

## Southeast District



Area <sup>1</sup>	7,048 square miles (4,178,705 acres of land <sup>2</sup> )
Population <sup>3</sup>	5,192,161
Counties	Genesee, Lapeer, Lenawee, Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, Wayne
Watersheds	Huron, Raisin, Stony Creek, Rouge, Clinton, Pine, Belle, Black, Saginaw, Manistee

### Regional rankings (out of 9):

- #1 in Michigan in number of whole food (439), dairy (27), and meat (23) processing plants
- #1 in Michigan in number of retail food (7,639) and food service (18,564) establishments
- #1 in Michigan in number of farms using organic methods (135; 37 certified)
- #1 in Michigan in acres of tomatoes (1,969)
- #2 in Michigan in value of direct-to-consumer sales (\$14,407,000)

### Agricultural Revenues<sup>2</sup>

	Amount	Rank (out of 9)
Total market value of agriculture production <sup>4</sup>	\$684,899,000	#4
Total crop sales	\$537,791,000	#4
Total livestock sales	\$147,109,000	#5

### Locally Important Products

Tomatoes	1,969 acres	#1
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### Key Michigan Products

Corn, soy, and wheat	870,286 acres (62.3% of cropland)	#3
Revenue from corn, soy, and wheat	\$297,386,000	#3
Vegetables	23,735 acres (1.7% of cropland)	#4
Revenue from vegetables	\$55,140,000	#2
Fruit and tree nuts	4,227 acres (3.0% of cropland)	#2
Revenue from fruits, tree nuts and berries	\$11,789,000	#4
Dairy farms	167 farms (7.2% of all in MI)	#5
Revenue from milk and other dairy	\$82,733,000	#6
All animal operations	3,956 operations (237,751 animals <sup>5</sup> )	#2

### Agricultural Land<sup>2</sup>

Total number of farms	9,653	#2
Total farmland	1,397,751 acres (33.5% of total area)	#5
Forage/pasture/non-crop farmland	114,974 acres (8.2% of farmland)	#3
Number of farms using organic production	135 (37 certified organic farms <sup>6</sup> )	#1
Cropland in organic production	5,688 acres (includes non-certified acres)	#2
Cropland in transition to organic	697 acres	#6
Area of greenhouse/nursery operations	13,090,312 sq. ft.	#2

## Michigan Food and Agricultural Systems Profiles

### Southeast District Agricultural Chemicals<sup>7</sup>

**Number      Percent of MI total      Rank (out of 9)**

Fertilizer manufacturers, distributors, and storage facilities	54	20.2%	#1
Pesticide storage facilities	30	20.1%	#2

### Processing and Warehousing<sup>7</sup>

Wholesale food processing plants	439	33.2%	#1
Food warehouses	404	38.7%	#1
Controlled atmosphere storage facilities	1	1.5%	#5
Dairy processing plants	27	38.0%	#1
Dairy warehouse, transfer, and truck cleaning facilities	6	20.1%	#2
Slaughter facilities	11	19.0%	#1
Meat processing plants	23	67.7%	#1
Rendering facilities	0	0.0%	
Commercial feed manufacturing facilities	113	27.6%	#1
Livestock auctions/buying stations	2	12.5%	#4
Ethanol plants	2 operational		

### Retailing and Distribution

Food service establishments (all) <sup>8</sup>	18,564	50.3%	#1
Retail food establishments	7,639	52.1%	#1
Total amount spent by consumers on food (estimate) <sup>9</sup>	\$13,612,500,000		
Emergency food distribution sites <sup>10</sup>	867	31.1%	
Pounds distributed	168,180,495	83.7%	
Students receiving free or reduced school lunch <sup>11</sup>	338,657		
Households receiving food stamp benefits	642,308		
Total federal funding for food stamp benefits	\$690,363,949		
Pet population (estimate) <sup>12</sup>	2,921,000		
Port(s) of entry	6		

### Local Distribution

Farmers' markets <sup>13</sup>	49
U-pick farms /On-farm markets	47
Farms using Community Supported Agriculture <sup>3</sup>	83
Value of direct-to-consumer farm product sales	\$14,407,000

Local food production index<sup>14</sup> 7

The local food production index describes both the quantity and diversity of agricultural production in a region. It is obtained by comparing region per capita production of major food crops with national per capita consumption of those crops. The highest possible index score of 100 indicates that sufficient quantities of all included crops are produced within the region to meet local demand. Michigan's statewide production index score is 30.

