

Michigan Agricultural Statistics



2008-2009



USDA, NASS
Michigan
Field Office



Michigan
Department of
Agriculture



MICHIGAN STATE
UNIVERSITY
EXTENSION





STATE OF MICHIGAN
DEPARTMENT OF AGRICULTURE
LANSING

JENNIFER M. GRANHOLM
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DON KOIVISTO
DIRECTOR

September 2009

The Michigan Department of Agriculture (MDA) is proud of the role it plays in assuring a strong, viable food and agriculture industry in our state. We are equally proud of the partnership we have built with the Michigan Field Office of USDA's National Agricultural Statistics Service to provide you accurate data with which to gauge agriculture's importance to the economy. Our producers, industry organizations, and federal counterparts are also vital to ensuring the growth of our industry.

The impact of Michigan agriculture on our state's economy is \$71.3 billion. Production agriculture, food processing, and related businesses employ about one million residents. Further, Michigan produces over 200 commodities, making the state second only to California in terms of crop diversity.

Michigan exports about one-third of its agricultural commodities each year. In 2008, our annual agricultural exports generated nearly \$1.7 billion, and employed over 13,000 residents. The state is also home to 55,000 farms averaging 182 acres each. Significant growth in the number of small farms over the past few years, as well as large farms, is very promising. More than 35 percent of the state's total farmland is in some form of preservation agreement.

Throughout the years, agriculture has faced many complex challenges and realized many successes. The increased emphasis on the need to protect our food, land, and water resources is even more important in today's world. Additionally, the emergence of plant and animal diseases across the globe, and right here in our own state, poses a challenge for our state's food and agriculture industry. MDA continues its goal to protect Michigan consumers by ensuring a secure and wholesome food supply; promoting the state's agricultural products and tourism; and preserving our 10 million acres of farmland.

As the nation struggles with a bleak economy, Michigan agriculture is fortunate to be on the upswing. It is indeed an exciting time to be part of this dynamic industry. MDA will continue to serve Michigan citizens with great pride and enthusiasm.

If you have questions or comments about MDA or our state's agriculture industry, please contact the department at (800) 282-3939 or mda-info@michigan.gov.

Sincerely,

A handwritten signature in black ink that reads 'Don Koivisto'.

Don Koivisto
Director



DATE: September 9, 2009

TO: Dave Kleweno
USDA – National Agricultural Statistics

FROM: Stephen B. Lovejoy Douglas Buhler
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Steve Hanson, Chair
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RE: NASS 2008-09 Agricultural Statistics publication

Michigan State University is pleased to partner with the Michigan Department of Agriculture and the National Agricultural Statistics Service (USDA) in continuing the long tradition of providing data on Michigan's agricultural economy with the release of the 2008-09 Agricultural Statistics publication information on the changing production patterns and production units in Michigan is very valuable as the College of Agriculture and Natural Resources, the Michigan Agricultural Experiment Station and Michigan State University Extension develop our research and education plans and programs.

Our goal is to assist the agricultural sector in their efforts to continue to grow and provide for the food and fiber needs of families, in Michigan and across the globe. In addition, we strive to assist a wide variety of agricultural producers and agribusiness firms to be sustainable, environmentally and economically.

We look forward to continuing this partnership as Michigan Agriculture continues to grow and prosper.



United States Department of Agriculture
National Agricultural Statistics Service
Michigan Field Office
Cooperating with Michigan Department of Agriculture



September 2009

The Michigan Field Office of USDA's National Agricultural Statistics Service (NASS) is pleased to present the 2008-2009 Michigan Agricultural Statistics publication. This comprehensive summary of Michigan's agriculture is available as a product of the partnership between the Michigan Department of Agriculture, Michigan State University (Agricultural Experiment Station, College of Agriculture and Natural Resources, and Extension), and NASS. Without funding and support provided from the partnership, this state publication would not be compiled. This publication serves as the only established source for measuring and monitoring a changing agriculture landscape since 1886.

As the general economy experienced a sizeable downturn, Michigan's agricultural industry remained resilient and generally strong. Farm cash receipts in 2008 set a new record of nearly \$6.6 billion. Significantly higher input expenses were incurred, particularly for seed, fuel, fertilizer, and pesticides. Still, net farm income showed a 67 percent increase above 2007. Despite the generally early cool temperatures and extended dry conditions later in the growing season, several commodities fared well. Sectors showing a positive increase included corn, soybeans, wheat, potatoes, dry beans, asparagus, and tart cherries. Dairy products, peppers, apples, grapes, and several livestock categories were generally flat to somewhat positive. A negative change from 2007 was seen for snap beans, cucumbers, onions, squash, blueberries, and the greenhouse/nursery industry. Additional information is available in this publication at www.nass.usda.gov, then enter Michigan in the drop-down "Statistics by State."

Results from the 2007 Census of Agriculture were released in February 2009. The census provides the only broad agricultural database available by county. The number of farms increased reflecting more small sized operations, although land in farms showed a decrease. Fewer than 5 percent of Michigan farms account for nearly 70 percent of agricultural sales. Sizeable growth was seen in organic, direct marketing, and agri-tourism market sales. Numerous special summaries, profiles, and products are available on-line at the above site. Legislative district profiles for both the Senate and House are also available, thanks to the MDA-MSU-NASS partnership which supported the development of this special state product.

We extend a special thank you to Michigan's growers and commodity supporters. Without their cooperation and support, timely and accurate agricultural information would not be available.

On behalf of the office staff and the National Association of State Departments of Agriculture enumerator team, thank you for providing us an opportunity to serve you. Please contact us anytime with your comments, questions, or requests for information.

Sincerely,

David D. Kleweno
Director

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Rank in U.S. agriculture by selected commodities, 2008

| Rank | Item | Unit | Quantity | Percent of U.S. | Leading state |
|-------------------------------|-------------------------------|-----------------|------------------|-----------------|----------------|
| | | | <i>Thousands</i> | <i>Percent</i> | |
| 1 | Beans, dry, black | Cwt | 1,691 | 57.8 | Michigan |
| | Beans, dry, cranberry | Cwt | 108 | 76.6 | Michigan |
| | Beans, dry, small red | Cwt | 425 | 52.1 | Michigan |
| | Blueberries | Pounds | 110,000 | 31.5 | Michigan |
| | Cherries, tart | Pounds | 165,000 | 77.0 | Michigan |
| | Cucumbers (for pickles) | Tons | 189.1 | 33.4 | Michigan |
| | Geraniums (seed and cuttings) | Pots | 22,172 | 36.4 | Michigan |
| | Grapes, Niagara | Tons | 22.0 | 36.4 | Michigan |
| | Hostas | Pots | 2,773 | 27.0 | Michigan |
| | Impatiens | Flats | 1,932 | 22.3 | Michigan |
| | Petunias | Flats | 1,476 | 19.8 | Michigan |
| | Other herbaceous perennials | Pots | 21,125 | 14.6 | Michigan |
| | Squash | Cwt | 1,320 | 19.7 | Michigan |
| | 2 | Beans, dry, all | Cwt | 3,607 | 14.1 |
| Beans, dry, navy | | Cwt | 1,162 | 25.6 | North Dakota |
| Carrots (fresh market) | | Cwt | 667 | 2.7 | California |
| Celery | | Cwt | 945 | 4.7 | California |
| Hardy/garden Chrysanthemums | | Pots | 5,632 | 12.8 | North Carolina |
| Marigolds | | Flats | 705 | 18.2 | California |
| Vegetable type bedding plants | | Flats | 696 | 15.8 | California |
| 3 | Apples | Pounds | 600,000 | 6.1 | Washington |
| | Asparagus | Cwt | 258 | 27.1 | California |
| | Carrots (processing) | Tons | 67.5 | 16.7 | Washington |
| | Cucumbers (fresh market) | Cwt | 759 | 7.7 | Florida |
| | Sugarbeets | Tons | 3,903 | 14.6 | Minnesota |
| 4 | Beans, dry, dark red kidney | Cwt | 29 | 2.9 | Minnesota |
| | Beans, dry, light red kidney | Cwt | 117 | 11.4 | Nebraska |
| | Beans, snap (processing) | Tons | 54.75 | 6.8 | Wisconsin |
| | Cherries, sweet | Tons | 26.5 | 10.7 | Washington |
| | Grapes, Concord | Tons | 45.8 | 10.2 | Washington |
| | Plums | Tons | 2.3 | .6 | California |
| 5 | Grapes, all | Tons | 73.7 | 1.0 | California |
| | Pumpkins | Cwt | 986 | 9.2 | Illinois |
| 6 | Maple syrup | Gallons | 100 | 6.1 | Vermont |
| 7 | Peaches | Tons | 14.0 | 1.0 | California |
| 8 | Potatoes | Cwt | 14,875 | 3.6 | Idaho |
| 9 | Milk | Pounds | 7,763,000 | 4.1 | California |
| 11 | Corn for grain | Bushels | 295,320 | 2.4 | Iowa |
| 13 | Soybeans | Bushels | 69,930 | 2.4 | Iowa |
| 14 | Hogs, as of Dec. 1, 2008 | Head | 1,020 | 1.5 | Iowa |
| | Wheat, winter | Bushels | 48,990 | 2.6 | Kansas |
| 19 | Cash receipts | Dollars | 6,606,642 | 2.0 | California |
| 23 | Hay, all | Tons | 2,663 | 1.8 | Texas |
| 30 | Cattle, as of Jan. 1, 2009 | Head | 1,070 | 1.1 | Texas |

Number of farms and land in farms by economic sales class, 2004-2008 ¹

| Year | Economic sales class | | | | | Total | Average size of farm |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | \$1,000-\$9,999 | \$10,000-\$99,999 | \$100,000-\$249,999 | \$250,000-\$499,999 | \$500,000+ | | |
| | <i>1,000 farms</i> | <i>1,000 farms</i> | <i>1,000 farms</i> | <i>1,000 farms</i> | <i>1,000 farms</i> | <i>1,000 farms</i> | |
| 2004 | 31.4 | 15.0 | 3.1 | 1.9 | 1.8 | 53.2 | |
| 2005 | 31.1 | 15.0 | 3.2 | 1.8 | 1.9 | 53.0 | |
| 2006 | 31.1 | 14.8 | 3.3 | 1.8 | 2.0 | 53.0 | |
| 2007 | 33.1 | 14.8 | 3.5 | 2.1 | 2.5 | 56.0 | |
| 2008 | 32.3 | 14.5 | 3.6 | 2.1 | 2.5 | 55.0 | |
| | <i>Million acres</i> | <i>Million acres</i> | <i>Million acres</i> | <i>Million acres</i> | <i>Million acres</i> | <i>Million acres</i> | <i>Acres</i> |
| 2004 | 1.90 | 2.60 | 1.60 | 1.60 | 2.40 | 10.10 | 190 |
| 2005 | 1.90 | 2.50 | 1.60 | 1.60 | 2.50 | 10.10 | 191 |
| 2006 | 1.85 | 2.40 | 1.60 | 1.60 | 2.65 | 10.10 | 191 |
| 2007 | 1.85 | 2.10 | 1.35 | 1.40 | 3.30 | 10.00 | 179 |
| 2008 | 1.80 | 2.00 | 1.40 | 1.40 | 3.40 | 10.00 | 182 |

¹ USDA estimates of farm number and land in farms are based on the definition "a farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year."

Farm real estate: Values and cash rents, 2005-2009

| Year | Farm real estate average value per acre | Cropland | | Pasture |
|------|---|------------------------|----------------------------|------------------------|
| | | Average value per acre | Average cash rent per acre | Average value per acre |
| | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| 2005 | 3,070 | 2,680 | 62 | 1,900 |
| 2006 | 3,370 | 2,900 | 65 | 2,070 |
| 2007 | 3,760 | 3,280 | 73 | 2,450 |
| 2008 | 3,900 | 3,480 | 78 | 2,630 |
| 2009 | 3,750 | 3,370 | 83 | 2,550 |

Farm Income

Net farm income in 2008 rose 67 percent from last year to a record high \$2.03 billion. That includes \$166 million of government payments. The total agriculture output was \$7.67 billion dollars, up 16 percent from 2007. Production expenses were \$3.74 billion in 2008, up 9 percent from the previous year.

Preliminary cash receipts from 2008 marketings of Michigan crops, livestock and livestock products totaled \$6.61 billion, up 13 percent from 2007. Michigan ranked 19 nationally in total cash receipts.

Crop receipts, at \$4.08 billion, were up 18 percent from 2007. Increases were noted in the market value of field crops and vegetable crops. Livestock cash receipts were up 5 percent from a year earlier to \$2.53 billion.

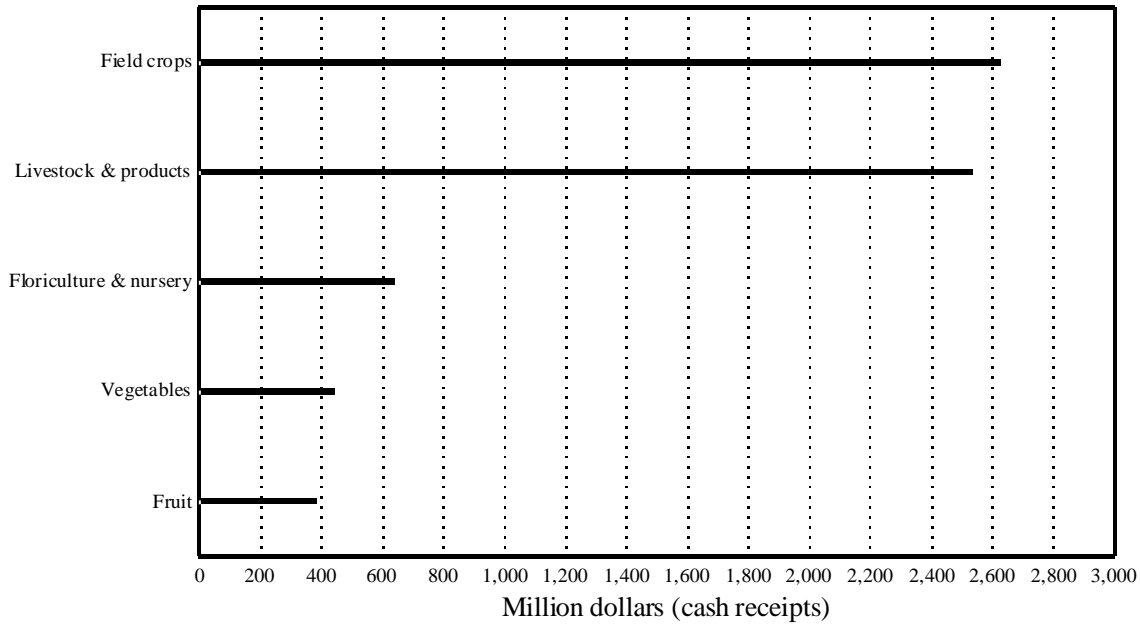
In 2008, the top ten Michigan commodities ranked by cash receipts were milk, corn, soybeans, floriculture and nursery, cattle and calves, poultry and eggs, wheat, hogs, sugarbeets, and potatoes.

Government payments, 2004-2008 ¹

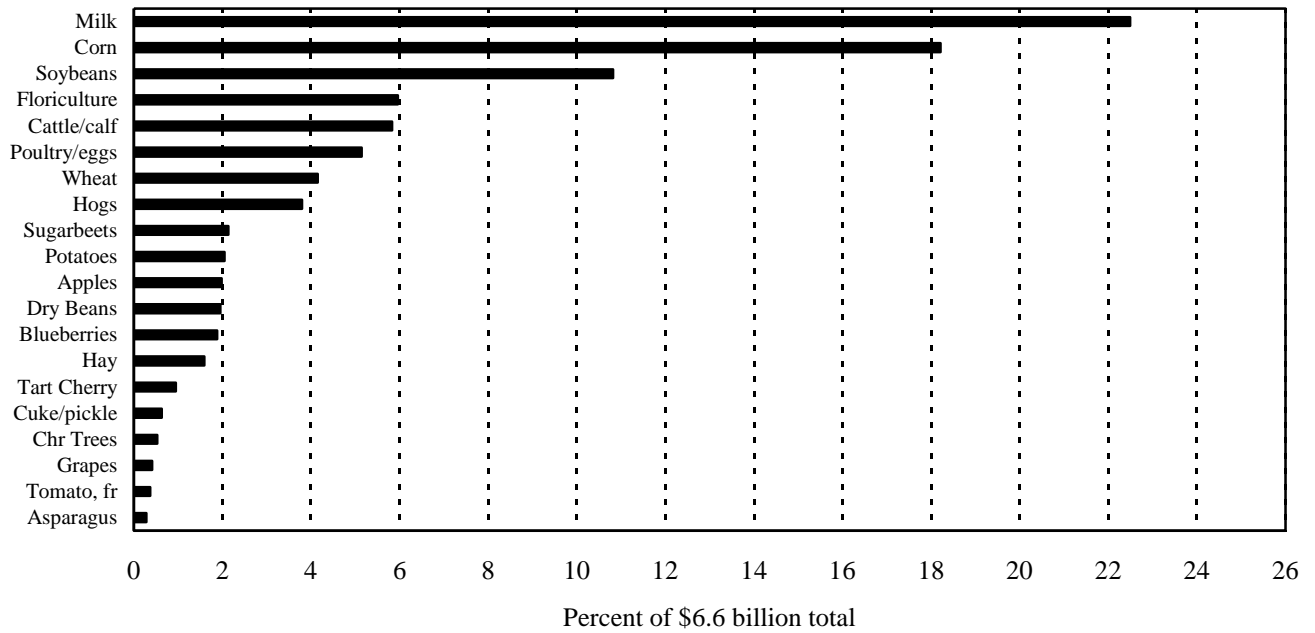
| Program | 2004 | 2005 | 2006 | 2007 | 2008 |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|
| | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> |
| Conservation programs | 32,595 | 41,846 | 51,279 | 45,926 | 49,047 |
| Production flexibility contract payments | -104 | -2 | NA | NA | NA |
| Direct payments | 89,513 | 89,782 | 85,952 | 86,970 | 86,691 |
| Counter-cyclical payments | 5,805 | 70,996 | 72,304 | 179 | 2 |
| Loan deficiency payments | 56,370 | 129,548 | 15,570 | 64 | 13 |
| Miscellaneous programs | 2,001 | 7,100 | 1,891 | -63 | 47 |
| Ad Hoc and emergency programs | 20,729 | 47,859 | 1,829 | 3,300 | 30,540 |
| Milk income loss payments | 8,404 | 542 | 18,816 | 3,868 | 2 |
| Total | 215,313 | 387,671 | 247,641 | 140,244 | 166,342 |

¹ Source: U.S. Department of Agriculture, Economic Research Service.

