

The income range of the different economic subregions follows the pattern of the region (Table 32). The total sales as well as the sales per acre of total cropland show a consistent drop from the large to the small farms. What diversification there is shows up more among economic subregions than within the subregions. The smaller farms within a subregion show little, if any, more diversification than the larger farms.

Specified expenses of the region are consistently less than of either of the previously discussed regions when expressed in terms of income. The ratio of expenses to income in Economic Subregions 49 and 64 is 1 to 3; in Subregions 9 and 50 the ratios are 1 to 2.3 and 1 to 2.6, respectively.

Table 32.—SOURCES OF FARM INCOME ON DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE CENTRAL MICHIGAN-WESTERN NEW YORK LAKE SHORE REGION: 1954

| Item   | Economic class of farm |        |        |        |       |       |       |
|--|------------------------|--------|--------|--------|-------|-------|-------|
|  | Total                  | I      | II     | III    | IV    | V     | VI    |
| Number of farms.....                                 | 35,605                 | 551    | 6,925  | 12,068 | 9,286 | 5,175 | 1,600 |
| Gross sales—   |                        |        |        |        |       |       |       |
| Per farm.....dollars..                               | 7,011                  | 34,652 | 14,085 | 7,168  | 3,800 | 1,909 | 836   |
| Per crop acre.....do..                               | 62                     | 101    | 76     | 60     | 45    | 32    | 19    |
| Percent of gross sales from dairy products.....      | 66                     | 65     | 66     | 67     | 67    | 64    | 64    |
| Sales per farm:                                      |                        |        |        |        |       |       |       |
| Milk.....dollars..                                   | 4,650                  | 22,438 | 9,317  | 4,805  | 2,535 | 1,220 | 538   |
| Cattle and calves.....do..                           | 582                    | 3,254  | 1,057  | 567    | 362   | 234   | 117   |
| Hogs.....do..  | 229                    | 1,343  | 550    | 207    | 84    | 54    | 29    |
| Poultry products except eggs.....do..                | 52                     | 147    | 93     | 57     | 32    | 20    | 9     |
| Eggs.....do..  | 202                    | 447    | 333    | 241    | 140   | 75    | 33    |
| Sheep.....do..                                       | 18                     | 181    | 29     | 20     | 9     | 4     | 2     |
| Other livestock and livestock products.....dollars.. | 9                      | 40     | 14     | 9      | 6     | 3     | 3     |
| Total livestock and livestock products.....dollars.. | 5,742                  | 27,850 | 11,393 | 5,906  | 3,168 | 1,610 | 731   |
| Field crops.....do..                                 | 1,162                  | 5,919  | 2,496  | 1,170  | 565   | 260   | 70    |
| Other crops.....do..                                 | 107                    | 883    | 196    | 92     | 67    | 39    | 35    |
| Total crops.....do..                                 | 1,269                  | 6,802  | 2,692  | 1,262  | 632   | 299   | 105   |

<sup>1</sup> Includes horticultural and forest products.

Table 33.—SPECIFIED FARM EXPENDITURES ON DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE CENTRAL MICHIGAN-WESTERN NEW YORK LAKE SHORE REGION: 1954

| Item                       | Economic class of farm |        |       |        |       |       |       |
|----------------------------|------------------------|--------|-------|--------|-------|-------|-------|
|                            | Total                  | I      | II    | III    | IV    | V     | VI    |
| Number of farms.....       | 35,605                 | 551    | 6,925 | 12,068 | 9,286 | 5,175 | 1,600 |
| Average per farm:          |                        |        |       |        |       |       |       |
| Machine hire.....dollars.. | 176                    | 252    | 224   | 199    | 162   | 110   | 52    |
| Hired labor.....do..       | 468                    | 5,799  | 1,124 | 347    | 125   | 56    | 16    |
| Feed.....do..              | 1,062                  | 4,823  | 1,982 | 1,101  | 633   | 375   | 204   |
| Gas and oil.....do..       | 439                    | 1,626  | 768   | 464    | 287   | 195   | 101   |
| Fertilizer.....do..        | 347                    | 1,492  | 689   | 357    | 192   | 110   | 64    |
| Lime.....do..              | 26                     | 160    | 54    | 24     | 12    | 7     | 2     |
| Total.....do..             | 2,517                  | 14,152 | 4,841 | 2,492  | 1,411 | 853   | 439   |
| Average per crop acre:     |                        |        |       |        |       |       |       |
| Machine hire.....do..      | 2                      | 1      | 1     | 2      | 2     | 2     | 1     |
| Hired labor.....do..       | 4                      | 17     | 6     | 3      | 1     | 1     | (Z)   |
| Feed.....do..              | 9                      | 14     | 11    | 9      | 8     | 7     | 5     |
| Gas and oil.....do..       | 4                      | 5      | 4     | 4      | 3     | 3     | 2     |
| Fertilizer.....do..        | 3                      | 4      | 4     | 3      | 2     | 2     | 1     |
| Lime.....do..              | (Z)                    | (Z)    | (Z)   | (Z)    | (Z)   | (Z)   | (Z)   |
| Total.....do..             | 22                     | 41     | 26    | 21     | 16    | 15    | 9     |

Z Less than 0.50.