<sup>1</sup> U.S. Census Bureau State & County Quick Facts: <http://quickfacts.census.gov/qfd/states/26000.html>

<sup>2</sup> 2007 Census of Agriculture. National Agricultural Statistics Service. <http://www.nass.usda.gov/mi>

<sup>3</sup> Michigan Economic Development Corporation Economic Profiler: <http://ref.michigan.org/medc/Milinfo/Places/>

<sup>4</sup> The Southeast Region received \$21,134,000 in federal commodity payments in 2007.

<sup>5</sup> Includes cattle, hogs, horses, ponies, goats, sheep, chickens, alpacas, llamas, turkeys, and pheasants.

<sup>6</sup> Certified organic data from 2007 Census of Agriculture provided by Dr. Jim Bingen, MSU CARRS, from a special request to NASS.

<sup>7</sup> Michigan Department of Agriculture Databases, 2009; see explanatory document for details.

<sup>8</sup> By MDA's definition, "food service establishments" includes all facilities selling food; licensed by local health departments. "Retail food establishments" includes only grocery, convenience stores, and other facilities selling food for at-home preparation and/or consumption; licensed by MDA.

<sup>9</sup> Calculated from county population and household income (American Community Survey, US Census Bureau 2007) and estimate of 12.1% of income spent on food in the Midwest region (Bureau of Labor Statistics, <http://www.bls.gov/cex/2007/share/region.pdf>)

<sup>10</sup> Food Bank Council of Michigan: [http://www.fbcmich.org/site/PageServer?pagename=findfood\\_counties](http://www.fbcmich.org/site/PageServer?pagename=findfood_counties)

<sup>11</sup> Michigan League for Human Services. Kids Count in Michigan Databook, 2007. <http://www.milhs.org/information/default.asp?NavPageID=50096>

<sup>12</sup> Calculated from American Community Survey 2008 population estimates (US Census Bureau), according to Ohio Department of Agriculture Animal Emergency Response Plan, 2007. Includes dogs, cats, birds, rabbits, rodents, and turtles.

<sup>13</sup> Michigan Farms & Farmers' Market 2009 Directory: <http://www.michiganfarmfun.com/> and Michigan Farmers Market Association: [www.farmersmarkets.msu.edu](http://www.farmersmarkets.msu.edu)

<sup>14</sup> Calculated using USDA Census of Agriculture Data, adapted from Timmons, Wang and Kent (2008). Local Foods: Estimating Capacity. Journal of Extension 46(5).

## Southwest District



Area <sup>1</sup>	6,075 square miles (2,852,876 acres of land <sup>2</sup> )
Population <sup>3</sup>	1,509,701
Counties	Allegan, Berrien, Cass, Kalamazoo, Kent, Ottawa, Van Buren
Watersheds	St. Joseph, Kalamazoo, Grand, Black, Macatawa

## Regional rankings (out of 9):

- #1 in Michigan in acres of fruit and tree nuts (66,504) and vegetables (37,349)
- #1 in Michigan in number of controlled atmosphere storage facilities (49)
- #1 in Michigan in total market value of agricultural production (\$1,573,891,000)
- #1 in Michigan in value of direct-to-consumer sales (\$21,484,000)
- #1 in Michigan in area of greenhouse/nursery operations (32,306,234 sq. ft.)