Major Michigan Commodity Groups, 2008



Top 20 Commodities in Cash Receipts, 2008



Value added to the economy by the Michigan agricultural sector 2004-2008 ¹

| Item ² | 2004 | 2005 | 2006 | 2007 | 2008 |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| | <i>Million dollars</i> | <i>Million dollars</i> | <i>Million dollars</i> | <i>Million dollars</i> | <i>Million dollars</i> |
| Value of crop production | 2,659.1 | 2,517.6 | 2,941.7 | 3,324.8 | 4,091.5 |
| Food grains | 118.5 | 117.0 | 148.6 | 188.2 | 275.1 |
| Feed crops | 505.2 | 463.5 | 664.2 | 879.5 | 1,314.8 |
| Oil crops | 377.5 | 433.1 | 471.8 | 628.7 | 716.0 |
| Fruits and tree nuts | 292.8 | 277.2 | 344.3 | 419.5 | 380.8 |
| Vegetables, potatoes, dry beans | 437.2 | 407.0 | 447.1 | 487.8 | 563.3 |
| All other crops | 783.5 | 800.1 | 854.4 | 849.3 | 827.7 |
| Home consumption | 4.3 | 3.8 | 2.6 | 1.7 | 2.1 |
| Value of inventory adjustment ³ | 140.1 | 15.8 | 8.8 | -129.9 | 11.7 |
| Value of livestock production | 1,762.5 | 1,782.7 | 1,715.4 | 2,431.0 | 2,547.6 |
| Meat animals | 524.9 | 512.1 | 503.8 | 580.5 | 640.1 |
| Dairy products | 1,027.7 | 1,035.7 | 943.0 | 1,497.2 | 1,485.7 |
| Poultry and eggs | 172.9 | 132.7 | 153.8 | 256.4 | 339.7 |
| Miscellaneous livestock | 53.4 | 53.0 | 59.5 | 66.4 | 63.4 |
| Home consumption | 14.2 | 12.5 | 13.9 | 16.0 | 19.2 |
| Value of inventory adjustment ³ | -30.6 | 36.8 | 41.4 | 14.5 | -0.6 |
| Revenues from services and forestry | 745.4 | 813.6 | 882.6 | 855.2 | 1,032.5 |
| Machine hire and custom work | 30.7 | 53.2 | 31.7 | 35.5 | 28.2 |
| Forest products sold | 11.9 | 11.9 | 11.9 | 14.0 | 14.0 |
| Other farm income | 197.5 | 197.2 | 208.8 | 191.8 | 327.5 |
| Gross imputed rental value-farm dwellings | 505.3 | 551.4 | 630.1 | 613.9 | 662.8 |
| Value of agricultural sector production | 5,167.0 | 5,113.9 | 5,539.7 | 6,611.0 | 7,671.6 |
| less: Purchased inputs | 2,488.3 | 2,515.8 | 2,598.5 | 3,443.2 | 3,739.8 |
| Farm origin | 782.1 | 794.3 | 874.5 | 1,147.0 | 1,235.3 |
| Feed purchased | 439.4 | 421.3 | 512.4 | 727.3 | 696.8 |
| Livestock and poultry purchased | 53.2 | 65.9 | 70.1 | 73.4 | 76.6 |
| Seed purchased | 289.5 | 307.1 | 292.0 | 346.4 | 461.9 |
| Manufactured inputs | 741.0 | 768.9 | 804.8 | 1,062.7 | 1,321.7 |
| Fertilizers and lime | 286.9 | 298.1 | 302.3 | 448.0 | 607.3 |
| Pesticides | 215.8 | 195.8 | 199.7 | 241.5 | 279.4 |
| Petroleum fuel and oils | 170.8 | 216.9 | 242.7 | 297.5 | 357.1 |
| Electricity | 67.5 | 58.1 | 60.1 | 75.8 | 77.9 |
| Other purchased inputs | 965.2 | 952.7 | 919.2 | 1,233.4 | 1,182.9 |
| Repair and maintenance of capital items | 279.5 | 258.2 | 278.1 | 316.3 | 349.9 |
| Machine hire and custom work | 55.8 | 75.2 | 64.0 | 88.3 | 86.3 |
| Marketing, storage, and transp. expenses | 123.8 | 146.5 | 131.8 | 164.4 | 160.5 |
| Contract labor | 30.5 | 15.7 | 16.6 | 26.4 | 15.0 |
| Miscellaneous expenses | 475.6 | 457.1 | 428.7 | 638.1 | 571.1 |
| plus: Net government transactions | 3.1 | 156.9 | -17.2 | -116.3 | -89.4 |
| plus: Direct Government payments | 215.3 | 387.7 | 247.6 | 140.2 | 166.3 |
| less: Motor vehicle reg. and licensing fees | 7.9 | 8.4 | 9.7 | 10.9 | 9.3 |
| less: Property taxes | 204.3 | 222.4 | 255.1 | 245.6 | 246.4 |
| Gross value added | 2,681.9 | 2,755.0 | 2,923.9 | 3,051.6 | 3,842.4 |
| less: Capital consumption | 675.5 | 719.9 | 758.6 | 784.4 | 829.4 |
| Net value added | 2,006.3 | 2,035.1 | 2,165.3 | 2,267.1 | 3,013.0 |
| less: Payments to stakeholders | 759.7 | 779.6 | 854.3 | 1,052.4 | 985.5 |
| Employee compensation (total hired labor) | 565.5 | 496.2 | 519.6 | 749.6 | 681.1 |
| Net rent received by nonoperator landlords | 4.4 | 59.8 | 79.8 | 33.6 | 47.6 |
| Real estate and nonreal estate interest | 189.8 | 223.6 | 255.0 | 269.3 | 256.8 |
| Net farm income | 1,246.6 | 1,255.5 | 1,311.0 | 1,214.7 | 2,027.5 |

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operator's share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

³ A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales.

Cash receipts by commodity groups and selected commodities 2004-2008 ¹

| Item | 2004 | 2005 | 2006 | 2007 | 2008 |
|-------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> |
| Total cash receipts | 4,293,631 | 4,231,467 | 4,590,421 | 5,853,458 | 6,606,642 |
| Total livestock and products | 1,778,900 | 1,733,402 | 1,660,013 | 2,400,458 | 2,528,892 |
| Meat animals | 524,881 | 512,088 | 503,763 | 580,497 | 640,101 |
| Cattle and calves | 282,708 | 277,781 | 294,627 | 343,331 | 384,942 |
| Hogs | 238,274 | 229,852 | 205,669 | 233,132 | 250,885 |
| Sheep and lambs | 3,899 | 4,455 | 3,467 | 4,034 | 4,274 |
| Dairy (milk) | 1,027,715 | 1,035,650 | 942,970 | 1,497,200 | 1,485,696 |
| Poultry and eggs | 172,896 | 132,652 | 153,771 | 256,397 | 339,668 |
| Eggs | 94,313 | 61,870 | 73,097 | 155,371 | 211,524 |
| Turkeys | 67,988 | 63,825 | 69,654 | 88,210 | (²) |
| Other | 10,595 | 6,957 | 11,020 | 12,816 | 128,144 |
| Miscellaneous livestock | 53,408 | 53,012 | 59,509 | 66,364 | 63,427 |
| Honey | 4,965 | 4,243 | 4,633 | 5,484 | 7,412 |
| Mink pelts | 2,045 | 2,379 | 3,380 | 2,565 | 2,565 |
| Trout | 790 | 793 | 783 | 848 | 1,027 |
| Other | 45,608 | 45,597 | 50,713 | 57,467 | 52,423 |
| Total crops | 2,514,731 | 2,498,065 | 2,930,408 | 3,453,000 | 4,077,750 |
| Field crops | 1,180,028 | 1,233,802 | 1,539,603 | 1,970,956 | 2,622,636 |
| Corn | 445,751 | 371,784 | 577,864 | 805,812 | 1,203,349 |
| Dry beans | 60,779 | 75,979 | 75,431 | 97,168 | 129,060 |
| Hay | 55,719 | 87,008 | 82,352 | 69,028 | 104,932 |
| Soybeans | 376,716 | 432,343 | 470,922 | 627,606 | 714,784 |
| Sugarbeets | 90,790 | 111,387 | 135,774 | 125,532 | 140,508 |
| Wheat | 117,925 | 116,029 | 147,556 | 187,545 | 274,256 |
| Other | 32,348 | 39,272 | 49,704 | 58,265 | 55,747 |
| Vegetables | 376,470 | 331,030 | 371,636 | 390,621 | 434,250 |
| Asparagus | 17,468 | 12,006 | 14,866 | 16,092 | 18,516 |
| Beans, snap | 18,660 | 23,135 | 17,523 | 18,465 | 15,978 |
| Carrots | 17,899 | 18,666 | 18,249 | 14,988 | 17,668 |
| Celery | 15,215 | 10,493 | 19,920 | 12,334 | 14,705 |
| Corn, sweet | 13,904 | 16,000 | 16,830 | 14,652 | 16,991 |
| Cucumbers, fresh | 22,274 | 14,976 | 16,354 | 15,358 | 14,117 |
| Cucumbers, pickles | 35,363 | 26,611 | 33,492 | 42,665 | 41,602 |
| Onions | 10,518 | 8,128 | 9,073 | 13,351 | 11,330 |
| Peppers, green, fresh | 13,572 | 9,016 | 9,828 | 12,870 | 12,000 |
| Potatoes | 93,072 | 94,739 | 101,184 | 103,261 | 135,550 |
| Pumpkins | 13,104 | 9,048 | 9,405 | 8,556 | 15,283 |
| Squash | 16,240 | 16,337 | 14,459 | 13,538 | 12,144 |
| Tomatoes, fresh | 26,208 | 16,720 | 23,000 | 24,794 | 24,570 |
| Tomatoes, processing | 8,789 | (²) | 10,049 | 10,098 | (²) |
| Other | 54,184 | 55,155 | 57,404 | 69,599 | 83,796 |
| Fruit | 292,751 | 277,214 | 344,324 | 419,470 | 380,815 |
| Apples | 96,272 | 90,298 | 109,834 | 128,179 | 130,555 |
| Blueberries | 97,210 | 83,500 | 149,655 | 165,456 | 124,000 |
| Grapes | 13,690 | 21,518 | 9,242 | 28,605 | 26,794 |
| Peaches | 10,274 | 7,982 | 13,066 | 16,298 | 9,052 |
| Strawberries | 4,005 | 4,878 | 6,285 | 5,028 | 5,846 |
| Sweet cherries | 16,311 | 16,732 | 15,492 | 17,709 | 15,159 |
| Tart cherries | 49,861 | 47,555 | 34,697 | 50,905 | 63,030 |
| Other | 5,128 | 4,751 | 6,053 | 7,290 | 6,379 |
| Miscellaneous crops | 17,327 | 7,117 | 4,325 | 4,193 | 6,518 |
| Floriculture and nursery | 648,155 | 648,902 | 670,520 | 667,760 | 633,531 |

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² Not published to avoid disclosure of individual operations.

Corn production costs and returns, excluding direct Government payments, 2007-2008

| Item | United States | | Northern Crescent ¹ | |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | 2007 | 2008 | 2007 | 2008 |
| | <i>Dollars per planted acre</i> | <i>Dollars per planted acre</i> | <i>Dollars per planted acre</i> | <i>Dollars per planted acre</i> |
| Gross value of production | 468.94 | 629.36 | 351.9 | 476.92 |
| Operating costs | | | | |
| Seed | 49.04 | 60.02 | 49.4 | 61.29 |
| Fertilizer ² | 93.13 | 150.19 | 103.65 | 170.6 |
| Chemicals | 24.38 | 25.09 | 21.43 | 22.25 |
| Custom operations | 10.93 | 10.98 | 13.59 | 13.59 |
| Fuel, lube, and electricity | 31.58 | 42.52 | 31.05 | 41 |
| Repairs | 14.86 | 15.37 | 15.1 | 15.5 |
| Purchased irrigation water | 0.13 | 0.14 | 0.02 | 0.02 |
| Interest on operating capital | 4.94 | 2.25 | 5.16 | 2.4 |
| Total, operating costs | 228.99 | 306.56 | 239.4 | 326.65 |
| Allocated overhead | | | | |
| Hired labor | 2.26 | 2.37 | 3.25 | 3.36 |
| Opportunity cost of unpaid labor | 24.34 | 25.12 | 34.1 | 35.26 |
| Capital recovery of machinery and equipment | 69.77 | 75.26 | 66.83 | 72.08 |
| Opportunity cost of land (rental rate) | 97.21 | 107.37 | 81.28 | 90.98 |
| Taxes and insurance | 7.52 | 8.29 | 10.23 | 11.35 |
| General farm overhead | 13.88 | 14.18 | 18.93 | 19.43 |
| Total, allocated overhead | 214.98 | 232.59 | 214.62 | 232.46 |
| Total, costs listed | 443.97 | 539.15 | 454.02 | 559.11 |
| Value of production less total costs listed | 24.97 | 90.21 | -102.12 | -82.19 |
| Value of production less operating costs | 239.95 | 322.8 | 112.5 | 150.27 |
| Supporting information | | | | |
| Yield (bushels per planted acre) | 143 | 144 | 108 | 115 |
| Price (dollars per bushel at harvest) | 3.27 | 4.36 | 3.23 | 4.12 |
| Enterprise size (planted acres) ³ | 250 | 250 | 128 | 128 |
| Production practices ³ | | | | |
| Irrigated (percent) | 12 | 12 | 5 | 5 |
| Dryland (percent) | 88 | 88 | 95 | 95 |

¹ Includes NE Minnesota, Wisconsin, Michigan, NE Ohio, Central Maryland, most of Pennsylvania, New Jersey, New York, and New England.

² Includes soil conditioners and manure.

³ Developed from survey base year, 2005.

Soybean production costs and returns, excluding direct Government payments, 2007-2008

| Item | United States | | Northern Crescent ¹ | |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | 2007 | 2008 | 2007 | 2008 |
| | <i>Dollars per planted acre</i> | <i>Dollars per planted acre</i> | <i>Dollars per planted acre</i> | <i>Dollars per planted acre</i> |
| Gross value of production | 358.74 | 446.45 | 342.53 | 393.8 |
| Operating costs | | | | |
| Seed | 39.77 | 44.35 | 41.75 | 46.55 |
| Fertilizer ² | 16.84 | 30.02 | 24.08 | 43.14 |
| Chemicals | 14.88 | 16.3 | 14.03 | 15.33 |
| Custom operations | 6.51 | 6.56 | 8.58 | 8.58 |
| Fuel, lube, and electricity | 15.23 | 20.14 | 13.75 | 17.87 |
| Repairs | 12.36 | 12.91 | 10.82 | 11.18 |
| Purchased irrigation water | 0.11 | 0.12 | 0 | 0 |
| Interest on operating capital | 2.37 | 2.92 | 2.53 | 3.2 |
| Total, operating costs | 108.06 | 133.31 | 115.54 | 145.85 |
| Allocated overhead | | | | |
| Hired labor | 2.25 | 2.6 | 1.41 | 1.57 |
| Opportunity cost of unpaid labor | 18.8 | 21.04 | 20.12 | 22.43 |
| Capital recovery of machinery and equipment | 74.12 | 82.98 | 63.8 | 71.13 |
| Opportunity cost of land (rental rate) | 105.17 | 116.26 | 85.48 | 95.31 |
| Taxes and insurance | 9.72 | 10.81 | 12.03 | 13.41 |
| General farm overhead | 16.27 | 18.06 | 20.9 | 23.31 |
| Total, allocated overhead | 226.33 | 251.75 | 203.74 | 227.16 |
| Total, costs listed | 334.39 | 385.07 | 319.28 | 373.01 |
| Value of production less total costs listed | 24.35 | 61.38 | 23.25 | 20.8 |
| Value of production less operating costs | 250.69 | 313.14 | 226.99 | 247.96 |
| Supporting information | | | | |
| Yield (bushels per planted acre) | 45 | 43 | 43 | 38 |
| Price (dollars per bushel at harvest) | 7.95 | 10.48 | 8.02 | 10.46 |
| Enterprise size (planted acres) ³ | 303 | 303 | 164 | 164 |
| Production practices ³ | | | | |
| Irrigated (percent) | 9 | 9 | 2 | 2 |
| Dryland (percent) | 91 | 91 | 98 | 98 |

¹ Includes NE Minnesota, Wisconsin, Michigan, NE Ohio, most of Pennsylvania, New Jersey, New York, Central Maryland, and New England.

² Includes soil conditioners and manure.

³ Developed from survey base year, 2006.

Livestock and products: Marketing year average prices received by farmers, 2004-2008

| Year | All hogs per cwt | All beef per cwt ¹ | Cows per cwt ² | Steers and heifers per cwt | Milk cows per head ³ | Calves per cwt | Market eggs per dozen | All milk wholesale per cwt | Turkeys per pound ⁴ |
|------|------------------|-------------------------------|---------------------------|----------------------------|---------------------------------|----------------|-----------------------|----------------------------|--------------------------------|
| | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| 2004 | 45.90 | 68.70 | 50.40 | 76.60 | 1,640 | 109.00 | 0.562 | 16.30 | 0.37 |
| 2005 | 46.70 | 73.20 | 52.10 | 82.20 | 1,840 | 132.00 | 0.346 | 15.40 | 0.37 |
| 2006 | 42.00 | 71.90 | 49.10 | 81.60 | 1,930 | 134.00 | 0.366 | 13.30 | 0.39 |
| 2007 | 41.10 | 75.80 | 49.30 | 87.00 | 1,910 | 118.00 | 0.726 | 19.70 | 0.46 |
| 2008 | 42.50 | 77.10 | 52.00 | 87.80 | 2,200 | 99.90 | 0.956 | 19.20 | |

¹ Combined price for "Cows" and "Steers and Heifers."

² Beef cows and cull dairy cows sold for slaughter.

³ Sold for dairy herd replacement only. Prices published January, April, July, and October.