Feed bought is again the largest single item of specified expenses (Table 33). It amounts to \$76 per cow for Economic Subregion 9 and about \$60 per cow for Economic Subregions 64 and 50. In Western New York, Economic Subregion 9 is outstandingly high on this item as are all the farms in the Northeastern Dairy Region.

Net farm income and other items showing the relation of various factors to the success of the venture disclose little change from the standard pattern set by the previously described areas (Table 34). The operators of small farms show less effective use of all resources, whether they be physical or human, than the larger farmers.

Table 34.—MEASURES OF INCOME AND EFFICIENCY LEVELS FOR DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE CENTRAL MICHIGAN-WESTERN NEW YORK LAKE SHORE REGION: 1954

| Item   | Economic class of farm |         |        |        |        |        |        |
|--|------------------------|---------|--------|--------|--------|--------|--------|
|  | Total                  | I       | II     | III    | IV     | V      | VI     |
| Number of farms.....                                       | 35,605                 | 551     | 6,925  | 12,068 | 9,286  | 5,175  | 1,600  |
| Gross sales per farm.....dollars..                         | 7,011                  | 34,652  | 14,085 | 7,168  | 3,800  | 1,909  | 836    |
| Specified expenses per farm.....do..                       | 2,517                  | 14,152  | 4,841  | 2,492  | 1,411  | 853    | 439    |
| Gross sales less specified expenses per farm.....dollars.. | 4,494                  | 20,500  | 9,244  | 4,676  | 2,389  | 1,056  | 397    |
| Gross sales per man-equivalent.....                        | 5,393                  | 8,250   | 7,825  | 5,120  | 3,455  | 2,121  | 929    |
| Total investment—  |                        |         |        |        |        |        |        |
| Per farm.....dollars..                                     | 32,792                 | 113,217 | 55,999 | 33,703 | 22,274 | 16,031 | 11,400 |
| Per man-equivalent.....do..                                | 25,225                 | 26,956  | 31,111 | 24,074 | 20,249 | 17,812 | 12,667 |
| Per \$100 gross sales.....do..                             | 468                    | 326     | 397    | 468    | 586    | 844    | 1,425  |
| Percent of sales of dairy products from cream.....         | 1                      | (Z)     | (Z)    | (Z)    | 2      | 8      | 30     |
| Milk sales per cow:  |                        |         |        |        |        |        |        |
| Dollars.....   | 259                    | 383     | 302    | 256    | 205    | 147    | 98     |
| Pounds (milk equivalent).....                              | 7,261                  | 9,358   | 8,143  | 7,294  | 6,090  | 4,973  | 3,750  |

Z Less than 0.5 percent.

Nine-tenths of the dairy farms of this region used some fertilizer (Table 35). The quantity applied per acre was only 240 pounds in comparison with around 400 pounds for the two more eastern dairy regions. The two subregions with the larger farms bought the larger quantities but only the New York subregion applied more per acre fertilized. Farmers in this subregion, on the average, applied 100 pounds more per acre than Subregion 64, and 120 pounds more than was applied by the other subregions.

Table 35.—USE OF FERTILIZER AND LIME ON DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE CENTRAL MICHIGAN-WESTERN NEW YORK LAKE SHORE REGION: 1954

| Item  | Economic class of farm |       |       |        |       |       |       |
|---|------------------------|-------|-------|--------|-------|-------|-------|
|   | Total                  | I     | II    | III    | IV    | V     | VI    |
| Number of farms.....                          | 35,605                 | 551   | 6,925 | 12,068 | 9,286 | 5,175 | 1,600 |
| Fertilizer:                                   |                        |       |       |        |       |       |       |
| Percent of farms using.....                   | 90                     | 99    | 97    | 95     | 90    | 77    | 55    |
| Tons used per farm reporting.....             | 7                      | 29    | 13    | 7      | 4     | 3     | 2     |
| Acres upon which used per farm reporting..... | 56                     | 179   | 96    | 57     | 35    | 22    | 16    |
| Average per acre fertilized:                  |                        |       |       |        |       |       |       |
| Pounds.....                                   | 251                    | 328   | 261   | 241    | 228   | 232   | 264   |
| Cost.....dollars..                            | 6.89                   | 8.39  | 7.36  | 6.58   | 6.13  | 6.41  | 7.41  |
| Lime:   |                        |       |       |        |       |       |       |
| Percent of farms using.....                   | 20                     | 47    | 31    | 23     | 14    | 10    | 3     |
| Acres upon which used per farm reporting..... | 18                     | 42    | 25    | 15     | 12    | 10    | 6     |
| Average per acre limed:                       |                        |       |       |        |       |       |       |
| Pounds.....                                   | 3,271                  | 3,526 | 2,904 | 3,450  | 3,600 | 3,804 | 3,937 |
| Cost.....dollars..                            | 7.13                   | 7.96  | 6.82  | 7.27   | 7.30  | 6.97  | 9.67  |