Agricultural Revenues<sup>2</sup>

	Amount	Rank (out of 9)
Total market value of agriculture production <sup>4</sup>	\$1,573,891,000	#1
Total crop sales	\$970,122,000	#1
Total livestock sales	\$833,768,000	#1

## Locally Important Products

Apples	23,549 acres	#1
Blueberries	19,552 acres	#1
Grapes	13,500 acres	#1
Snap beans	5,478 acres	#1
Hogs and pigs	427 operations	#2
Revenue from hogs and pigs	\$179,031,000	#1
Cherries (sweet and tart)	4,512 acres	#3

## Key Michigan Products

Corn, soy, and wheat	691,063 acres (52.9% of cropland)	#4
Revenue from corn, soy, and wheat	\$227,640,000	#4
Vegetables	37,349 acres (2.9% of cropland)	#1
Revenue from vegetables	\$102,847,000	#1
Fruit and tree nuts	66,504 acres (3.0% of cropland)	#1
Revenue from fruits, tree nuts and berries	\$254,367,000	#1
Dairy farms	263 farms (11.3% of all in MI)	#4
Revenue from milk and other dairy	\$201,482,000	#3
All animal operations	3,652 operations (6,949,094 animals <sup>5</sup> )	#3

Agricultural Land<sup>2</sup>

Total number of farms	8,436	#3
Total farmland	1,305,338 acres (45.8% of total area)	#4
Forage/pasture/non-crop farmland	114,149 acres (8.7% of farmland)	#4
Number of farms using organic production	99 (29 certified organic farms <sup>6</sup> )	#3
Cropland in organic production	2,271 acres (includes non-certified acres)	#5
Cropland in transition to organic	880 acres	#5
Area of greenhouse/nursery operations	32,306,234 sq. ft.	#1

## Southwest District Michigan Food and Agricultural Systems Profiles

### Agricultural Chemicals<sup>7</sup>

	Number	Percent of MI total	Rank (out of 9)
Fertilizer manufacturers, distributors, and storage facilities	42	15.7%	#4
Pesticide storage facilities	26	17.5%	#4

### Processing and Warehousing<sup>7</sup>

Wholesale food processing plants	288	21.8%	#2
Food warehouses	204	19.6%	#2
Controlled atmosphere storage facilities	49	74.24%	#1
Dairy processing plants	15	21.3%	#2
Dairy warehouse, transfer, and truck cleaning facilities	1	3.5%	#7
Slaughter facilities (MDA licensed)	9	15.5%	#2
Meat processing plants (MDA licensed)	4	11.8%	#2
Rendering facilities	0	0.0%	
Commercial feed manufacturing facilities	86	21.0%	#2
Livestock auctions/buying stations	4	16.7%	#3

Ethanol plants none

### Retailing and Distribution

Food service establishments (all) <sup>8</sup>	5,613	15.2%	#2
Retail food establishments	1,874	12.8%	#2
Total amount spent by consumers on food (estimate) <sup>9</sup>	\$3,383,200,000		
Emergency food distribution sites <sup>10</sup>	758	27.2%	
Pounds distributed	11,750,396	5.9%	
Students receiving free or reduced school lunch <sup>11</sup>	98,717		
Households receiving food stamp benefits	158,383		
Total federal funding for food stamp benefits	\$163,451,646		
Pet population (estimate) <sup>12</sup>	797,000		
Port(s) of entry	2		

### Local Distribution

Farmers' markets <sup>13</sup>	33
U-pick farms /On-farm markets	69
Farms using Community Supported Agriculture <sup>2</sup>	72
Value of direct-to-consumer farm product sales	\$21,484,000

Local food production index<sup>14</sup> 43

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<sup>3</sup> Michigan Economic Development Corporation Economic Profiler: <http://ref.michigan.org/medc/MilInfo/Places/>

<sup>4</sup> The Southwest Region received \$14,770,000 in federal commodity payments in 2007.

<sup>5</sup> Includes cattle, hogs, horses, ponies, goats, sheep, chickens, alpacas, llamas, turkeys, and pheasants.

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<sup>10</sup> Food Bank Council of Michigan: [http://www.fbcnich.org/site/PageServer?pagename=findfood\\_counties](http://www.fbcnich.org/site/PageServer?pagename=findfood_counties)

<sup>11</sup> Michigan League for Human Services. Kids Count in Michigan Databook, 2007. <http://www.milhs.org/information/default.asp?NavPageID=50096>

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<sup>14</sup> Calculated using USDA Census of Agriculture Data, adapted from Timmons, Wang and Kent (2008). Local Foods: Estimating Capacity. Journal of Extension 46(5).