⁴ Data not available after 2007.

Livestock and products: Monthly prices received by farmers, 2008-2009

| Month | Beef cattle per cwt ¹ | Cows per cwt ² | Steers and heifers per cwt | Milk cows per head ³ | Calves per cwt | Market eggs per dozen | All milk wholesale per cwt |
|-----------|----------------------------------|---------------------------|----------------------------|---------------------------------|----------------|-----------------------|----------------------------|
| | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| 2008 | | | | | | | |
| January | 75.60 | 49.00 | 87.00 | 2,200 | 103.00 | 1.170 | 21.80 |
| February | 76.80 | 53.00 | 87.00 | | 104.00 | 1.200 | 20.00 |
| March | 76.80 | 53.00 | 87.00 | | 103.00 | 1.290 | 18.70 |
| April | 76.50 | 52.00 | 87.00 | 2,200 | 103.00 | 0.800 | 18.80 |
| May | 78.80 | 55.00 | 89.00 | | 105.00 | 0.660 | 18.70 |
| June | 79.80 | 56.00 | 90.00 | | 105.00 | 0.960 | 19.80 |
| July | 81.50 | 57.00 | 92.00 | 2,200 | 100.00 | 0.680 | 20.30 |
| August | 81.80 | 58.00 | 92.00 | | 102.00 | 0.820 | 19.50 |
| September | 80.20 | 55.00 | 91.00 | | 98.00 | 0.820 | 19.20 |
| October | 76.20 | 51.00 | 87.00 | 2,150 | 94.00 | 0.910 | 18.50 |
| November | 72.60 | 46.00 | 84.00 | | 90.00 | 0.880 | 18.10 |
| December | 68.60 | 42.00 | 80.00 | | 84.00 | 0.880 | 16.80 |
| 2009 | | | | | | | |
| January | 70.60 | 44.00 | 82.00 | 1,850 | 86.00 | 0.900 | 15.00 |
| February | 68.10 | 45.00 | 78.00 | | 88.00 | 0.620 | 12.30 |
| March | 68.10 | 45.00 | 78.00 | | 93.00 | 0.640 | 12.00 |
| April | 70.10 | 47.00 | 80.00 | 1,550 | 98.00 | 0.740 | 12.50 |
| May | 71.40 | 49.00 | 81.00 | | 98.00 | 0.390 | 12.30 |
| June | 69.40 | 47.00 | 79.00 | | 93.00 | 0.370 | 12.00 |
| July | 69.00 | 48.00 | 78.00 | 1,450 | 91.00 | 0.510 | 12.00 |
| August | | | | | | | |
| September | | | | | | | |
| October | | | | | | | |
| November | | | | | | | |
| December | | | | | | | |

¹ Combined price for "Cows" and "Steers and Heifers."

² Beef cows and cull dairy cows sold for slaughter.

³ Sold for dairy herd replacement only. Prices published January, April, July, and October.

Dry edible beans: Percent of sales by month, 2003-2008

| Month | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 |
|-----------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| September | 25 | 31 | 23 | 25 | 18 |
| October | 14 | 20 | 29 | 23 | 28 |
| November | 18 | 4 | 6 | 9 | 13 |
| December | 8 | 5 | 6 | 3 | 6 |
| January | 4 | 3 | 5 | 4 | 4 |
| February | 4 | 5 | 3 | 2 | 3 |
| March | 6 | 5 | 3 | 2 | 3 |
| April | 3 | 3 | 1 | 3 | 3 |
| May | 10 | 1 | 2 | 2 | 3 |
| June | 3 | 2 | 7 | 25 | 2 |
| July | 3 | 2 | 1 | 1 | 1 |
| August | 2 | 19 | 14 | 1 | 16 |

Corn: Percent of sales by month, 2003-2008

| Month | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 |
|-----------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| October | 7 | 11 | 17 | 11 | 14 |
| November | 20 | 21 | 13 | 25 | 16 |
| December | 21 | 12 | 9 | 11 | 9 |
| January | 13 | 11 | 11 | 13 | 11 |
| February | 8 | 7 | 8 | 7 | 7 |
| March | 6 | 5 | 6 | 4 | 6 |
| April | 5 | 4 | 8 | 5 | 8 |
| May | 3 | 5 | 6 | 4 | 5 |
| June | 5 | 7 | 5 | 6 | 7 |
| July | 4 | 6 | 5 | 5 | 7 |
| August | 4 | 6 | 6 | 4 | 4 |
| September | 4 | 5 | 6 | 5 | 6 |

Hay: Percent of sales by month, 2003-2008

| Month | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 |
|-----------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| June | 13 | 14 | 14 | 14 | 15 |
| July | 12 | 12 | 15 | 15 | 13 |
| August | 11 | 9 | 13 | 13 | 12 |
| September | 8 | 6 | 13 | 13 | 8 |
| October | 7 | 6 | 13 | 13 | 6 |
| November | 8 | 8 | 5 | 5 | 6 |
| December | 8 | 9 | 5 | 5 | 8 |
| January | 8 | 10 | 5 | 5 | 8 |
| February | 8 | 9 | 5 | 5 | 7 |
| March | 7 | 7 | 4 | 4 | 6 |
| April | 6 | 6 | 4 | 4 | 6 |
| May | 4 | 4 | 4 | 4 | 5 |

Oats: Percent of sales by month, 2003-2008

| Month | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 |
|-----------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| July | 9 | 2 | 26 | 13 | 17 |
| August | 55 | 28 | 40 | 43 | 40 |
| September | 8 | 32 | 3 | 7 | 10 |
| October | 6 | 3 | 2 | 5 | 4 |
| November | 2 | 2 | 2 | 1 | 2 |
| December | 2 | 4 | 3 | 5 | 4 |
| January | 2 | 3 | 5 | 6 | 5 |
| February | 2 | 4 | 7 | 5 | 1 |
| March | 5 | 4 | 6 | 8 | 2 |
| April | 5 | 5 | 3 | 3 | 4 |
| May | 1 | 4 | 1 | 1 | 1 |
| June | 3 | 9 | 2 | 3 | 10 |

Soybeans: Percent of sales by month, 2003-2008

| Month | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 |
|-----------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| September | 3 | 5 | 13 | 4 | 6 |
| October | 40 | 20 | 28 | 24 | 32 |
| November | 7 | 16 | 5 | 19 | 13 |
| December | 11 | 7 | 7 | 7 | 7 |
| January | 11 | 7 | 9 | 11 | 11 |
| February | 6 | 10 | 5 | 7 | 8 |
| March | 6 | 8 | 6 | 5 | 5 |
| April | 4 | 5 | 6 | 4 | 5 |
| May | 2 | 5 | 7 | 5 | 4 |
| June | 3 | 11 | 4 | 7 | 4 |
| July | 5 | 3 | 5 | 4 | 3 |
| August | 2 | 3 | 5 | 3 | 2 |

Wheat: Percent of sales by month, 2003-2008

| Month | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 |
|-----------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| July | 42 | 41 | 48 | 53 | 75 |
| August | 33 | 18 | 19 | 16 | 14 |
| September | 5 | 10 | 8 | 7 | 4 |
| October | 3 | 4 | 3 | 7 | 1 |
| November | 3 | 4 | 2 | 1 | 1 |
| December | 3 | 3 | 3 | 2 | 2 |
| January | 5 | 4 | 4 | 4 | 1 |
| February | 3 | 8 | 5 | 2 | 1 |
| March | 3 | 4 | 4 | 3 | |
| April | | 2 | 1 | 2 | 1 |
| May | | 1 | 2 | 1 | |
| June | | 1 | 1 | 2 | |

Crops: Marketing year average prices received by farmers, 2004-2008 ¹

| Marketing year | Corn per bushel | Winter wheat per bushel | Oats per bushel | Soybeans per bushel | Dry beans per cwt | Navy beans per cwt | Fall potatoes per cwt | All hay per ton | Alfalfa hay per ton |
|----------------|-----------------|-------------------------|-----------------|---------------------|-------------------|--------------------|-----------------------|-----------------|---------------------|
| | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| 2004 | 1.97 | 3.01 | 1.72 | 5.72 | 22.50 | NA | 6.95 | 94.50 | 97.50 |
| 2005 | 1.88 | 3.13 | 1.89 | 5.73 | 19.60 | NA | 7.95 | 90.00 | 92.00 |
| 2006 | 3.10 | 3.41 | 1.93 | 6.27 | 21.10 | NA | 8.35 | 94.00 | 97.00 |
| 2007 | 4.37 | 5.01 | 2.91 | 9.69 | 31.90 | NA | 8.45 | 124.00 | 127.00 |
| 2008 | 3.60 | 5.65 | 3.30 | 9.20 | 38.00 | NA | 10.50 | 153.00 | 156.00 |

¹ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments.

Crops: Monthly prices received by farmers, 2007-2008 marketing years

| 2007-2008 Marketing years | Corn per bushel | Winter wheat per bushel | Oats per bushel | Soybeans per bushel | Dry beans per cwt | Navy beans per cwt | Fall potatoes per cwt | All hay per ton | Alfalfa hay per ton |
|---------------------------|-----------------|-------------------------|-----------------|---------------------|-------------------|--------------------|-----------------------|-----------------|---------------------|
| | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| 2007 | | | | | | | | | |
| June | | | | | | | | 97.00 | 100.00 |
| July | | 4.74 | 2.51 | | | | 9.30 | 100.00 | 105.00 |
| August | | 5.44 | 2.47 | | | | 6.70 | 108.00 | 110.00 |
| September | | 6.08 | 2.81 | 8.07 | 26.00 | 22.90 | 6.45 | 115.00 | 120.00 |
| October | 3.19 | 6.60 | 2.86 | 8.24 | 28.20 | 27.60 | 6.45 | 123.00 | 130.00 |
| November | 3.37 | 6.42 | 3.45 | 8.99 | 30.80 | 29.70 | 8.15 | 135.00 | 140.00 |
| December | 3.81 | 6.66 | 3.13 | 9.18 | 33.50 | 29.30 | 8.40 | 137.00 | 140.00 |
| 2008 | | | | | | | | | |
| January | 4.07 | 5.78 | 3.53 | 10.00 | 30.80 | 29.80 | 8.80 | 142.00 | 145.00 |
| February | 4.67 | 7.71 | 3.67 | 10.90 | 37.20 | 33.40 | 9.40 | 143.00 | 145.00 |
| March | 4.81 | 7.39 | 4.19 | 11.00 | 40.00 | 36.00 | 9.90 | 148.00 | 150.00 |
| April | 5.10 | 5.57 | 3.98 | 11.40 | 42.10 | 41.00 | 10.50 | 160.00 | 165.00 |
| May | 5.45 | 5.18 | 4.20 | 12.00 | 41.60 | 39.00 | 10.80 | 151.00 | 155.00 |
| June | 5.88 | 6.25 | 4.01 | 13.10 | 43.00 | 38.40 | (¹) | | |
| July | 5.47 | | | 13.90 | 42.50 | 44.50 | | | |
| August | 5.07 | | | 12.40 | 37.50 | 37.80 | | | |
| September | 5.02 | | | | | | | | |
| 2008 | | | | | | | | | |
| June | | | | | | | | 158.00 | 160.00 |
| July | | 5.90 | 3.93 | | | | (¹) | 152.00 | 155.00 |
| August | | 6.05 | 3.52 | | | | 10.40 | 153.00 | 155.00 |
| September | | 5.50 | 3.28 | 10.20 | 39.40 | 38.50 | 9.20 | 141.00 | 145.00 |
| October | 4.16 | 4.47 | 3.39 | 9.82 | 37.90 | 37.10 | 10.30 | 152.00 | 155.00 |
| November | 4.04 | 4.74 | 3.45 | 9.02 | 36.00 | 34.20 | 10.10 | 156.00 | 160.00 |
| December | 3.95 | 4.34 | 2.91 | 9.06 | 30.90 | 29.10 | 10.30 | 162.00 | 165.00 |
| 2009 | | | | | | | | | |
| January | 4.02 | 4.98 | 4.19 | 9.51 | 34.40 | 33.80 | 10.20 | 156.00 | 160.00 |
| February | 3.67 | 4.36 | 3.54 | 9.63 | 31.30 | 25.20 | 10.20 | 152.00 | 155.00 |
| March | 3.67 | 4.62 | 2.61 | 9.09 | 30.80 | 24.10 | 10.00 | 147.00 | 150.00 |
| April | 3.76 | 4.48 | 3.04 | 9.89 | 33.90 | 24.50 | 11.40 | 148.00 | 150.00 |
| May | 3.87 | 4.80 | 2.69 | 10.80 | 34.10 | 24.70 | 11.80 | 162.00 | 165.00 |
| June | 4.01 | 4.69 | 3.14 | 11.60 | 31.70 | 27.80 | (¹) | | |
| July | 3.47 | | | 11.00 | 29.00 | 25.80 | | | |
| August | | | | | | | | | |
| September | | | | | | | | | |

¹ Insufficient sales to establish a price.

Prices paid by farmers, 2005-2009 ¹

| Item | Unit | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|--------|----------------|----------------|------------------|------------------|------------------|
| | | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> |
| Dairy feed, 16% protein ² | Ton | 188 | 216 | 241 | 310 | 295 |
| Hog concentrate, 38-42% protein ² | Ton | 332 | 342 | 366 | 493 | 473 |
| Soybean meal, 44% protein ² | Cwt | 11.9 | 13.1 | 14.4 | 22.1 | 20.1 |
| Gasoline, unleaded, bulk ² | Gallon | 2.21 | 2.59 | 2.618 | 3.267 | 1.985 |
| Diesel fuel ² | Gallon | 1.97 | 2.29 | 2.47 | 3.613 | 1.688 |
| Tractor, 110-129 hp ³ | Each | 68,500 | 70,900 | 74,000 | 76,100 | 77,700 |
| Tractor, 200-280 hp, 4-wd ³ | Each | 142,000 | 150,000 | 154,000 | 176,000 | 195,000 |
| Planter, row crop, 8-row ³ | Each | 31,400 | 34,100 | 33,500 | 38,000 | 40,200 |
| Grain drill, press, 23-25 openers ³ | Each | 25,200 | 25,200 | 26,100 | 26,900 | 32,400 |
| Combine, self-prop. w/ grain head, large cap. ³ | Each | 192,000 | 201,000 | 213,000 | 230,000 | 253,000 |
| Ammonium nitrate ⁴ | Ton | 269 | 427 | 364 | 504 | 406 |
| Muriate of potash 60-62% K ₂ O ⁴ | Ton | 242 | 271 | 277 | 562 | 848 |
| Superphosphate, 44-46% P ₂ O ₅ ⁴ | Ton | 295 | 315 | 409 | 779 | 555 |
| Anhydrous ammonia ⁴ | Ton | 429 | 543 | 536 | 769 | 787 |
| Atrazine, 4#/gallon ³ | Gallon | 12.4 | 12.1 | 12.2 | 15.3 | 20.8 |
| Roundup, 4#/gallon EC ³ | Gallon | 33.8 | 29.3 | 28.9 | 40.5 | 42.8 |
| Harness, Surpass, 6.4-7#/gallon EC ³ | Gallon | 67.6 | 68.9 | 69.2 | 71.7 | 75.5 |
| Dual, 8#/gallon EC ³ | Gallon | 108 | 107 | (⁵) | (⁵) | (⁵) |
| Captan, 50% WP ³ | Pound | 3.65 | 3.87 | 4.59 | 5.51 | 6.43 |
| Ziram, 76% WP ³ | Pound | 2.86 | 2.88 | 3.08 | 3.35 | 3.94 |
| Guthion, 50% WP ³ | Pound | 10.8 | 11.4 | 11.7 | 11.6 | 13.5 |
| Imidan, Prostate, 50% WP ³ | Pound | 8.32 | 8.44 | 9.05 | 8.92 | 10.2 |

EC=Emulsifiable concentrate. WP=Wettable powder.

¹ Regional and U.S. data only.

² Lake States region: Michigan, Minnesota, and Wisconsin.

³ United States.

⁴ North Central region: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin.

⁵ Discontinued in 2007.

Farm production expenses, 2004-2008

| Item | 2004 | 2005 | 2006 | 2007 | 2008 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| | <i>Million dollars</i> | <i>Million dollars</i> | <i>Million dollars</i> | <i>Million dollars</i> | <i>Million dollars</i> |
| Feed purchased | 439.4 | 421.3 | 512.4 | 727.3 | 696.8 |
| Livestock and poultry purchased | 53.2 | 65.9 | 70.1 | 73.4 | 76.6 |
| Seed purchased | 289.5 | 307.1 | 292 | 346.4 | 461.9 |
| Fertilizers and lime | 286.9 | 298.1 | 302.3 | 448 | 607.3 |
| Pesticides | 215.8 | 195.8 | 199.7 | 241.5 | 279.4 |
| Petroleum fuel and oils | 170.8 | 216.9 | 242.7 | 297.5 | 357.1 |
| Electricity | 67.5 | 58.1 | 60.1 | 75.8 | 77.9 |
| Repair and maintenance of capital items | 279.5 | 258.2 | 278.1 | 316.3 | 349.9 |
| Machine hire and custom work | 55.8 | 75.2 | 64 | 88.3 | 86.3 |
| Contract and hired labor expenses | 596 | 511.9 | 536.1 | 776 | 696.1 |
| Marketing, storage, and transportation expenses | 123.8 | 146.5 | 131.8 | 164.4 | 160.5 |
| Capital consumption | 675.5 | 719.9 | 758.6 | 784.4 | 829.4 |
| Real estate and nonreal estate interest | 189.8 | 223.6 | 255 | 269.3 | 256.8 |
| Property taxes | 204.3 | 222.4 | 255.1 | 245.6 | 246.4 |
| Net rent received by nonoperator landlords | 4.4 | 59.8 | 79.8 | 33.6 | 47.6 |
| Miscellaneous expenses | 475.6 | 457.1 | 428.7 | 638.1 | 571.1 |
| Total production expenses | 4,127.9 | 4,237.7 | 4,466.5 | 5,525.7 | 5,801.2 |

Farm Labor

Hired farm workers: Annual average wage rates, 2004-2008

| Year | All hired workers | Field workers | Field and livestock workers |
|-------------------|-------------------------|-------------------------|-----------------------------|
| | <i>Dollars per hour</i> | <i>Dollars per hour</i> | <i>Dollars per hour</i> |
| 2004 | 9.40 | 8.32 | 8.65 |
| 2005 | 9.79 | 8.57 | 8.89 |
| 2006 | 9.95 | 9.20 | 9.22 |
| 2007 ¹ | 10.87 | 10.12 | 10.01 |
| 2008 | 10.91 | 9.91 | 10.20 |

¹ The January 2007 Farm Labor survey was not conducted due to budget constraints. Modeling of historical data and time-series analysis were used to generate estimates for the Lake States region (Michigan, Minnesota, and Wisconsin).

