.4 4.1 3.9 5.4 4.6 4.1 4.0 No. of work horses 5.2 1.1 1.0 •9 No. of colts .8 .8 8. 1.2 1.3 •9 18.1 17.2 17.1 17.4 18.6 18.5 17.8 17.1 No. of dairy and dual purpose cows

Table 33, Summary by Years (Continued)

| Table 3 | , Summary | by Years | (Continued) |) | | | | | | |
|---------------------------------|------------|------------------|--|----------------|------------|--|----------|-------------|-------------------|-----|
| | Average | Average | Average | Average | | A COLUMN TO THE PARTY OF THE PA | | | | |
| Miscellaneous items (Continued) | 1928-29 | 1930-32 | 1933-35 | 1936-37 | 1938 | 1939 | 1940 | 1941 | 1942 | |
| No. of litters of pigs | 9.3 | 11.7 | 8.7 | 9.0 | 11.1 | 11.5 | 12.1 | | 15.7 | |
| Pounds of hogs produced | 12,706 | 16,219 | 12,260 | 12,778 | | | 17,671 | | 24,383 | |
| No.of head of sheep | 7.0 | 11.5 | | 17.8 | 23.3 | 16.2 | 18.6 | / 16.1 | 16.2 | |
| No. of hens | 136 | 156 | 183 | 172 | 187 | 177 | 197 | | 219 | |
| Pounds of B.F. per dairy cow | 514 | г ц s | 236 | 238 | 240 | 245 | 260 | 261 | 253 | |
| Pounds of B.F. per dual purpose | cow - | 7 | - | - | | `,, | 47.74 | 203 | | |
| No. of pigs per litter | 6.3 | 6.2 | 6.1 | 6.4 | 6.7 | 6.3- | 6.3 | 6.3 | 6.3 | |
| No. of eggs laid per hen | 95 | 112 | 122 | 130 | 135 | 126 | 131 | 142 | 146 | |
| PRICE RECEIVED PER: | | | | | 10 m | 병원설공단 | | | | |
| Lb. B.F. sold | \$ •52 | \$. 30 | .23 | | \$ ₹ •31 : | \$.28 | | \$.39 | \$.45 | |
| Cwt. hogs sold | 8.92 | -5.82 | 5.39 | 9.36 | 7.69 | 6.17 | 5•27 | 9,20 | 13.24 | |
| Cut. feeder cattle sold | · - | | , i i <u>-</u> | i | - : | | 8.67 | 9.72 | 11.69 | |
| Lamb sold | 9.78 | 4.64 | 5.55 | 7.16 | 6.04 | 6.48 | 6.69 | 1.8,72 | | |
| Lb. wool sold | •36 | •13· | .21 | •30 | •18 | · 26 | •31 | . 40 | 41 | |
| Doz. eggs sold | •28 | •17 | | •20 | .18, | •15 | .17 | •22 | •29 | |
| Lb. tulasy sold | - · · - | | •20 | | •20 | .17 | •16 | .21 | 29 | |
| RETURN ABOVE FEED COST PER: | | | in the state of th | | e.x. | | | | | N. |
| Dairy cow | \$7ć∙50 | \$28.15 | 32.76 | \$57.40 | \$47.89 | \$45.05 | \$58.05 | \$71.65 | . \$8 . 86 | 62 |
| Dual purpose cow | _ | _ >- 4 | <u> -</u> | | | | 31.69 | 52.01 | 55,38 | . ^ |
| Cwt. hogs prod. | 1.50 | .30 | 1.82 | 2.82 | 3.47 | . 1.82 | 1.50 | 5.41 | 7.09 | |
| Head of sheep | 5.50 | 07 | 2.24 | 3.58 | 1.28 | 3.18 | · 3·43 · | 5.48 | 5.77 | |
| Hen | 1.82 | 1.13 | 1.o5 [?] | •95 | 1:12 | •97 | •92 | 1.66 | 2.16 | |
| Cwt. turkeys prod. | - | | 11.59 | | 12,38 | 8.27 | 6.30 | 10.72 | 16.56 | |
| FEED COST PER: | | | | | os in | | | | | |
| Dairy cow | \$69.50 | \$52.27 | \$43.37 | \$47.50 | \$40.55 | 333.67 | \$43.22 | \$49.10 | \$58,29 | |
| Dual purpose cow | _ | | | | | | 36.29 | 39.50 | 50.39 | |
| Cwt. hogs produced | 7.66 | £4 € 50 ° | 4.36 | 6.30 | 3.86 | 3.51 | 1.11 | 5.17 | 7.16 | |
| Head of sheep | 2.82 | 2,26 | 2.59 | 2.50 | 2.37 | 2.33 | 2.61 | 2.57 | 3.01 | |
| Hen | 1.62 | 1.09 | 1.36 | 1.82 | 1.30 | 1.23 | 1.36 | 1.80 | 2.27 | |
| Cwt. turkeys prod. | | | 7.70 | 9.16 | 7.75 | 7.09 | 9.06 | 9.33 | 11.90 | |
| Horse | 55.09 | 36.13 | | 39.78 | 29.94 | 27.6Í | # 31.33° | 35.49 | | |
| PRICE OF FEED: | | | | | i A | a jedan re | | | | |
| Shelled corn (per bu.) | \$.70 | \$.49 | \$ 448 | \$. •75 | \$.43 | \$.36 | \$.46 | \$ •52 | \$.69 | |
| Barley (per bu.) | .60 | .36 | •53 | | 39 | •30 | •31 | •38 | 57 | |
| Oats (per bu.) | •48 | •25 | 29 | •32 | .22 | 23 | •26 | •32 | •44 | |
| Bran (per cwt.) | 1.70 | 1.00 | 1.05 | 1.38 | 1.05 | 1.10 | 1.20 | 1.45 | 1.95 | |
| Oilmeal (per cwt.) | 3.00 | 2.00 | 1.85 | 2.15 | 2.30 | 2.15 | 1.75 | 2.00 | 2.30 | |
| Alfalfa (per ton) | 14.75 | 12.00 | 10.80 | 9.50 | 7.50 | 7.00 | 7.50 | 8.00 | 8.00 | |
| _ | | | | , • ,,≎ | , • J · | , • • • | , •) = | | 3.00 | |

