

MICHIGAN

State Table 18.—SAMPLING RELIABILITY OF ESTIMATED TOTALS FOR COUNTY, ECONOMIC AREA, AND STATE BY NUMBER OF FARMS REPORTING, BY LEVELS

If the estimated number of farms reporting is—	Then the chances are about 2 in 3 that the estimated total would differ from the results of a complete tabulation of the items for all farms by less than—				If the estimated number of farms reporting is—	Then the chances are about 2 in 3 that the estimated total would differ from the results of a complete tabulation of the items for all farms by less than—			
	Level 1 ¹	Level 2	Level 3	Level 4		Level 1 ¹	Level 2	Level 3	Level 4
	Percent	Percent	Percent	Percent		Percent	Percent	Percent	Percent
25.....	40	53	71	96	5,000.....	2.8	3.7	5.0	6.8
50.....	28	37	50	68	10,000.....	2.0	2.6	3.5	4.8
100.....	20	26	35	48	25,000.....	1.3	1.7	2.2	3.0
250.....	13	17	22	30	50,000.....	0.9	1.2	1.6	2.1
500.....	8.9	12	16	21	100,000.....	0.6	0.8	1.1	1.5
1,000.....	6.3	8.4	11	15	250,000.....	0.4	0.5	0.7	1.0
2,500.....	4.0	5.3	7.1	9.6					

¹Level 1 should be used in determining the sampling reliability of estimated number of farms and farms reporting. If the estimated number of farms or farms reporting constitutes more than 75 percent of all farms in the universe, a better approximation to the sampling reliability may be obtained by multiplying the percent given in the tables as follows:

1. When the number of farms or farms reporting is 75 percent of all farms, multiply the percent error by 0.50.
2. When the number of farms or farms reporting is 90 percent of all farms, multiply the percent error by 0.30.
3. When the number of farms or farms reporting is 95 percent of all farms, multiply the percent error by 0.20.

State Table 19.—INDICATED LEVEL OF SAMPLING RELIABILITY OF ESTIMATED COUNTY, ECONOMIC AREA, AND STATE TOTALS FOR SPECIFIED ITEMS

To determine sampling reliability for an item, it is necessary to use this table to find out which of the 4 levels of sampling reliability given in State Table 18 to use. Reference is required also to the county, economic area, or State table in order to obtain the number of farms reporting.

Item	Level of sampling reliability for specified items by number of milk cows									
	All commercial farms					Dairy farms				
	Total	Under 10	10 to 29	30 to 49	50 and more	Total	Under 10	10 to 29	30 to 49	50 and more
Milk cows.....number..	2	2	1	1	1	2	2	1	1	1
Whole milk sold.....pounds..	2	2	2	2	2	2	2	2	2	2
.....dollars..	2	2	2	2	2	2	2	2	2	2
Cream sold.....pounds of butterfat..	3	2	2	2	2	3	2	2	2	2
.....dollars..	3	2	2	2	2	3	2	2	2	2

Item	Level of sampling reliability for specified items by number of chickens on hand										
	All commercial farms					Poultry farms					
	Total	Under 400	400 to 799	800 to 1,599	1,600 to 3,199	3,200 and over	Total	Under 400	400 to 799	800 to 1,599	1,600 to 3,199
Chickens on hand.....number..	3	1	1	1	1	3	1	1	1	1	1
Chickens sold.....number..	4	4	3	2	2	4	4	3	2	2	2
Chicken eggs sold.....dozens..	3	3	2	2	2	3	3	2	2	2	2
Chicken eggs sold, value of sales.....dollars..	3	3	2	2	2	3	3	2	2	2	2
Value of sales of other poultry products.....dollars..	3	x	x	x	x	3	x	x	x	x	x

Note: Items whose level is indicated by an X may be approximated by using the level given for the State.

STATISTICS FOR THE STATE

State Table 19.—INDICATED LEVEL OF SAMPLING RELIABILITY OF ESTIMATED COUNTY, ECONOMIC AREA, AND STATE TOTALS FOR SPECIFIED ITEMS—Continued

[To determine sampling reliability for an item, it is necessary to use this table to find out which of the 4 levels of sampling reliability given in State Table 18 to use. Reference is required also to the county, economic area, or State table in order to obtain the number of farms reporting.]