Agricultural Exports

Michigan ranked twenty-first in agricultural exports for fiscal year 2008. The table below shows the value of agricultural exports by commodity group. The data are calculated annually by commodity based on each State's share of the U.S. agricultural

production. The top five commodity groups accounted for approximately 82 percent of the State's agricultural exports. The total value of agricultural exports produced in Michigan in 2008 was estimated at \$1.7 billion.

Michigan agricultural exports: Fiscal year 2008^{1 2}

| Commodity | Value | Percent of total | Rank in U.S. |
|--|------------------------|------------------|---------------|
| | <i>Million dollars</i> | <i>Percent</i> | <i>Number</i> |
| Soybeans and products | 456.8 | 27.1 | 13 |
| Feed grains and products | 393.9 | 23.4 | 13 |
| Other ³ | 245.3 | 14.6 | 11 |
| Fruits and preparations | 145.4 | 8.6 | 6 |
| Vegetables and preparations | 143.7 | 8.5 | 7 |
| Wheat and products | 88.6 | 5.3 | 34 |
| Live animals and meat, excluding poultry | 84.6 | 5.0 | 19 |
| Hides and skins | 40.7 | 2.4 | 13 |
| Feeds and fodders | 36.8 | 2.2 | 26 |
| Fats, oils, and greases | 18.2 | 1.1 | 12 |
| Seeds | 18.1 | 1.1 | 17 |
| Poultry and products | 12.0 | 0.7 | 27 |
| Total | 1,684.2 | | 21 |

¹ Source: U.S. Department of Agriculture, Economic Research Service, www.ers.usda.gov/data/fatus.

² Based on location of farm where commodity is produced.

³ Sugar and tropical product, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, wine, and miscellaneous vegetable products.

Michigan agricultural exports: Top 10 destinations, 2007-2008^{1 2}

| Country | 2007 | 2008 |
|----------------|-------------------------|-------------------------|
| | <i>Thousand dollars</i> | <i>Thousand dollars</i> |
| Canada | 207,536 | 295,845 |
| Mexico | 26,106 | 32,527 |
| Japan | 6,978 | 15,613 |
| Austria | 10,272 | 11,667 |
| Italy | 3,526 | 9,521 |
| United Kingdom | 5,381 | 6,259 |
| Netherlands | 60 | 2,982 |
| Romania | 0 | 2,866 |
| Germany | 848 | 2,728 |
| France | 426 | 1,722 |

¹ Source: U.S. Department of Commerce, International Trade Administration, www.ita.doc.gov.

² Based on location of exporting firm.

Field Crops

Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

Weatherwise, the 2008 growing season in Michigan will likely be remembered most for cool temperatures early and for extended dryness during the second half of the season. Prior to the growing season, Michigan had a very snowy winter season with much above normal snowfall totals in many areas. The above normal off season precipitation resulted in complete soil moisture recharge and abnormally wet soils across most of the State prior to the beginning of the season. One notable exception occurred in far northern sections of the state where below normal precipitation totals left soil moisture at below normal levels.

Weather during spring planting in April and May was generally cooler and drier than normal. While the drier than normal conditions generally allowed fieldwork to progress, the cool temperatures slowed germination and early establishment of crops. Widespread frost and freezing temperatures occurred on May 28, with sub-freezing minimum temperatures recorded across the majority of the State. This event was approximately 1 to 3 weeks later than the normal last freezing temperatures of the season and set new record lows for the date in some areas. The freeze was a radiation-type freeze event in which minimum temperatures varied greatly over only short distances. As a result of the wide variability of minimum temperatures, a wide variety of cold injury was reported, with replanting of crops necessary in some areas.

Heavy rain fell in many sections of the state in early and mid-June, with localized flooding and ponding in some cases. Frequent showers were a significant problem with forage harvest. Severe thunderstorms moved across southern sections of the State on July 2, bringing more heavy rain, flooding, and some damaging hail. Warmer than normal temperatures in late June and early July accelerated development of crops following the cool start of the season.

A broad upper air ridge developed across the region by mid-July and persisted through much of August. While mean temperatures remained close to slightly below the long term normals, rainfall in most of the State was well below normal. The drier than normal conditions led to crop moisture stress and ultimately to declines in yield potential across southern, western, and northern sections of the State. The lack of water was likely accentuated by the relatively shallow rooting depths of many crops due to the early wet, cool conditions and was especially pronounced

on lighter, coarse-textured soils. One very notable exception to the drier than normal pattern was an eastern area of the State from the Saginaw Valley through the Thumb, where precipitation was close to normal and in some cases even above normal.

The abnormally dry pattern was broken abruptly in most sections of the State in early September with the passage of the remnants of three separate hurricanes or tropical storms. While hurricanes and their remnants typically move poleward from tropical and subtropical origins at some point in their lifetime, it is somewhat unusual for them to impact Michigan and the Great Lakes region. The first was the remnants of Hurricane Gustav, which initially made landfall in Louisiana and moved through Michigan on September 3 and 4. This system brought over 4 inches of rain to western sections of the Lower Peninsula. Because the rain with this system fell in a steady, moderate intensity over a several hour period, the vast majority of the precipitation soaked into the soil profile. On September 12 to 14, Michigan was impacted by two more tropical systems, the remnants of Tropical Storm Lowell on September 12 and of Hurricane Ike on September 14. Collectively, more than 10 inches of rain fell at some locations across the southwestern Lower Peninsula, leading to flooding and water-logged soils. Unfortunately, the rainfall was generally too late to be of major benefit to crops stressed by earlier dryness.

Overall for the 5-month May through September period, precipitation totals ranged from much below normal levels across northern sections of the State to much above normal levels across southern sections of the Lower Peninsula. Mean temperatures and seasonal growing degree day accumulations were generally near to below the climatological normals. Many crops lagged somewhat behind normal phenologically as a result. Fortunately, the first killing freeze of the fall season was also later than normal over most areas of the state, allowing an extended maturation and drydown period. The exception was the northeastern section of the State where freezing temperatures occurred during the second week of September. While crop yields fell back to normal or below normal levels in many sections of the State due to the extended dryness in July and August, they were much above normal across east central sections of the State where precipitation during the middle of the growing season was much closer to normal.

Field crops: Acres harvested and value of production, 2004-2008

| Item | Unit | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------|---------------|-----------|-----------|-----------|-----------|-----------|
| Acres harvested | 1,000 acres | 6,372 | 6,481 | 6,441 | 6,459 | 6,454 |
| Value of production | 1,000 dollars | 1,644,811 | 1,684,860 | 2,281,287 | 2,790,551 | 2,844,588 |

Grain storage capacity, December 1, 2004-2008

| Year | Off farm | | On farm capacity Million bushels |
|------|------------|-----------------|-------------------------------------|
| | Facilities | Rated capacity | |
| | Number | Million bushels | |
| 2004 | 215 | 150 | 250 |
| 2005 | 215 | 148 | 250 |
| 2006 | 211 | 155 | 260 |
| 2007 | 210 | 160 | 270 |
| 2008 | 205 | 165 | 270 |

Field crops: Record highs and lows

| Crop | Unit | Record high | | Record low | | Year estimates started |
|------------------|-------------|-------------|-----------|------------|-----------|------------------------|
| | | Quantity | Year | Quantity | Year | |
| Barley | | | | | | |
| Harvested acres | 1,000 acres | 303 | 1932 | 10 | 2008 | 1866 |
| Yield per acre | Bushels | 68.0 | 1985 | 13.5 | 1933 | |
| Production | 1,000 bu | 8,400 | 1918 | 460 | 2008 | |
| Dry Edible beans | | | | | | |
| Harvested acres | 1,000 acres | 690 | 1930 | 130 | 2001 | 1909 |
| Yield per acre | Pounds | 2,100 | 1999 | 320 | 1917 | |
| Production | 1,000 cwt | 8,585 | 1963 | 780 | 2001 | |
| Corn for grain | | | | | | |
| Harvested acres | 1,000 acres | 2,800 | 1981 | 480 | 1866 | 1866 |
| Yield per acre | Bushels | 147.0 | 2006 | 21.5 | 1917 | |
| Production | 1,000 bu | 295,320 | 2008 | 15,120 | 1869 | |
| Corn for silage | | | | | | |
| Harvested acres | 1,000 acres | 498 | 1971 | 210 | 2003 | 1924 |
| Yield per acre | Tons | 18.0 | 2004 | 4.7 | 1930 | |
| Production | 1,000 tons | 5,565 | 1977 | 1,542 | 1930 | |
| Hay, alfalfa | | | | | | |
| Harvested acres | 1,000 acres | 1,444 | 1950 | 74 | 1919 | 1919 |
| Yield per acre | Tons | 4.2 | 1993 | 1.1 | 1934 | |
| Production | 1,000 tons | 5,040 | 1985,1986 | 118 | 1919 | |
| Hay, all | | | | | | |
| Harvested acres | 1,000 acres | 2,947 | 1924 | 780 | 1866 | 1866 |
| Yield per acre | Tons | 3.8 | 1993 | 0.6 | 1895 | |
| Production | 1,000 tons | 5,743 | 1986 | 1,014 | 1866 | |
| Oats | | | | | | |
| Harvested acres | 1,000 acres | 1,658 | 1918 | 55 | 2001,2007 | 1866 |
| Yield per acre | Bushels | 70.0 | 2003 | 18.5 | 1921 | |
| Production | 1,000 bu | 69,388 | 1946 | 3,080 | 2007 | |
| Potatoes | | | | | | |
| Harvested acres | 1,000 acres | 374.0 | 1895 | 36.4 | 1975 | 1866 |
| Yield per acre | Cwt | 350.0 | 2007,2008 | 26.0 | 1887,1916 | |
| Production | 1,000 cwt | 23,256 | 1904 | 3,557 | 1876 | |
| Soybeans | | | | | | |
| Harvested acres | 1,000 acres | 2,130 | 2001 | 1 | 1930 | 1924 |
| Yield per acre | Bushels | 46.0 | 2006 | 8.0 | 1927 | |
| Production | 1,000 bu | 91,540 | 2006 | 10 | 1930 | |
| Spearmint | | | | | | |
| Harvested acres | 1,000 acres | 8.7 | 1954 | 0.7 | 1935 | 1935 |
| Yield per acre | Pounds | 60.0 | 2006,2007 | 20.0 | 1965 | |
| Production | 1,000 lbs | 280 | 1948 | 27 | 1996 | |
| Sugarbeets | | | | | | |
| Harvested acres | 1,000 acres | 190 | 1999 | 48 | 1943,1953 | 1909 |
| Yield per acre | Tons | 28.7 | 2008 | 5.5 | 1916 | |
| Production | 1,000 tons | 3,903 | 2008 | 298 | 1943 | |
| Wheat, winter | | | | | | |
| Harvested acres | 1,000 acres | 1,515 | 1953 | 400 | 1987 | 1909 |
| Yield per acre | Bushels | 73.0 | 2006 | 10.5 | 1912 | |
| Production | 1,000 bu | 48,990 | 2008 | 7,350 | 1912 | |

Barley

Michigan barley growers planted 12,000 acres and harvested 10,000 acres in 2008. Total production was 460,000 bushels, down 31 percent from 2007. The average yield decreased by 5 bushels to 46 bushels per acre. Barley planting began in April but was behind the five-year average. Cool temperatures in the spring delayed

planting and early development; however, warm and dry conditions later in the growing season advanced crop progress to be in line with normal progress. Harvest began at the end July and was completed by the end of August.

Barley: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|----------------|----------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Bushels</i> | <i>1,000 bushels</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 14 | 12 | 51 | 612 | 1.80 | 1,102 |
| 2005 | 15 | 11 | 47 | 517 | 1.80 | 931 |
| 2006 | 15 | 14 | 49 | 686 | 1.80 | 1,235 |
| 2007 | 14 | 13 | 51 | 663 | 2.50 | 1,658 |
| 2008 | 12 | 10 | 46 | 460 | 3.25 | 1,495 |

¹ Marketing year average.

Corn

There were 2.40 million acres planted to corn in 2008, down 250,000 acres from 2007. Grain corn production was 295.3 million bushels, up 3 percent from 2007; 2.14 million acres were harvested for grain. The yield of 138 bushels per acre was up 15 bushels per acre from the 2007 crop. Farmers harvested 250,000 acres of corn for silage; the average yield was 16.5 tons per acre.

Planting of corn in Michigan began in earnest about April 20, slightly behind normal. Field conditions improved in early May; planting progressed rapidly and was virtually complete by June 1, slightly ahead of schedule. Emergence was also ahead of normal; by June 10 almost all corn plants were above ground. Some fields were flooded in west central Michigan, but damage was not extensive. Precipitation in other major corn areas in the spring was near normal. About three-fourths of the crop was rated good to excellent in mid-June. Crop development by August 1 was slightly ahead of normal. Precipitation in July, however, was .5 to 1.5 inches below normal in all districts except the East Central. As a result, over half of topsoil moisture was rated short or very short at the beginning of

August. The Michigan corn crop was about one week ahead of the average stage of development as of September 1. Rainfall in August was 1 to 2 inches below the normal 3 inches in all major corn areas except the East Central (Thumb). This substantially reduced potential yields. About 40 percent of the acreage was rated good or excellent at the outset of September. The harvest of corn for grain began the last week of September, slightly later than normal, and was about 5 percent done October 1. Approximately 70 percent of the acreage had reached maturity, close to the normal progress. The harvest was about half complete by November 1, slightly behind the 5-year average. Combining progressed at the normal rate and was about 95 percent complete by December 1. Yields varied widely. Dry conditions cut yields in parts of southern growing areas while superb yields were realized in the Thumb area.

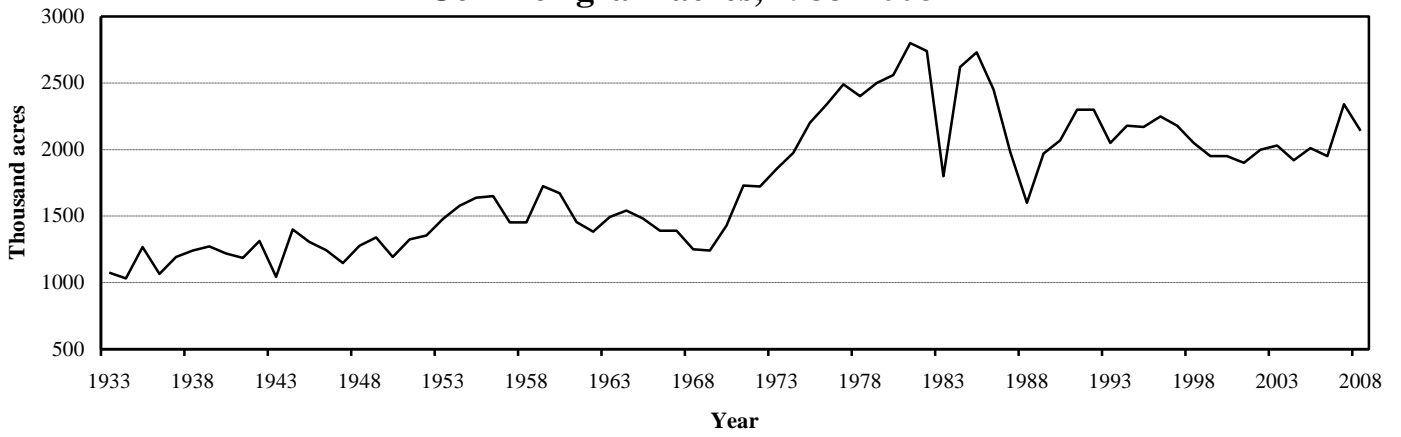
The 2008 corn crop was valued at \$1.06 billion, down 15 percent from 2007. Corn continued to be Michigan's number one crop in value of production. The top three counties in corn production in 2008 were Huron, Sanilac, and Saginaw.

Corn: Acres, yield, production, and value, 2004-2008

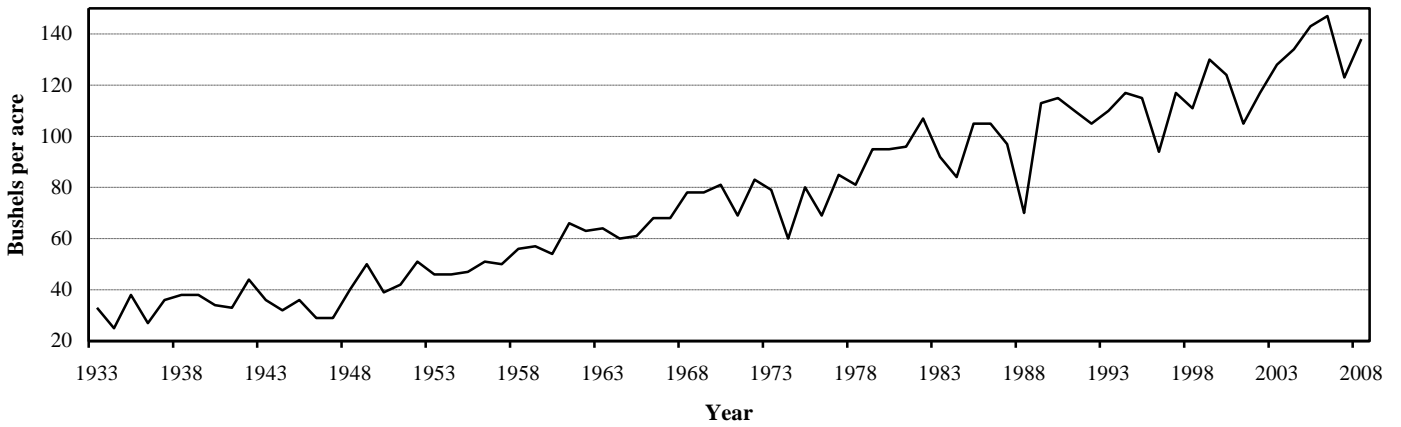
| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|--------|--------------------|--------------------|----------------|----------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Bushels</i> | <i>1,000 bushels</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| All | | | | | | |
| 2004 | 2,200 | | | | | |
| 2005 | 2,250 | | | | | |
| 2006 | 2,200 | | | | | |
| 2007 | 2,650 | | | | | |
| 2008 | 2,400 | | | | | |
| Grain | | | | | | |
| 2004 | | 1,920 | 134 | 257,280 | 1.97 | 506,842 |
| 2005 | | 2,010 | 143 | 287,430 | 1.88 | 540,368 |
| 2006 | | 1,950 | 147 | 286,650 | 3.10 | 888,615 |
| 2007 | | 2,340 | 123 | 287,820 | 4.37 | 1,257,773 |
| 2008 | | 2,140 | 138 | 295,320 | 3.60 | 1,063,152 |
| Silage | | | | | | |
| 2004 | | 265 | 18.0 | 4,770 | | |
| 2005 | | 230 | 17.5 | 4,025 | | |
| 2006 | | 240 | 16.5 | 3,960 | | |
| 2007 | | 295 | 14.5 | 4,278 | | |
| 2008 | | 250 | 16.5 | 4,125 | | |

¹ Marketing year average.