Footnote for pages 27, 28 and 29.

The values of farm real estate in 1931 was reduced approximately 25 per cent from 1928-1930 values. The values in 1932 were reduced about 29 per cent from the 1931 values. Only land was affected by the reduction in 1931, but in 1932 buildings and improvements were cut 25 per cent. In 1936 the values of land were adjusted upward 10 per cent. The value of dairy cows was also adjusted downward in 1932 and upward in 1936. These capital losses were not included in the inventory decreases in the financial statement but the changes in valuation resulted in variations in the interest charge. No charges in the basis of inventory valuations were made in the years 1933 to 1935 and 1937 to 1942.

The financial statements differ also in that the unpaid family labor rate was \$60 per month for the 1928 to 1930 period, \$40 in 1931, \$30 in 1932 to 1934, \$40 in 1935, \$43 in 1936, \$45 in 1937 to 1940, \$50 in 1941 and \$60 in 1942; and the board for hired labor was figured at \$20 per month in the 1928 to 1930 period, \$15 per month in 1931, \$10 per month in 1932, 1933 and 1934, \$15 per month in 1935, \$18 per month in the years 1936 to 1940, \$20 in 1941 and \$25 in 1942.

* These adjustments should be considered in comparing 1942 results with previous years.

Several changes appeared in the 1940-1942 records. The value of the house which had previously been omitted from the farm business was included and a rental charge equal to 10 per cent of the average value of the house was included with the farm perquisites. The standards used in the calculation of work units were changed in accordance with new information made available. This latter change also affected the work units per worker and the factor of expense per work unit. The acres in protected woodlots, roads, waste and farmstead were omitted from the acreage used in the calculation of amount of livestock per 100 acres. Several new livestock stalements were added. Cattle were classified into two groups "specialized dairy cattle" and "dual purpose cattle." Statements for beef breeding cattle, feeder cattle and feeder sheep were also included.