Item (For definitions and explanations, see text)	Total	Tenure groups			Economic-class groups				Type-of-farm groups				
		Full owners and managers	Part owners	All tenants	I, II, and III	IV and V	VI and VII	VIII and IX	Vegetable and fruit-and-nut	Other field-crop and general—primarily crop	Dairy	Poultry	Livestock, general—primarily livestock, and primarily crop and livestock
Farms and farm characteristics:													
Land owned or managed by farm operators.....acres..	1	2	2	2	2	2	2	3	2	2	2	3	2
Land rented from others by farm operators.....acres..	2	2	2	2	2	2	2	2	2	2	2	2	2
Land rented to others by farm operators.....acres..	1	2	2	2	2	2	2	2	2	2	2	2	2
Cash rent paid by farm operators.....dollars..	2	2	3	2	2	2	2	2	3	2	3	2	2
Value of land and buildings per farm.....dollars..	3	3	3	2	3	2	3	2	3	3	3	3	3
Land in farms.....acres..	1	2	2	2	2	2	2	3	3	3	2	3	2
Cropland: Total, harvested, pastured, or other.....acres..	2	3	2	2	1	2	2	3	3	2	2	2	2
Woodland: Total, pastured or not pastured.....acres..	2	2	2	2	2	2	2	3	2	2	2	2	2
Total pastureland.....acres..	2	3	2	2	2	2	2	3	2	2	2	2	2
Total irrigated land, land in crops for erosion control, or cropland farmed on contour.....acres..	2	3	3	2	2	2	2	2	2	2	2	2	2
Commercial fertilizer:													
Commercial fertilizer purchased.....tons..	3	3	3	3	2	3	3	2	3	3	3	2	2
Acres on which commercial fertilizer applied.....acres..	3	3	3	3	3	3	2	2	3	3	3	2	2
Lime or liming material purchased.....tons..	2	3	3	2	3	3	2	2	3	3	3	2	3
Acres on which lime or liming material applied.....acres..	2	3	3	3	3	3	3	2	3	3	3	2	3
Specified facilities and equipment:													
Grain combines, corn pickers, pick-up balers, feed forage harvesters.....number..	1	1	1	1	1	1	1	1	1	1	1	1	1
Artificial ponds, reservoirs, and earth tanks.....number..	1	1	1	1	1	1	1	1	1	1	1	1	1
Motortrucks.....number..	1	1	1	1	1	1	1	1	1	1	1	1	1
Tractors: Total, wheel, garden, or crawler.....number..	1	1	1	1	1	1	1	1	1	1	1	1	1
Automobiles.....number..	1	1	1	1	1	1	1	1	1	1	1	1	1
Farm labor:													
Total hired workers and unpaid family workers.....persons..	3	3	3	3	3	3	2	2	3	3	2	3	2
Hired workers:													
Regular.....persons..	2	2	2	2	2	2	2	2	2	2	2	2	2
Seasonal.....persons..	3	3	3	3	3	3	2	2	3	3	3	2	3
Paid on daily basis.....persons..	2	3	3	3	3	3	2	2	3	2	2	2	2
Specified farm expenditures:													
Machine hire and/or hired labor.....dollars..	4	4	4	3	3	3	3	4	4	3	3	4	3
Feed for livestock and poultry.....dollars..	3	4	3	3	3	3	3	4	3	3	3	3	4
Gasoline and other petroleum fuel and oil.....dollars..	2	2	2	2	2	2	2	4	3	2	2	2	2
Commercial fertilizer purchased.....dollars..	3	3	3	3	3	3	2	2	3	3	2	2	3
Livestock and livestock products:													