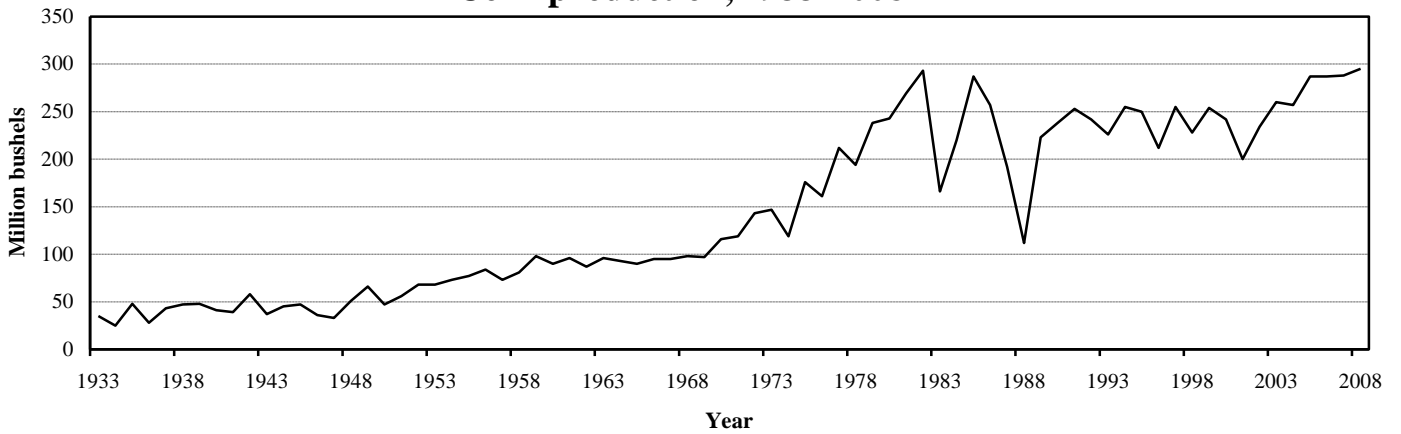
Corn for grain acres, 1933-2008



Corn yield, 1933-2008



Corn production, 1933-2008



Corn for grain: Stocks by quarter, 2004-2008

| Crop year | December 1 | | March 1 | | June 1 | | September 1 | |
|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | On farm | Off farm | On farm | Off farm | On farm | Off farm | On farm | Off farm |
| | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> |
| 2004 | 140,000 | 60,600 | 100,000 | 48,350 | 59,000 | 30,000 | 23,000 | 15,900 |
| 2005 | 165,000 | 71,900 | 110,000 | 56,500 | 65,000 | 39,000 | 31,000 | 15,000 |
| 2006 | 145,000 | 59,000 | 88,000 | 53,400 | 52,000 | 32,900 | 12,500 | 11,900 |
| 2007 | 140,000 | 64,500 | 87,000 | 53,100 | 43,000 | 46,200 | 14,000 | 18,900 |
| 2008 | 160,000 | 62,500 | 100,000 | 44,000 | 60,000 | 38,100 | | |

Corn: Percentage of acreage planted, 2004-2008

| Year | Month and day | | | | | | |
|----------------|---------------|------|------|------|------|------|--|
| | April | | May | | | June | |
| | 20 | 30 | 10 | 20 | 30 | 10 | |
| 2004 | 8 | 34 | 61 | 68 | 77 | 90 | |
| 2005 | 17 | 34 | 68 | 87 | 98 | 100 | |
| 2006 | 3 | 31 | 69 | 84 | 93 | 100 | |
| 2007 | 1 | 12 | 48 | 80 | 95 | 100 | |
| 2008 | 1 | 24 | 66 | 87 | 97 | 100 | |
| 5-year-average | 5.9 | 27.3 | 62.3 | 81.1 | 92.1 | 98.0 | |

Corn: Percentage of acreage silked, 2004-2008

| Year | Month and day | | | | | |
|----------------|---------------|-----|------|--------|------|------|
| | July | | | August | | |
| | 1 | 10 | 20 | 30 | 10 | 20 |
| 2004 | 0 | 1 | 27 | 61 | 74 | 86 |
| 2005 | 0 | 7 | 47 | 91 | 97 | 100 |
| 2006 | 0 | 6 | 44 | 84 | 95 | 100 |
| 2007 | 0 | 14 | 50 | 77 | 94 | 100 |
| 2008 | 0 | 1 | 24 | 73 | 95 | 100 |
| 5-year-average | 0.0 | 5.8 | 38.5 | 77.2 | 90.8 | 97.2 |

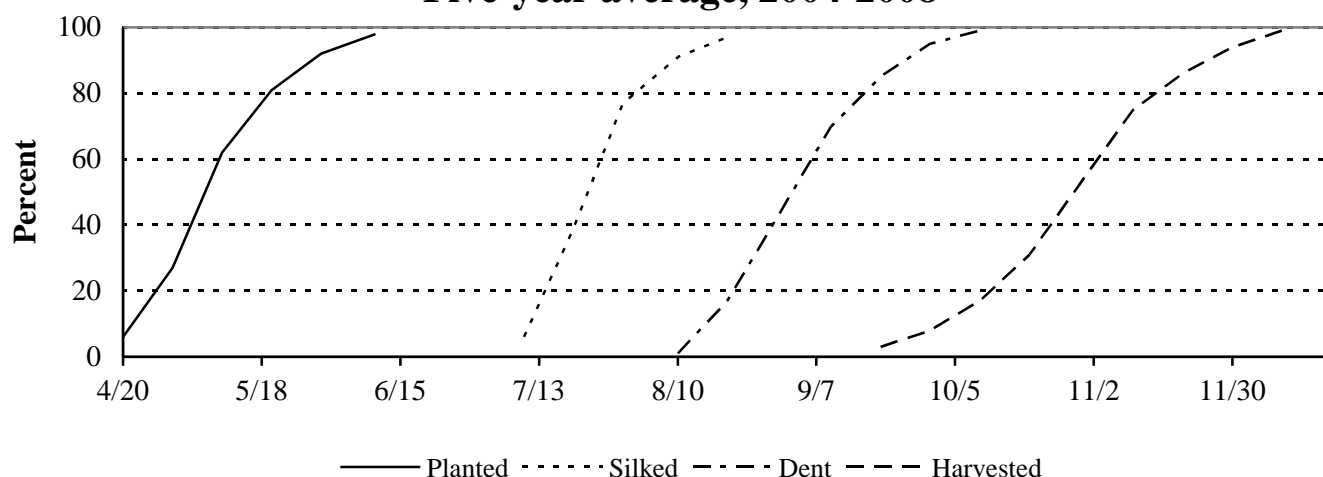
Corn: Percentage of acreage dent stage, 2004-2008

| Year | Month and day | | | | | | |
|----------------|---------------|------|------|-----------|------|------|---------|
| | August | | | September | | | October |
| | 10 | 20 | 30 | 10 | 20 | 30 | 10 |
| 2004 | 0 | 1 | 11 | 34 | 58 | 82 | 96 |
| 2005 | 0 | 20 | 55 | 84 | 97 | 99 | 100 |
| 2006 | 1 | 27 | 55 | 84 | 93 | 98 | 100 |
| 2007 | 2 | 22 | 45 | 77 | 92 | 100 | 100 |
| 2008 | 0 | 13 | 43 | 72 | 87 | 97 | 100 |
| 5-year-average | 0.6 | 16.8 | 41.9 | 70.3 | 85.3 | 95.3 | 99.2 |

Corn: Percentage of acreage harvested for grain, 2004-2008

| Year | Month and day | | | | | | | | | |
|----------------|---------------|-----|-----|---------|------|------|----------|------|------|----------|
| | September | | | October | | | November | | | December |
| | 10 | 20 | 30 | 10 | 20 | 30 | 10 | 20 | 30 | 10 |
| 2004 | 0 | 0 | 3 | 13 | 25 | 49 | 68 | 82 | 93 | 100 |
| 2005 | 2 | 7 | 14 | 28 | 48 | 75 | 91 | 96 | 99 | 100 |
| 2006 | 0 | 2 | 5 | 10 | 20 | 34 | 59 | 71 | 84 | 94 |
| 2007 | 0 | 4 | 12 | 23 | 35 | 57 | 81 | 92 | 99 | 100 |
| 2008 | 0 | 0 | 4 | 13 | 26 | 45 | 74 | 86 | 95 | 100 |
| 5-year-average | 0.5 | 2.6 | 7.8 | 17.3 | 30.8 | 51.8 | 74.6 | 85.5 | 93.9 | 98.5 |

Corn progress Five-year average, 2004-2008



Dry Edible Beans

Michigan dry bean planting progress in June was slow due to rain. Planting was mostly completed by the end of June with some replanting in early July. Excessive rains continued after emergence, causing abandonment of some fields and lower yield projections in others. Harvest began the first week of September for early planted fields. Harvest slowed during mid-to-late September due to rains, putting harvest behind schedule. More than half of the crop was

harvested in October, and was mostly completed by the end of the month.

Michigan's 2008 total dry bean production was 3.6 million hundredweight (cwt), which represented 14.1 percent of U.S. production. Michigan ranked second in dry bean production for 2008. The number one dry bean producer in the nation was North Dakota with 10.0 million cwt, down 1 percent from last year.

Dry edible beans: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|---------------|------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Pounds</i> | <i>1,000 cwt</i> | <i>Dol/cwt</i> | <i>1,000 dollars</i> |
| 2004 | 190 | 185 | 1,700 | 3,145 | 22.50 | 70,763 |
| 2005 | 235 | 230 | 1,700 | 3,910 | 19.60 | 76,636 |
| 2006 | 225 | 215 | 1,900 | 4,085 | 21.10 | 86,194 |
| 2007 | 200 | 195 | 1,600 | 3,120 | 31.90 | 99,528 |
| 2008 | 200 | 195 | 1,850 | 3,607 | 38.00 | 137,066 |

¹ Marketing year average.

Dry edible beans: Acres, yield, and production, by class, 2004-2008

| Class and Year | Planted | Harvested | Yield | Production |
|-------------------|--------------|--------------|---------------|------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>Pounds</i> | <i>1,000 cwt</i> |
| Black | 0 | 0 | 0 | 0 |
| 2004 | | | | |
| 2005 | 65,000 | 64,000 | 1,770 | 1,130 |
| 2006 | 91,600 | 86,600 | 1,930 | 1,670 |
| 2007 | 96,500 | 94,500 | 1,630 | 1,540 |
| 2008 | 91,000 | 89,000 | 1,900 | 1,691 |
| Cranberry | 91,000 | 89,000 | 1,900 | 1,691 |
| 2004 | | | | |
| 2005 | 10,500 | 9,500 | 1,470 | 140 |
| 2006 | 8,000 | 7,900 | 1,460 | 115 |
| 2007 | 6,900 | 6,800 | 1,290 | 88 |
| 2008 | 7,200 | 7,000 | 1,540 | 108 |
| Great Northern | 7,200 | 7,000 | 1,540 | 108 |
| 2004 | | | | |
| 2005 | 2,000 | 1,800 | 1,660 | 30 |
| 2006 | 500 | 500 | 2,000 | 10 |
| 2007 ¹ | 0 | 0 | 0 | 0 |
| 2008 ¹ | 0 | 0 | 0 | 0 |
| Navy | 0 | 0 | 0 | 0 |
| 2004 | | | | |
| 2005 | 75,500 | 74,500 | 1,760 | 1,310 |
| 2006 | 80,000 | 77,500 | 1,960 | 1,520 |
| 2007 | 61,000 | 59,500 | 1,660 | 990 |
| 2008 | 62,000 | 60,500 | 1,920 | 1,162 |
| Pinto | 62,000 | 60,500 | 1,920 | 1,162 |
| 2004 | | | | |
| 2005 | 18,000 | 17,500 | 1,600 | 280 |
| 2006 | 5,000 | 4,900 | 1,900 | 93 |
| 2007 | 4,000 | 3,900 | 1,490 | 58 |
| 2008 | 1,800 | 1,700 | 1,880 | 32 |
| Red kidney, dark | 1,800 | 1,700 | 1,880 | 32 |
| 2004 | | | | |
| 2005 | 8,000 | 7,700 | 1,430 | 110 |
| 2006 | 4,000 | 3,600 | 1,170 | 42 |
| 2007 | 2,300 | 2,000 | 900 | 18 |
| 2008 | 2,500 | 2,400 | 1,210 | 29 |
| Red kidney, light | 2,500 | 2,400 | 1,210 | 29 |
| 2004 | | | | |
| 2005 | 17,000 | 16,800 | 1,430 | 240 |
| 2006 | 11,300 | 10,300 | 1,700 | 175 |
| 2007 | 8,600 | 8,400 | 1,180 | 99 |
| 2008 | 9,500 | 9,300 | 1,260 | 117 |
| Small, red | 9,500 | 9,300 | 1,260 | 117 |
| 2004 | | | | |
| 2005 | 31,000 | 30,500 | 1,770 | 540 |
| 2006 | 20,000 | 19,500 | 2,000 | 390 |
| 2007 | 16,000 | 15,500 | 1,630 | 253 |
| 2008 | 22,400 | 21,800 | 1,950 | 425 |
| Other | 22,400 | 21,800 | 1,950 | 425 |
| 2004 | | | | |
| 2005 | 8,000 | 7,700 | 1,690 | 130 |
| 2006 | 4,600 | 4,200 | 1,670 | 70 |
| 2007 | 4,700 | 4,400 | 1,680 | 74 |
| 2008 | 3,600 | 3,300 | 1,300 | 43 |

¹ Included in Other class.

Hay and Haylage

Michigan hay production was estimated at 2.63 million tons, up from 2.43 in 2007. Alfalfa and alfalfa mixtures accounted for 85 percent of all dry hay produced. All hay harvested acres were estimated at 1.02 million, down from 1.05 million in 2007. The average all hay yield was 2.58 tons per acre, up from 2.31 the previous year. During the summer, dry conditions were good for harvest of alfalfa but poor for regrowth. Humidity made harvest difficult in some areas. Some areas had good cutting conditions with favorable weather but the light drought in other regions slowed

development. At the beginning of September, farmers stated that regrowth had been slow around the State and the third cutting was short. By the end of September, one-fourth of the hay crop had completed a fourth cutting while others doubted a fourth cutting was likely. Alfalfa accounted for 770,000 acres of the total harvested with a yield of 2.9 tons per acre. Other hay accounted for 250,000 acres with a yield of 1.6 tons per acre. Value of the hay crop was \$402 million, up 34 percent from 2007.

Hay, haylage, and greenchop: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|-------------------------------|--------------------|--------------------|-------------|-------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Tons</i> | <i>1,000 tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| All dry hay | | | | | | |
| 2004 | | 1,100 | 2.90 | 5,895 | 94.50 | 296,238 |
| 2005 | | 1,150 | 2.63 | 3,020 | 90.00 | 269,340 |
| 2006 | | 1,120 | 2.87 | 3,212 | 94.00 | 300,404 |
| 2007 | | 1,050 | 2.31 | 2,429 | 124.00 | 299,411 |
| 2008 | | 1,020 | 2.58 | 2,633 | 153.00 | 401,948 |
| Alfalfa hay | | | | | | |
| 2004 | | 850 | 3.10 | 2,635 | 97.50 | 256,913 |
| 2005 | | 900 | 2.80 | 2,520 | 92.00 | 231,840 |
| 2006 | | 810 | 3.20 | 2,592 | 97.00 | 251,424 |
| 2007 | | 770 | 2.50 | 1,925 | 127.00 | 244,475 |
| 2008 | | 770 | 2.90 | 2,233 | 156.00 | 348,348 |
| Alfalfa seedings | | | | | | |
| 2004 | 135 | | | | | |
| 2005 | 135 | | | | | |
| 2006 | 120 | | | | | |
| 2007 | 100 | | | | | |
| 2008 | 115 | | | | | |
| Other hay | | | | | | |
| 2004 | | 250 | 2.20 | 550 | 71.50 | 39,325 |
| 2005 | | 250 | 2.00 | 500 | 75.00 | 37,500 |
| 2006 | | 310 | 2.00 | 620 | 79.00 | 48,980 |
| 2007 | | 280 | 1.80 | 504 | 109.00 | 54,936 |
| 2008 | | 250 | 1.60 | 400 | 134.00 | 53,600 |
| All haylage and greenchop | | | | | | |
| 2004 | | 335 | 6.03 | 2,020 | 0.00 | 0 |
| 2005 | | 320 | 6.50 | 2,080 | 0.00 | 0 |
| 2006 | | 300 | 6.64 | 1,992 | 0.00 | 0 |
| 2007 | | 270 | 6.70 | 1,810 | 0.00 | 0 |
| 2008 | | 285 | 6.24 | 1,778 | 0.00 | 0 |
| Alfalfa haylage and greenchop | | | | | | |
| 2004 | | 310 | 6.20 | 1,922 | 0.00 | 0 |
| 2005 | | 300 | 6.70 | 2,010 | 0.00 | 0 |
| 2006 | | 280 | 6.90 | 1,932 | 0.00 | 0 |
| 2007 | | 250 | 7.00 | 1,750 | 0.00 | 0 |
| 2008 | | 270 | 6.40 | 1,728 | 0.00 | 0 |

¹ Marketing year average.

