

Table 28.—SOURCES OF FARM INCOME ON DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE EASTERN OHIO-WESTERN PENNSYLVANIA REGION: 1954

Item	Economic class of farm						
	Total	I	II	III	IV	V	VI
Number of farms.....	40,636	258	4,432	12,439	12,911	7,055	3,541
Gross sales—							
Per farm.....dollars..	5,389	30,716	13,458	6,990	3,760	1,883	751
Per crop acre.....do..	99	120	92	74	58	38	23
Percent of gross sales from dairy products.....	71	76	70	71	72	67	62
Sales per farm:							
Milk.....dollars..	3,810	23,219	9,378	4,946	2,725	1,264	463
Cattle and calves.....do..	435	2,521	968	515	321	240	140
Hogs.....do..	184	1,082	507	249	102	64	25
Poultry products except eggs.....dollars..	71	152	240	88	41	18	9
Eggs.....do..	252	608	640	350	160	92	47
Sheep.....do..	18	45	23	22	15	15	8
Other livestock and livestock products.....dollars..	15	43	25	18	14	14	6
Total, livestock and livestock products.....dollars..	4,785	27,670	11,781	6,188	3,378	1,707	698
Field crops.....do..	547	2,568	1,522	735	346	154	37
Other crops <sup>1</sup> .....do..	57	478	155	67	36	22	16
Total crops.....do..	604	3,046	1,677	802	382	176	53

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

Specified expenses of the dairy farms are two-thirds those of the Northeastern Dairy Region while the income is three-fourths as much (Table 29). Expenses were slightly less than one-half the total value of sales in comparison with slightly more than one-half for the Northeastern Region. Milk sales per cow were less but not so much was spent for feed. There was a wide range within the region both in specified expenses and in feed bought. Economic Subregion 30, with specified expenses of \$1,668 per farm was the lowest, and \$68 feed cost per cow was the second lowest of the area. At the other extreme was Economic Subregion 17 with \$3,921 expenses per farm and \$98 feed bought per cow. Economy in the use of resources may reduce efficiency.

Table 29.—SPECIFIED FARM EXPENDITURES ON DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE EASTERN OHIO-WESTERN PENNSYLVANIA REGION: 1954

Item	Economic class of farm						
	Total	I	II	III	IV	V	VI
Number of farms.....	40,636	258	4,432	12,439	12,911	7,055	3,541
Average per farm:							
Machine hire.....dollars..	139	148	205	175	135	93	37
Hired labor.....do..	370	4,948	1,382	395	161	73	30
Feed.....do..	1,241	5,016	2,891	1,586	926	545	224
Gas and oil.....do..	340	1,391	714	431	279	160	63
Fertilizer.....do..	287	1,477	702	362	203	122	49
Lime.....do..	77	256	171	100	58	35	16
Total.....do..	2,454	13,236	6,065	3,049	1,762	1,028	419
Average per crop acre:							
Machine hire.....do..	2	1	1	2	2	2	1
Hired labor.....do..	5	19	9	4	2	2	1
Feed.....do..	16	20	20	17	14	11	7
Gas and oil.....do..	4	5	5	5	4	3	2
Fertilizer.....do..	4	6	5	4	3	3	2
Lime.....do..	1	1	1	1	1	1	(Z)
Total.....do..	32	52	41	33	26	22	13

Z Less than 0.50.

Sorting by size discloses the smaller farms to be slightly more diversified than the larger (Table 30). They have less income per

farm and per crop acre. Dairy-product sales per cow, both in dollars and pounds, are so low in Economic Class VI as to raise the question of whether the operators of these farms are seriously engaged in dairying. Sales of \$82 per cow in comparison with \$423 for Economic Class I is an extreme range. Approximately one-third of the small quantity of cream sold from the area is from the group of smallest farms and more than one-fourth of the total milk sales from these farms is in this form. The sale of cream may help to account for the low money income per cow but it will not account for the low milk production unless butterfat prices are so low as to discourage proper management.

Table 30.—MEASURES OF INCOME AND EFFICIENCY LEVELS FOR DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE EASTERN OHIO-WESTERN PENNSYLVANIA REGION: 1954

Item	Economic class of farm						
	Total	I	II	III	IV	V	VI
Number of farms.....	40,636	258	4,432	12,439	12,911	7,055	3,541
Gross sales per farm.....dollars..	5,389	30,716	13,458	6,990	3,760	1,883	751
Specified expenses per farm.....do..	2,454	13,236	6,065	3,049	1,762	1,028	419
Gross sales less specified expenses per farm.....dollars..	2,935	17,480	7,393	3,941	1,998	855	332
Gross sales per man-equivalent.....	3,849	6,981	6,117	4,660	2,892	1,883	751
Total investment—							
Per farm.....dollars..	23,137	80,978	46,358	27,723	19,143	13,764	8,508
Per man-equivalent.....do..	16,526	18,404	21,072	18,482	14,725	13,764	8,508
Per \$100 gross sales.....do..	428	264	343	396	504	724	1,064
Percent of sales of dairy products from cream.....	1	1	(Z)	(Z)	1	3	28
Milk sales per cow:							
Dollars.....	251	423	328	269	213	143	82
Pounds (milk equivalent).....	6,298	9,110	7,718	6,696	5,593	4,200	3,082

Z Less than 0.5.

A larger percentage of these farmers are using both lime and fertilizer than in the Northeastern Area (Table 31). Farmers of Economic Class I used 400 pounds of fertilizer per acre; those of the other economic classes used 40 to 100 pounds less per acre of land treated, and on a smaller acreage. Information is not available to show what kind or how much fertilizer should be used. It is probable that the small farms need fertilizer as much as the larger ones do, yet only two-thirds as many reported buying any.

Table 31.—USE OF FERTILIZER AND LIME ON DAIRY FARMS, BY ECONOMIC CLASS OF FARM, FOR THE EASTERN OHIO-WESTERN PENNSYLVANIA REGION: 1954

Item	Economic class of farm						
	Total	I	II	III	IV	V	VI
Number of farms.....	40,636	258	4,432	12,439	12,911	7,055	3,541
Fertilizer:							
Percent of farms using.....	90	98	98	96	93	82	60
Tons used per farm reporting.....	6	38	14	7	4	3	2
Acres upon which used per farm reporting.....	39	156	80	47	28	19	11
Average per acre fertilized:							
Pounds.....	320	301	343	313	305	308	317
Cost.....dollars..	8.23	9.67	8.98	8.04	7.71	8.02	7.56
Lime:							
Percent of farms using.....	54	60	71	63	53	41	25
Acres upon which used per farm reporting.....	16	47	26	16	12	10	10
Average per acre limed:							
Pounds.....	3,456	3,180	3,568	3,495	3,487	3,132	2,856
Cost.....dollars..	8.91	7.86	9.32	9.06	8.83	8.29	6.78