Horses and/or mules.....number..	2	2	2	1	2	2	2	2	2	2	1	2	1
Cattle and calves.....number..	2	2	2	2	2	2	2	2	2	2	2	2	3
Cows including heifers that have calved.....number..	2	2	2	2	2	2	2	2	2	2	2	2	2
Milk cows.....number..	2	2	2	2	2	2	2	2	2	2	2	2	3
Hogs and pigs.....number..	3	3	3	3	3	3	3	3	3	3	3	3	4
Sheep and lambs.....number..	3	3	3	3	3	3	3	3	3	3	3	3	3
Chickens, 4 months old and over, on hand.....number..	3	3	3	2	3	3	3	3	3	3	3	3	3
Cattle and calves sold.....number..	3	4	3	3	3	3	2	2	3	3	2	2	2
Hogs and pigs sold.....number..	3	3	2	2	2	2	3	2	3	3	2	2	4
Sheep shorn.....pounds of wool..	3	4	3	3	4	3	3	3	3	3	3	3	4
Whole milk sold.....pounds..	2	3	3	2	3	2	2	2	2	2	2	2	2
Cream sold.....pounds of butterfat..	3	3	3	3	3	3	2	2	3	3	3	3	3
Chickens sold.....number..	4	4	3	3	4	3	3	2	3	3	4	3	3
Chicken eggs sold.....dozens..	3	3	3	3	3	3	2	2	2	2	3	3	2
Value of products sold by source:													
Hogs and pigs sold.....dollars..	3	3	2	2	2	3	3	2	2	3	2	2	3
Whole milk sold.....dollars..	2	2	2	2	2	3	2	2	2	2	2	2	2
Cream sold.....dollars..	3	3	3	3	3	3	3	2	2	3	3	3	3
Chicken eggs sold.....dollars..	3	3	3	3	3	3	3	2	2	2	2	2	3
Other poultry and poultry products sold.....dollars..	3	x	x	x	x	x	x	x	x	x	x	x	x
Forest products sold.....dollars..	4	x	x	x	x	x	x	x	x	x	x	x	x
Specified crops harvested:													
Corn for all purposes.....acres..	2	2	2	2	2	2	2	2	2	2	2	2	2
Corn harvested for grain.....acres..	2	2	2	2	2	2	2	2	2	2	2	2	2
bushels harvested..	2	2	2	2	2	2	2	2	2	2	2	2	2
bushels sold..	2	2	2	2	2	2	2	2	2	2	2	2	2
Winter wheat threshed or combined.....acres..	2	2	2	2	2	2	2	2	2	2	2	2	2
bushels harvested..	2	2	2	2	2	2	2	2	2	2	2	2	2
bushels sold..	2	2	2	2	2	2	2	2	2	2	2	2	2
Oats threshed or combined.....acres..	1	2	2	2	2	2	2	2	2	2	2	2	2
bushels harvested..	2	2	2	2	2	2	2	2	2	2	2	2	2
bushels sold..	3	3	3	2	3	3	2	2	2	3	2	2	3
Barley threshed or combined.....acres..	2	2	2	2	2	2	2	2	2	2	2	2	2
bushels harvested..	2	3	2	2	2	3	2	2	2	2	2	2	2
bushels sold..	2	2	2	2	2	2	2	2	2	2	2	2	2
Soybeans harvested for beans.....acres..	3	3	3	2	3	3	3	2	2	3	2	2	3
bushels harvested..	3	3	3	2	3	3	3	2	2	3	2	2	3
Alfalfa hay.....acres..	2	2	2	2	1	2	2	2	2	2	2	2	2
tons harvested..	2	2	3	2	2	2	2	2	2	2	2	2	2
Clover hay.....acres..	1	2	2	2	2	2	3	2	2	2	2	2	2
tons harvested..	2	2	2	2	2	2	2	2	2	2	2	2	2
Irish potatoes for home use or for sale.....acres..	4	4	3	4	4	4	4	3	3	4	3	3	4
bushels harvested..	4	4	3	4	4	4	3	3	3	4	3	3	4
Value of vegetables harvested for sale.....dollars..	3	x	x	x	x	x	x	x	x	x	x	x	x
Land in fruit orchards, groves, vineyards, and planted nut trees.....acres..	4	x	x	x	x	x	x	x	x	x	x	x	x

Note: Items whose level is indicated by an X may be approximated by using the level given for the State.