Hay: Stocks on farms, 2005-2009

| Year | May 1 | December 1 |
|------|-------------------|-------------------|
| | <i>1,000 tons</i> | <i>1,000 tons</i> |
| 2005 | 500 | 1,852 |
| 2006 | 395 | 2,385 |
| 2007 | 350 | 1,700 |
| 2008 | 320 | 1,998 |
| 2009 | 450 | (¹) |

¹ Published in January 2010.

Maple Syrup

Michigan maple syrup production was estimated at 115,000 gallons for the 2008 season. That was the highest since 1947 and 10 percent above 2007 production. Cool nights and warm days provided optimal tapping conditions. The length of the season was 25 days, compared to 23 days in 2007. Producers indicated that 56 percent of the syrup was medium in color. Michigan was ranked

fifth in maple syrup production in 2009 and produced 5 percent of the total U.S. production. Total taps were 450,000, and the syrup yield was 0.256 gallons per tap. The average price per gallon sold for 2008 production was \$41.00, and the value of production was \$4.305 million, up from \$2.704 million in 2007.

Maple syrup: Taps, yield, production, price, and value, 2005-2009

| Year | Taps | Yield per tap | Production | Price per gallon | Value of production |
|------|--------------|----------------|----------------------|------------------|----------------------|
| | <i>1,000</i> | <i>Gallons</i> | <i>1,000 gallons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2005 | 390 | 0.149 | 58 | 36.00 | 2,088 |
| 2006 | 375 | 0.208 | 78 | 37.00 | 2,886 |
| 2007 | 390 | 0.167 | 65 | 41.60 | 2,704 |
| 2008 | 405 | 0.259 | 105 | 41.00 | 4,305 |
| 2009 | 450 | 0.256 | 115 | (¹) | (¹) |

¹ Published in June 2010.

Mint

Mint: Acres, yield, production, and value, 2004-2008

| Year | Harvested | Yield | Production | Price per pound ¹ | Value of production |
|------------|--------------------|---------------|---------------------|------------------------------|----------------------|
| | <i>1,000 acres</i> | <i>Pounds</i> | <i>1,000 Pounds</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Peppermint | | | | | |
| 2004 | 1.0 | 45 | 45 | 10.90 | 491 |
| 2005 | 1.0 | 35 | 35 | 12.00 | 420 |
| 2006 | 0.7 | 50 | 35 | 13.50 | 473 |
| 2007 | 0.7 | 40 | 28 | 14.40 | 403 |
| 2008 | 0.8 | 45 | 36 | 28.00 | 1,008 |
| Spearmint | | | | | |
| 2004 | 1.6 | 45 | 72 | 9.30 | 670 |
| 2005 | 1.6 | 35 | 56 | 9.50 | 532 |
| 2006 | 1.6 | 60 | 96 | 10.00 | 960 |
| 2007 | 1.5 | 60 | 90 | 12.00 | 1,080 |
| 2008 | 1.5 | 60 | 90 | 15.00 | 1,350 |

¹ Marketing year average.

Oats

There was an increase in oat acreage for the State in 2008. Growers planted 75,000 acres of oats in 2008, compared with 70,000 the previous year. Harvested acres, at 60,000, were also up 5,000 from last year. The 2008 oat production was 3.96 million bushels, up 29 percent from the previous year. Yield, at 66 bushels per acre, was up 10 bushels from 2007.

Planting of oats progressed on schedule with some emergence by the middle of May. The crop looked good and developed well during the summer. Disease and insect pressure remained low, and

three fourths of the crop was headed by the end of June. Oats were turning color quickly with harvest just beginning in select areas by July 20. Harvest was in full swing at the beginning of August and was essentially completed by early September. For 2008, Presque Isle County was ranked first in oat production, while Sanilac, Shiawassee, Grand Traverse, Isabella, and Ogemaw rounded out the top five counties.

Oats: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|----------------|----------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Bushels</i> | <i>1,000 bushels</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 80 | 65 | 68 | 4,420 | 1.72 | 7,602 |
| 2005 | 90 | 75 | 61 | 4,575 | 1.89 | 8,647 |
| 2006 | 80 | 65 | 62 | 4,030 | 1.93 | 7,778 |
| 2007 | 70 | 55 | 56 | 3,080 | 2.91 | 8,963 |
| 2008 | 75 | 60 | 66 | 3,960 | 3.30 | 13,068 |

¹ Marketing year average.

Potatoes

Michigan's 2008 potato production was 14.88 million hundredweight (cwt) up slightly from 14.70 million in 2007. Planted acres were 43,000 and harvested acres were 42,500. The State's average yield tied the record high of 350 cwt per acre set in 2007. Potato planting conditions were good this year with planting mostly completed by June 8, 2008. The growing season was also good with little disease and insect pressures. Some potato fields matured earlier than normal and early potatoes appeared in farmer's markets in early July. Excessive rains in October meant some potatoes went

into storage with higher moisture levels than normal, but cooler temperatures during the early storage season reduced this impact. Harvest was mostly finished by early November.

For 2008, Michigan again ranked eighth among States for potato production. Most Michigan potatoes are whites, which comprised approximately 87 percent of planted acreage, followed by 11 percent russets, 1 percent reds, and 1 percent yellow. Whites are processed for potato chips or sold for table use, while russets are used for french fries and other frozen products.

Fall potatoes: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|------------|------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Cwt</i> | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 43.0 | 42.0 | 325 | 13,650 | 6.95 | 94,868 |
| 2005 | 43.0 | 42.8 | 325 | 13,910 | 7.95 | 110,585 |
| 2006 | 43.5 | 43.0 | 330 | 14,190 | 8.35 | 118,487 |
| 2007 | 42.5 | 42.0 | 350 | 14,700 | 8.45 | 124,215 |
| 2008 | 43.0 | 42.5 | 350 | 14,875 | 10.50 | 156,188 |

¹ Marketing year average.

Fall potatoes: Stocks by type as percent of total stocks, December 1, 2004-2008

| Type | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| White | 89 | 87 | 87 | 86 | 87 |
| Russet | 10 | 12 | 12 | 12 | 11 |
| Red | 1 | 1 | 1 | 1 | 1 |
| Yellow ¹ | 0 | 0 | 0 | 1 | 1 |

¹ Estimates began in 2007.

Fall potatoes: Production and disposition, 2004-2008

| Crop year | Production | Total used for seed | Farm Disposition | | Sold |
|-----------|------------------|---------------------|--------------------------|--------------------|------------------|
| | | | Seed, feed, and home use | Shrinkage and loss | |
| | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> |
| 2004 | 13,650 | 860 | 194 | 1,656 | 11,800 |
| 2005 | 13,910 | 1,044 | 182 | 1,728 | 12,000 |
| 2006 | 14,190 | 961 | 180 | 1,800 | 12,210 |
| 2007 | 14,700 | 1,046 | 185 | 1,815 | 12,700 |
| 2008 | 14,875 | ¹ 0 | ¹ 0 | ¹ 0 | ¹ 0 |

¹ Published in September 2009

Fall potatoes: Stocks, 2004-2008

| Crop year | December 1 | January 1 | February 1 | March 1 | April 1 | May 1 |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> | <i>1,000 cwt</i> |
| 2004 | 8,000 | 6,300 | 4,800 | 3,600 | 2,200 | 900 |
| 2005 | 7,900 | 6,200 | 4,500 | 3,100 | 1,700 | 500 |
| 2006 | 8,100 | 6,300 | 4,600 | 3,300 | 1,800 | 700 |
| 2007 | 8,800 | 7,000 | 5,300 | 3,700 | 2,100 | 800 |
| 2008 | 8,300 | 6,500 | 5,000 | 3,500 | 1,900 | 700 |

Soybeans

Michigan soybean production totaled 69.9 million bushels, down 2 percent from 2007. The yield was 37 bushels per acre in 2008, which was the lowest yield of the previous five years. Planted acres increased by 100,000 acres from last year. Harvested acres increased accordingly to 1.89 million. Soybean prices fell by 5 percent from 2007. A cool spring led to a slow start to the soybean planting season. A small amount of soybeans were planted in late April and early May. Planting hastened in May, and progressed faster than the five-year average. Emergence concluded around the middle of June, also ahead of the average. Plant condition and

development varied by region into July, while some fields remained damp. Into August, the crop was generally in need of rain and some yellowing was reported, but progress was still slightly ahead of the five-year average. Heavy rains passed through the State at the beginning of September causing localized flooding. Harvest began in middle to late September and continued at an average pace though the middle of October when ideal harvest conditions allowed for harvest to move along rapidly. Harvest wrapped up in early to middle November.

Soybeans: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|----------------|----------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Bushels</i> | <i>1,000 bushels</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 2,000 | 1,980 | 38.0 | 75,240 | 5.72 | 430,373 |
| 2005 | 2,000 | 1,990 | 38.5 | 76,615 | 5.73 | 439,004 |
| 2006 | 2,000 | 1,990 | 46.0 | 91,540 | 6.27 | 573,956 |
| 2007 | 1,800 | 1,790 | 40.0 | 71,600 | 9.69 | 693,804 |
| 2008 | 1,900 | 1,890 | 37.0 | 69,930 | 9.20 | 643,356 |

¹ Marketing year average.

Soybeans: Stocks by quarter, 2004-2008

| Crop year | December 1 | | March 1 | | June 1 | | September 1 | |
|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | On farm | Off farm | On farm | Off farm | On farm | Off farm | On farm | Off farm |
| | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> |
| 2004 | 35,000 | 21,960 | 22,000 | 10,890 | 7,600 | 6,530 | 2,500 | 2,460 |
| 2005 | 33,000 | 22,600 | 22,000 | 14,600 | 11,500 | 6,850 | 5,000 | 3,300 |
| 2006 | 38,000 | 22,700 | 26,000 | 18,500 | 12,000 | 12,150 | 3,100 | 7,800 |
| 2007 | 26,000 | 29,000 | 17,000 | 23,900 | 3,500 | 12,200 | 2,500 | 4,580 |
| 2008 | 28,000 | 24,200 | 15,500 | 14,100 | 5,100 | 8,650 | | |

Soybeans: Percentage of acreage planted, 2004-2008

| Year | Month and day | | | | | | | |
|----------------|---------------|------|------|------|------|------|------|-------|
| | May | | | June | | | July | |
| | 10 | 20 | 30 | 10 | 20 | 30 | 10 | |
| 2004 | | 24 | 35 | 45 | 72 | 87 | 97 | 100 |
| 2005 | | 34 | 69 | 90 | 98 | 100 | 100 | 100 |
| 2006 | | 37 | 56 | 73 | 90 | 99 | 100 | 100 |
| 2007 | | 14 | 36 | 76 | 96 | 100 | 100 | 100 |
| 2008 | | 29 | 59 | 87 | 96 | 100 | 100 | 100 |
| 5-year-average | | 27.6 | 50.9 | 74.1 | 90.5 | 97.1 | 99.4 | 100.0 |

Soybeans: Percentage of acreage setting pods, 2004-2008

| Year | Month and day | | | | | |
|----------------|---------------|------|------|--------|------|------|
| | July | | | August | | |
| | 10 | 20 | 30 | 10 | 20 | 30 |
| 2004 | 0 | 7 | 23 | 49 | 76 | 88 |
| 2005 | 3 | 22 | 55 | 83 | 97 | 100 |
| 2006 | 3 | 22 | 42 | 74 | 93 | 99 |
| 2007 | 4 | 22 | 48 | 75 | 97 | 100 |
| 2008 | 0 | 6 | 42 | 77 | 95 | 100 |
| 5-year-average | 1.9 | 15.7 | 42.0 | 66.1 | 88.8 | 96.6 |

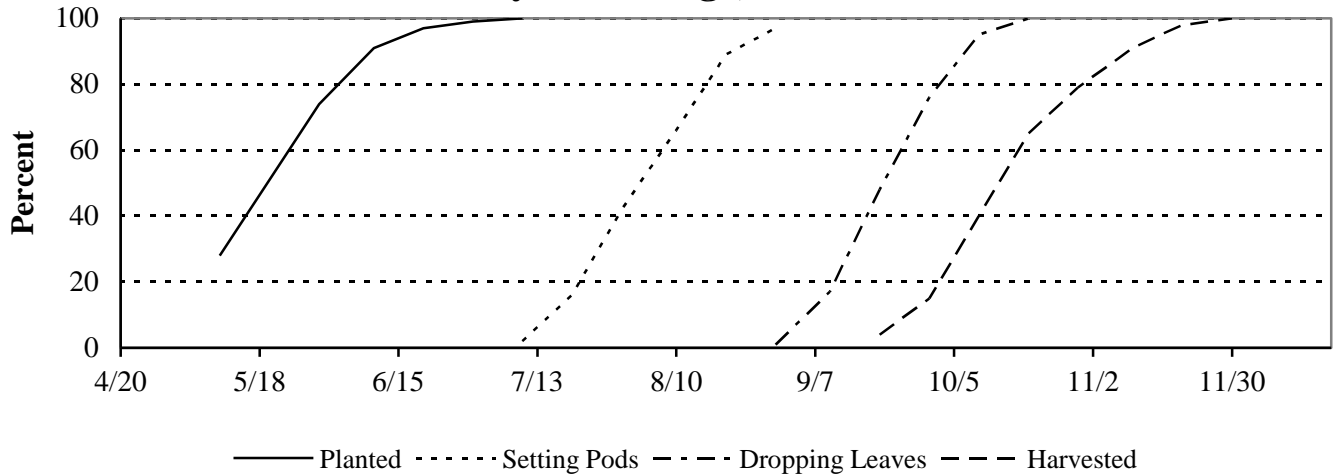
Soybeans: Percentage of acreage shedding leaves, 2004-2008

| Year | Month and day | | | | | | | |
|----------------|---------------|-----|-----------|------|------|---------|------|--|
| | August | | September | | | October | | |
| | 20 | 30 | 10 | 20 | 30 | 10 | 20 | |
| 2004 | 0 | 0 | 4 | 18 | 52 | 91 | 96 | |
| 2005 | 0 | 3 | 37 | 82 | 95 | 100 | 100 | |
| 2006 | 0 | 1 | 15 | 44 | 75 | 90 | 99 | |
| 2007 | 0 | 1 | 10 | 42 | 76 | 98 | 100 | |
| 2008 | 0 | 2 | 18 | 54 | 84 | 96 | 100 | |
| 5-year-average | 0.0 | 1.3 | 16.9 | 48.0 | 76.3 | 95.0 | 99.9 | |

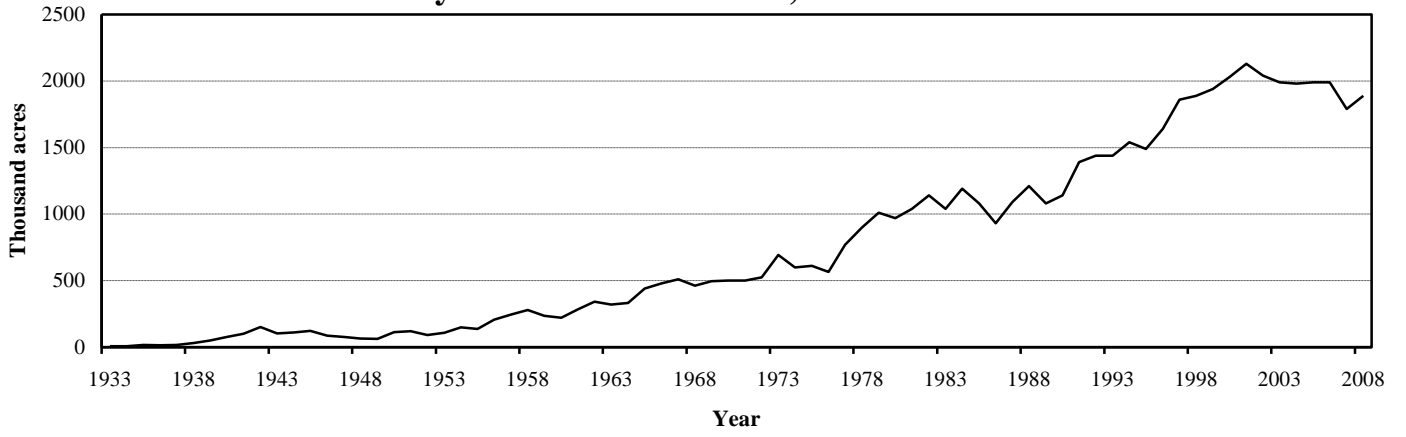
Soybeans: Percentage of acreage harvested, 2004-2008

| Year | Month and day | | | | | | | | |
|----------------|---------------|-----|------|---------|------|------|----------|------|------|
| | September | | | October | | | November | | |
| | 10 | 20 | 30 | 10 | 20 | 30 | 10 | 20 | 30 |
| 2004 | 0 | 1 | 11 | 40 | 58 | 69 | 81 | 96 | 100 |
| 2005 | 0 | 11 | 33 | 69 | 87 | 93 | 99 | 100 | 100 |
| 2006 | 0 | 4 | 7 | 23 | 42 | 60 | 84 | 93 | 98 |
| 2007 | 0 | 1 | 10 | 33 | 60 | 81 | 96 | 100 | 100 |
| 2008 | 0 | 2 | 12 | 36 | 76 | 91 | 97 | 100 | 100 |
| 5-year-average | 0.0 | 3.7 | 14.5 | 40.3 | 64.5 | 78.9 | 91.4 | 97.6 | 99.7 |

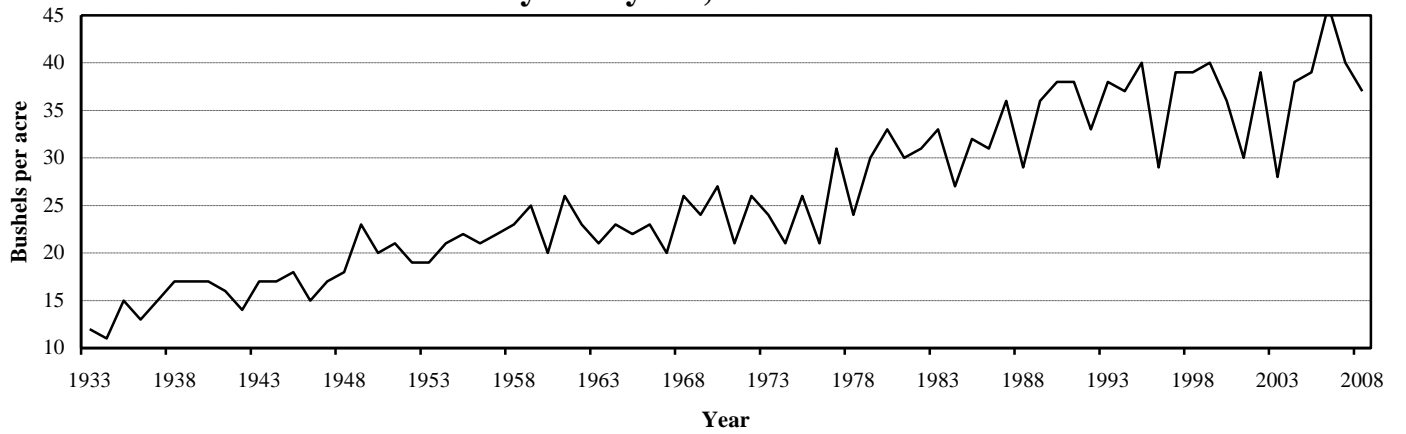
**Soybean progress
Five-year average, 2004-2008**



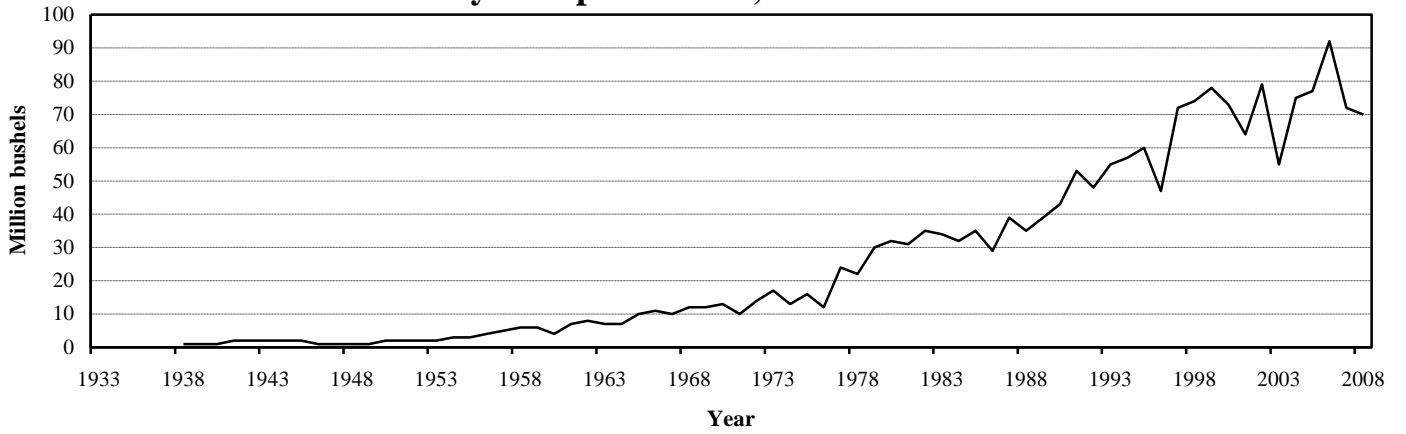
Soybean harvested acres, 1933-2008



Soybean yield, 1933-2008



Soybean production, 1933-2008



Sugarbeets

Acres planted to sugarbeets were estimated at 137,000 in 2008, down 13,000 acres from the previous year. Harvested acreage was estimated at 136,000, down from 149,000 in 2007. The yield set a new record with 28.7 tons per acre. The previous record high was 23.4 set in 2007. Even though harvested acres were down, the record yield helped increase production to a total of 3.90 million tons, up 12 percent from 2007. Planting was complete by mid-May.

The sugarbeet crop development was good with little disease and weed pressure. Precipitation levels were ideal for the sugarbeet crop during the critical growing periods, leading to the record yield. Harvest started out slow due to rains, but proceeded to near normal by the end of the season. Piling began towards the end of October and harvest was finished by mid November.

Sugarbeets: Acres, yield, production, and value, 2004-2008

| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|-------------|-------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Tons</i> | <i>1,000 tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 165 | 163 | 21.1 | 3,439 | 26.40 | 90,790 |
| 2005 | 154 | 152 | 21.3 | 3,238 | 34.40 | 111,387 |
| 2006 | 155 | 154 | 23.2 | 3,573 | 38.00 | 135,774 |
| 2007 | 150 | 149 | 23.4 | 3,487 | 36.00 | 125,532 |
| 2008 | 137 | 136 | 28.7 | 3,903 | (²) | (²) |

¹ Marketing year average.

² Published in February 2010.

Wheat

Michigan's 2008 winter wheat crop set a new record high at 48.99 million bushels. Planted acres increased to 730,000 acres from 550,000 the previous year. Harvested acreage was up 34 percent from last year, at 710,000 acres. The average yield, at 69 bushels per acre, was up 6 percent from last year. The value of the crop increased 60 percent to \$277 million. Huron, Sanilac, Lenawee, Tuscola, and Saginaw were the top five counties in wheat production.

Plantings of winter wheat began the second week of September. Varying weather conditions early in the growing season slightly impeded the progress of the crop, which consistently remained behind the five-year average. However, crop progress

improved beginning in June and was comparable to the five-year average. There were a few reports of head scab, fusarium head blight and powdery mildew throughout the growing season. Overall, the crop was of good to excellent quality. By the middle of June, heading and flowering were nearly completed in many areas. The crop turned yellow by the middle of July, on par with normal.

Harvest began in the middle of July and was completed by the second week of August. Warm temperatures and low moisture levels were conducive for harvesting the crop.

Wheat: Acres, yield, production, and value, 2004-2008

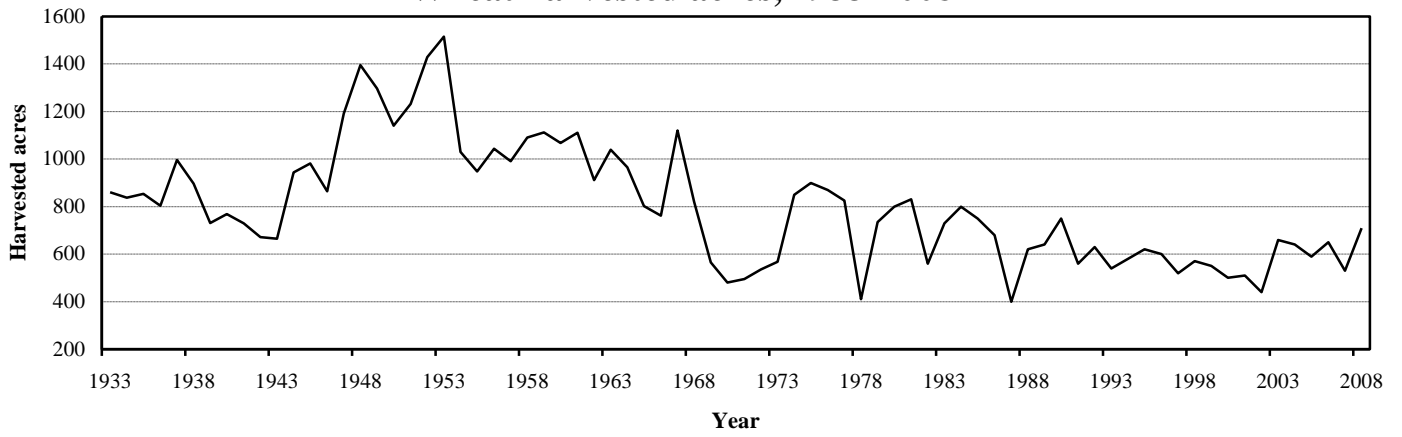
| Year | Planted | Harvested | Yield | Production | Price ¹ | Value of production |
|------|--------------------|--------------------|----------------|----------------------|--------------------|----------------------|
| | <i>1,000 acres</i> | <i>1,000 acres</i> | <i>Bushels</i> | <i>1,000 bushels</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 660 | 640 | 64 | 40,960 | 3.01 | 123,290 |
| 2005 | 600 | 590 | 66 | 38,940 | 3.13 | 121,882 |
| 2006 | 660 | 650 | 73 | 47,450 | 3.41 | 161,805 |
| 2007 | 550 | 530 | 65 | 34,450 | 5.01 | 172,595 |
| 2008 | 730 | 710 | 69 | 48,990 | 5.65 | 276,794 |

¹ Marketing year average.

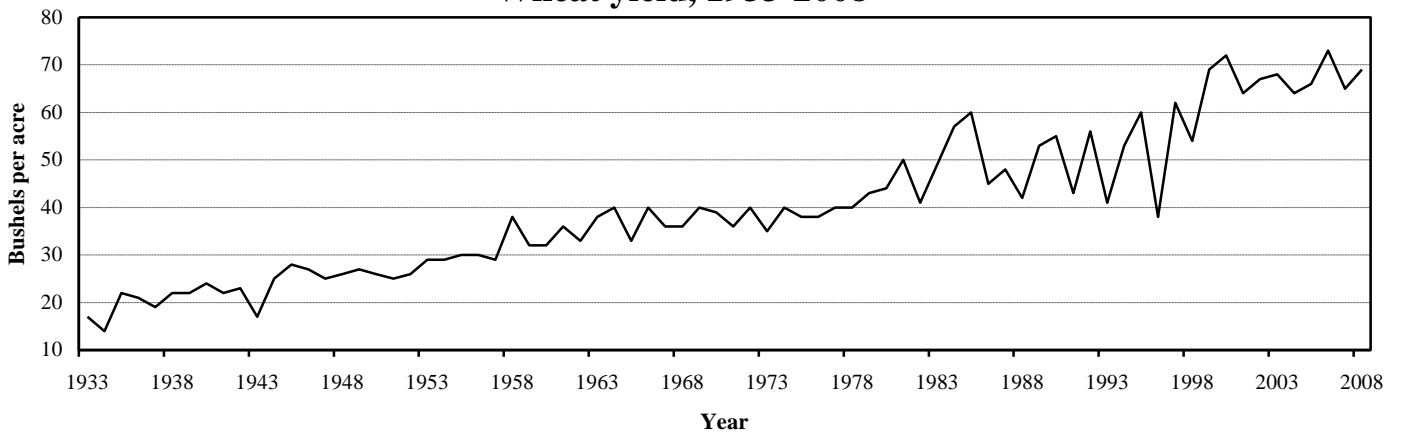
Wheat: Stocks by quarter, 2004-2008

| Crop year | September 1 | | December 1 | | March 1 | | June 1 | |
|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | On farm | Off farm | On farm | Off farm | On farm | Off farm | On farm | Off farm |
| | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> | <i>1,000 bushels</i> |
| 2004 | 7,800 | 28,430 | 3,500 | 24,350 | 2,900 | 19,160 | 800 | 14,770 |
| 2005 | 6,900 | 28,450 | 3,600 | 23,700 | 1,300 | 17,800 | 600 | 10,550 |
| 2006 | 7,500 | 33,200 | 3,800 | 25,975 | 1,400 | 18,400 | 300 | 12,250 |
| 2007 | 2,600 | 30,400 | 2,400 | 21,600 | 300 | 14,230 | 70 | 7,670 |
| 2008 | 6,200 | 30,350 | 2,600 | 26,800 | 1,900 | 21,600 | 850 | 16,700 |

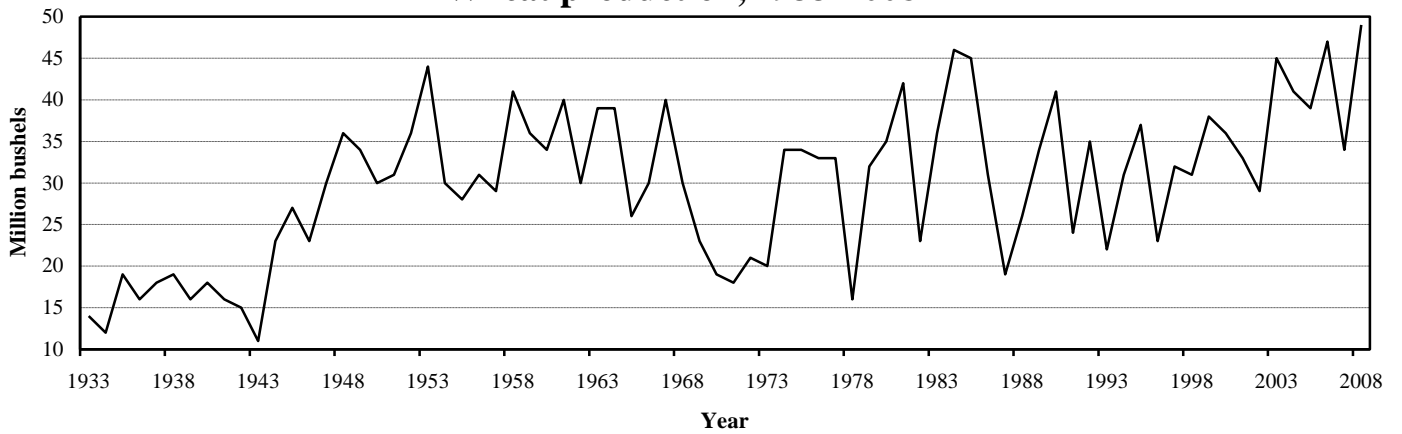
Wheat harvested acres, 1933-2008



Wheat yield, 1933-2008



Wheat production, 1933-2008



Fruit

Michigan apple production was 560 million pounds, down from 770 million pounds in 2007. The farm level value of the utilized crop was \$121.0 million. Michigan ranked third in U.S. apple production behind Washington and New York, which produced 6.10 billion pounds and 1.23 billion pounds, respectively.

Tart cherry production was 165 million pounds, down 16 percent from the 196 million pounds produced in 2007. The average yield was 6,370 pounds per acre. The farm level value was \$64.8 million. Sweet cherry production was 26,500 tons, down from 27,300 tons produced in 2007. The average yield was 3.68 tons per acre. The farm level value was \$15.2 million.

Cultivated blueberry production in Michigan was 110 million pounds, approximately 32 percent of the U.S. total. Growers harvested 18,600 acres in 2008. The farm level value was \$124

million. Strawberry production in Michigan was 4.9 million pounds on 800 harvested acres. The farm level value was \$5.8 million.

Michigan peach production was 28.0 million pounds, down from 41 million pounds in 2007. Total bearing acres were 4,300, and the farm level value was \$9.1 million. Pear production in Michigan was 2,850 tons on 800 acres. The farm level value was \$1.2 million. Michigan plum production was 2,300 tons on 650 acres. The farm level value was \$821,000.

Michigan grape production was 73,700 tons. The farm level value was \$26.8 million. There were 45,800 tons of Concord and 22,000 tons of Niagara grapes processed. There were 2,700 tons of vinifera, 2,100 tons of hybrids, and 500 tons of other varieties processed for wine. Prices for vinifera varieties averaged \$1,380 per ton, hybrids \$610 per ton, and other varieties \$240 per ton.

Fruit: Record highs and lows

| Crop | Unit | Record high | | Record low | | Year estimates started |
|-----------------|----------------|-------------|-----------|------------|------|------------------------|
| | | Quantity | Year | Quantity | Year | |
| Apples | Million pounds | 1,220 | 1995 | 53 | 1945 | 1889 |
| Blueberries | Million pounds | 110 | 2008 | 12 | 1977 | 1992 |
| Cherries, sweet | Tons | 37,500 | 1978 | 500 | 1945 | 1925 |
| Cherries, tart | Million pounds | 380 | 1964 | 15 | 2002 | 1925 |
| Grapes | Tons | 102,700 | 2005 | 4,200 | 1889 | 1889 |
| Peaches | Million pounds | 255 | 1945,1946 | 7.4 | 1918 | 1889 |
| Pears | Tons | 48,600 | 1964 | 1,400 | 2002 | 1889 |
| Plums | Tons | 25,000 | 1971 | 250 | 2002 | 1919 |
| Strawberries | 1,000 cwt | 451 | 1940 | 41 | 2004 | 1928 |

Fruit: Acres harvested and value of production, 2004-2008

| Item | Unit | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------|---------------|---------|---------|---------|---------|---------|
| Acres harvested | 1,000 acres | 115 | 113 | 112 | 109 | 109 |
| Value of production | 1,000 dollars | 282,894 | 278,759 | 351,656 | 416,826 | 363,285 |

Fruit: Acres, production, and value, 2004-2008

| Fruit and Year | Bearing acres | Yield | Production | | Price | Value of production |
|---------------------------------|---------------|---------------|-----------------------|-----------------------|--------------------------|----------------------|
| | | | Total | Utilized | | |
| | <i>Acres</i> | <i>Pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Dollars per pound</i> | <i>1,000 dollars</i> |
| Apples | | | | | | |
| 2004 | 40,500 | 18,000 | 730 | 730 | 0.123 | 89,780 |
| 2005 | 40,000 | 19,000 | 760 | 755 | 0.126 | 95,038 |
| 2006 | 38,500 | 22,900 | 880 | 855 | 0.141 | 120,386 |
| 2007 | 36,000 | 21,400 | 770 | 770 | 0.169 | 130,325 |
| 2008 | 36,500 | 16,400 | 600 | 600 | 0.196 | 117,425 |
| Blueberries ¹ | | | | | | |
| 2004 | 17,400 | 4,600 | 80 | 80 | 1.220 | 97,210 |
| 2005 | 16,800 | 3,930 | 66 | 66 | 1.270 | 83,500 |
| 2006 | 18,100 | 4,970 | 90 | 90 | 1.660 | 149,655 |
| 2007 | 18,500 | 5,030 | 93 | 93 | 1.780 | 165,456 |
| 2008 | 18,600 | 5,910 | 110 | 110 | 1.130 | 124,000 |
| Cherries, tart | | | | | | |
| 2004 | 27,000 | 5,520 | 149 | 149 | 0.335 | 49,861 |
| 2005 | 26,700 | 7,790 | 208 | 208 | 0.229 | 47,555 |
| 2006 | 26,400 | 7,200 | 190 | 180 | 0.192 | 34,697 |
| 2007 | 26,100 | 7,510 | 196 | 193 | 0.264 | 50,905 |
| 2008 | 25,900 | 6,370 | 165 | 165 | 0.382 | 63,030 |
| Peaches | | | | | | |
| 2004 | 5,200 | 7,200 | 37.4 | 37.4 | 0.274 | 10,274 |
| 2005 | 5,000 | 5,600 | 28.0 | 28.0 | 0.285 | 7,982 |
| 2006 | 4,500 | 8,400 | 37.8 | 37.4 | 0.350 | 13,066 |
| 2007 | 4,300 | 9,540 | 41.0 | 38.2 | 0.426 | 16,298 |
| 2008 | 4,300 | 6,520 | 28.0 | 27.4 | 0.330 | 9,052 |
| | <i>Acres</i> | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> | <i>Dollars per ton</i> | <i>1,000 dollars</i> |
| Cherries, sweet | | | | | | |
| 2004 | 8,100 | 3.05 | 24,700 | 24,700 | 660 | 16,311 |
| 2005 | 7,900 | 3.42 | 27,000 | 27,000 | 620 | 16,732 |
| 2006 | 7,700 | 2.60 | 20,000 | 20,000 | 775 | 15,492 |
| 2007 | 7,300 | 3.74 | 27,300 | 27,300 | 649 | 17,709 |
| 2008 | 7,200 | 3.68 | 26,500 | 26,300 | 576 | 15,159 |
| Grapes | | | | | | |
| 2004 | 13,900 | 4.50 | 62,500 | 58,000 | 236 | 13,690 |
| 2005 | 14,200 | 7.23 | 102,700 | 102,700 | 210 | 21,518 |
| 2006 | 14,200 | 2.29 | 32,500 | 27,500 | 336 | 9,242 |
| 2007 | 14,100 | 7.10 | 100,100 | 100,100 | 286 | 28,605 |
| 2008 | 14,200 | 5.19 | 73,700 | 73,700 | 364 | 26,794 |
| Pears | | | | | | |
| 2004 | 800 | 4.33 | 3,460 | 3,400 | 311 | 1,058 |
| 2005 | 800 | 2.50 | 2,000 | 1,970 | 423 | 834 |
| 2006 | 800 | 4.50 | 3,600 | 3,500 | 320 | 1,120 |
| 2007 | 800 | 5.00 | 4,000 | 3,600 | 450 | 1,621 |
| 2008 | 800 | 3.56 | 2,850 | 2,800 | 414 | 1,158 |
| Plums | | | | | | |
| 2004 | 750 | 3.33 | 2,500 | 2,000 | 353 | 705 |
| 2005 | 750 | 2.67 | 2,000 | 2,000 | 361 | 722 |
| 2006 | 750 | 4.80 | 3,600 | 3,400 | 504 | 1,713 |
| 2007 | 750 | 4.13 | 3,100 | 2,000 | 440 | 879 |
| 2008 | 650 | 3.54 | 2,300 | 2,300 | 357 | 821 |

¹ Harvested acres.

Apples: End-of-month stocks in cold and controlled atmosphere storage, 2004-2008

| Month | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 |
|----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> |
| October | 336,351 | 351,515 | 383,675 | 322,867 | 312,665 |
| November | 326,921 | 322,792 | 362,253 | 273,629 | 310,356 |
| December | 268,632 | 261,930 | 323,942 | 217,797 | |
| January | 227,805 | 216,048 | 260,604 | 171,502 | |
| February | 185,138 | 158,504 | 211,682 | 122,105 | |
| March | 137,500 | 105,340 | 143,579 | 83,984 | |
| April | 81,771 | 68,511 | 87,067 | 38,313 | |

Apples: Utilization and price, 2004-2008

| Year | Fresh market | | Processing | | Total | |
|------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|
| | Quantity | Price per lb | Quantity | Price per lb | Quantity | Price per lb |
| | <i>Million pounds</i> | <i>Dollars</i> | <i>Million pounds</i> | <i>Dollars</i> | <i>Million pounds</i> | <i>Dollars</i> |
| 2004 | 240 | 0.202 | 490 | 0.084 | 730 | 0.123 |
| 2005 | 265 | 0.210 | 490 | 0.080 | 755 | 0.126 |
| 2006 | 295 | 0.245 | 560 | 0.086 | 855 | 0.141 |
| 2007 | 265 | 0.290 | 505 | 0.106 | 770 | 0.169 |
| 2008 | 165 | 0.355 | 435 | 0.136 | 600 | 0.196 |

Apples, processing: Utilization and price, 2004-2008

| Year | Canned | | Frozen and fresh slices | | Juice and cider | |
|------|-----------------------|----------------|-------------------------|----------------|-----------------------|----------------|
| | Quantity | Price per lb | Quantity | Price per lb | Quantity | Price per lb |
| | <i>Million pounds</i> | <i>Dollars</i> | <i>Million pounds</i> | <i>Dollars</i> | <i>Million pounds</i> | <i>Dollars</i> |
| 2004 | 210 | 0.090 | 157 | 0.098 | 115 | 0.055 |
| 2005 | 195 | 0.088 | 147 | 0.095 | 140 | 0.055 |
| 2006 | 215 | 0.085 | 168 | 0.113 | 175 | 0.060 |
| 2007 | 165 | 0.110 | 180 | 0.124 | 155 | 0.080 |
| 2008 | 165 | 0.150 | 140 | 0.159 | 125 | 0.090 |

¹ Not published to avoid disclosure of individual operations.

Blueberries: Utilization and price, 2004-2008

| Year | Production | | Fresh market | | Processed | |
|------|--------------------|--------------------|--------------------|-----------------|--------------------|-----------------|
| | Total | Utilized | Quantity | Price per pound | Quantity | Price per pound |
| | <i>Million lbs</i> | <i>Million lbs</i> | <i>Million lbs</i> | <i>Dollars</i> | <i>Million lbs</i> | <i>Dollars</i> |
| 2004 | 80 | 80 | 36 | 1.600 | 44 | 0.900 |
| 2005 | 66 | 66 | 25 | 1.700 | 41 | 1.000 |
| 2006 | 90 | 90 | 29 | 2.150 | 61 | 1.430 |
| 2007 | 93 | 93 | 30 | 2.050 | 63 | 1.650 |
| 2008 | 110 | 110 | 40 | 1.700 | 70 | 0.800 |

Cherries, sweet: Production and utilization, 2004-2008

| Year | Total production | Utilized production | | | | | | | |
|------|------------------|---------------------|----------------|-------------|----------------|-------------|----------------|--------------------|----------------|
| | | Fresh | | Canned | | Brined | | Other ¹ | |
| | | Quantity | Price per ton | Quantity | Price per ton | Quantity | Price per ton | Quantity | Price per ton |
| | <i>Tons</i> | <i>Tons</i> | <i>Dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>Tons</i> | <i>Dollars</i> |
| 2004 | 24,700 | 500 | 2,020 | 2,870 | 640 | 18,100 | 617 | 3,230 | 711 |
| 2005 | 27,000 | 600 | 1,770 | 4,350 | 630 | 17,800 | 550 | 4,250 | 739 |
| 2006 | 20,000 | 1,000 | 2,750 | 670 | 800 | 12,200 | 550 | 6,130 | 897 |
| 2007 | 27,300 | 800 | 2,060 | 1,060 | 730 | 17,400 | 440 | 8,040 | 949 |
| 2008 | 26,500 | 1,200 | 2,620 | 1,830 | 460 | 14,100 | 380 | 9,170 | 634 |

¹ Frozen, juice, etc.

Cherries, tart: Utilization, 2004-2008

| Year | Production | | Fresh market | Processed | | | | | |
|------|--------------------|--------------------|--------------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|
| | Total | Utilized | | Canned | | Frozen | | Other ¹ | |
| | | | | Quantity | Price per pound | Quantity | Price per pound | Quantity | Price per pound |
| | <i>Million lbs</i> | <i>Million lbs</i> | <i>Million lbs</i> | <i>Million lbs</i> | <i>Dollars</i> | <i>Million lbs</i> | <i>Dollars</i> | <i>Million lbs</i> | <i>Dollars</i> |
| 2004 | 149 | 149 | 0.5 | 39.5 | 0.340 | 103 | 0.340 | 6.0 | 0.169 |
| 2005 | 208 | 208 | 0.5 | 51.0 | 0.240 | 146 | 0.230 | 10.5 | 0.141 |
| 2006 | 190 | 180 | 0.5 | 39.0 | 0.160 | 114 | 0.210 | 26.8 | 0.153 |
| 2007 | 196 | 193 | 0.5 | 39.0 | 0.270 | 143 | 0.265 | 10.5 | 0.191 |
| 2008 | 165 | 165 | 0.5 | 39.0 | 0.435 | 117 | 0.370 | 8.5 | 0.262 |

¹ Juice, wine, and dried.

Cherries, tart: Production by region, 2004-2008

| Region | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> |
| Northwest | 88.0 | 129.0 | 115.0 | 134.0 | 96.5 |
| West Central | 37.0 | 64.0 | 49.0 | 53.0 | 50.0 |
| Southwest and other | 24.0 | 15.0 | 26.0 | 9.0 | 18.5 |
| Michigan | 149.0 | 208.0 | 190.0 | 196.0 | 165.0 |

Cherries, tart, frozen: Stocks in cold storage, 2005-2008

| Month | East North Central region ¹ | | | | 48 States total ² | | | |
|-----------|--|---------------------|---------------------|---------------------|------------------------------|---------------------|---------------------|---------------------|
| | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2005-06 | 2006-07 | 2007-08 | 2008-09 |
| | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>1,000 pounds</i> |
| July | 114,768 | 122,154 | 135,923 | 99,621 | 136,042 | 137,736 | 168,436 | 118,790 |
| August | 118,997 | 115,591 | 125,752 | 114,186 | 150,216 | 143,082 | 158,643 | 137,994 |
| September | 111,371 | 107,942 | 121,898 | 100,749 | 139,969 | 133,717 | 153,812 | 120,386 |
| October | 105,240 | 101,127 | 112,606 | 93,116 | 131,846 | 123,486 | 142,039 | 113,867 |
| November | 97,377 | 93,505 | 104,719 | | 117,828 | 112,606 | 132,845 | |
| December | 92,220 | 89,022 | 99,014 | | 110,359 | 110,361 | 126,646 | |
| January | 85,006 | 80,445 | 91,603 | | 102,319 | 97,425 | 117,609 | |
| February | 77,281 | 73,593 | 86,533 | | 92,935 | 88,896 | 109,423 | |
| March | 66,486 | 64,283 | 82,236 | | 78,660 | 76,170 | 100,479 | |
| April | 60,926 | 55,544 | 72,708 | | 71,560 | 66,958 | 87,495 | |
| May | 52,818 | 45,509 | 63,661 | | 61,316 | 58,337 | 75,690 | |
| June | 42,339 | 36,519 | 53,119 | | 47,806 | 48,989 | 63,055 | |

¹ Illinois, Indiana, Michigan, Ohio, and Wisconsin.

² Excluding Alaska and Hawaii.

Grapes: Processed utilization and value, 2004-2008

| Year | Concord | Niagara | Other | Total | | |
|------|-------------|-------------|-------------|---------------------|----------------|----------------------|
| | | | | Utilized production | Price per ton | Value |
| | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 34,900 | 19,400 | 3,200 | 57,500 | 231 | 13,290 |
| 2005 | 66,500 | 31,000 | 4,500 | 102,000 | 205 | 20,958 |
| 2006 | 15,350 | 8,100 | 3,950 | 27,400 | 331 | 9,082 |
| 2007 | 61,000 | 33,500 | 4,500 | 99,000 | 261 | 25,855 |
| 2008 | 45,800 | 22,000 | 4,700 | 72,500 | 325 | 23,554 |

Grapes: Processed for wine by category, 2004-2008

| Year | Hybrids | | Vinifera | | Other | | Total | | |
|------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|----------------------|
| | Quantity | Price per ton | Quantity | Price per ton | Quantity | Price per ton | Quantity | Price per ton | Value of production |
| | <i>Tons</i> | <i>Dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 970 | 520 | 1,950 | 1,185 | 280 | 180 | 3,200 | 895 | 2,864 |
| 2005 | 1,660 | 510 | 2,640 | 1,430 | 300 | 230 | 4,600 | 1,020 | 4,692 |
| 2006 | 1,490 | 620 | 2,460 | 1,340 | 350 | 225 | 4,300 | 1,000 | 4,300 |
| 2007 | 1,800 | 560 | 2,700 | 1,435 | 900 | 220 | 5,400 | 940 | 5,080 |
| 2008 | 2,100 | 610 | 2,700 | 1,380 | 500 | 240 | 5,300 | 970 | 5,141 |

Peaches: Utilization and value, 2004-2008

| Year | Fresh Market | | | Processing | | |
|-------------------|--------------------|-----------------|----------------------|-------------|----------------|----------------------|
| | Production | Price per pound | Value of production | Production | Price per ton | Value of production |
| | <i>Million lbs</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 25.0 | 0.330 | 8,250 | 6,200 | 326 | 2,024 |
| 2005 | 14.0 | 0.390 | 5,460 | 7,000 | 360 | 2,522 |
| 2006 | 22.7 | 0.430 | 9,761 | 7,350 | 450 | 3,305 |
| 2007 ¹ | | | | | | |
| 2008 ¹ | | | | | | |

¹ Not published to avoid disclosure of individual operations.

Plums: Utilization and value, 2004-2008

| Year | Fresh Market | | | Processing | | |
|------|--------------|----------------|----------------------|-------------|----------------|----------------------|
| | Production | Price per ton | Value of production | Production | Price per ton | Value of production |
| | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 350 | 769 | 269 | 1,650 | 264 | 436 |
| 2005 | 450 | 760 | 342 | 1,550 | 245 | 380 |
| 2006 | 1,800 | 730 | 1,314 | 1,600 | 249 | 399 |
| 2007 | 900 | 765 | 689 | 1,100 | 173 | 190 |
| 2008 | 700 | 775 | 543 | 1,600 | 174 | 278 |

Strawberries: Acres, production and value, 2004-2008

| Year | Total | Harvested | Yield | Production | Price per cwt | Value of production |
|------|--------------|--------------|------------|------------------|----------------|----------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>Cwt</i> | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 1,100 | 900 | 46 | 41 | 97.70 | 4,005 |
| 2005 | 1,100 | 1,000 | 52 | 52 | 93.80 | 4,878 |
| 2006 | 1,000 | 850 | 65 | 55 | 114.00 | 6,285 |
| 2007 | 1,000 | 850 | 51 | 43 | 117.00 | 5,028 |
| 2008 | 950 | 800 | 61 | 49 | 119.00 | 5,846 |

Strawberries: Utilization and value, 2004-2008

| Year | Fresh Market | | | Processing | | |
|------|------------------|----------------|----------------------|------------------|----------------|----------------------|
| | Production | Price per cwt | Value of production | Production | Price per cwt | Value of production |
| | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 36 | 105 | 3,780 | 5 | 45.00 | 225 |
| 2005 | 47 | 99 | 4,653 | 5 | 45.00 | 225 |
| 2006 | 52 | 118 | 6,136 | 3 | 49.50 | 149 |
| 2007 | 41 | 120 | 4,920 | 2 | 54.00 | 108 |
| 2008 | 47 | 122 | 5,734 | 2 | 56.00 | 112 |

Refrigerated warehouses: Number and capacity, October 1, 2007 ¹

| Type | Number | Usable freezer space | Usable cooler space | Controlled atmosphere |
|----------------------------------|--------|----------------------|---------------------|-----------------------|
| | | <i>1,000 cu ft</i> | <i>1,000 cu ft</i> | <i>1,000 bushels</i> |
| Apple | 153 | | 26,185 | 6,251 |
| General-public | 24 | 50,511 | 6,193 | |
| General-private and semi-private | 23 | 15,215 | 4,651 | |

¹ Conducted biennially.

Vegetables

Michigan vegetable growers produced 833,350 tons of fresh and processed vegetables in 2008. Harvested acreage was 105,400. Value of production totaled \$239 million. Nationally, Michigan ranked eighth and fourth, respectively for fresh market and processing vegetable value of production.

Michigan farmers produced 8.40 million hundredweight (cwt) of fresh market vegetables, an increase of 1 percent from 2007. Processing vegetable production totaled 413,350 tons. Light precipitation in early May was welcomed by most farmers, but field work and planting for some vegetables was hindered. Warmer, drier weather in early July helped with crop development, but pressure from foliar diseases forced farmers to spray more than usual. Dry conditions prevailed through August, causing growers to worry about reductions in yield and crop quality for late season vegetables. Rain in mid-September was welcomed by some, but crop experts

believed it may have been too late to benefit most crops. While warm, sunny days in October helped farmers to complete harvest, cool nights and early season frosts hindered crop development.

Michigan ranked third among States for dual purpose asparagus production with 258,000 cwt produced, up 6 percent from last year's 244,000 cwt. Asparagus spears began to emerge in late April, with the warm temperatures pushing crop development ahead of schedule. Harvest started in early May with some losses to a freeze which occurred then, but most growers picked all the spears that were up in the southwest. The spears were sandy because of the excessive rain and purple spot was evident in some fields. Harvest was complete in some areas by mid-June while other growers picked late. Growers felt the yield was better than last year, but still behind a full crop.

Vegetables: Record highs and lows

| Crop | Unit | Record high | | Record low | | Year estimates started |
|----------------------------|-------------|-------------|-----------|------------|------|------------------------|
| | | Quantity | Year | Quantity | Year | |
| Asparagus | | | | | | |
| Harvested | 1,000 acres | 23.0 | 1989 | 1.0 | 1928 | 1928 |
| Yield | Cwt | 31 | 1947 | 9 | 1981 | |
| Production | 1,000 cwt | 317 | 2003 | 17 | 1928 | |
| Beans, snap (processing) | | | | | | |
| Harvested | 1,000 acres | 27.0 | 1999 | 0.8 | 1921 | 1918 |
| Yield | Tons | 3.89 | 1998 | 0.60 | 1947 | |
| Production | Tons | 100,970 | 1999 | 600 | 1921 | |
| Carrots (fresh market) | | | | | | |
| Harvested | 1,000 acres | 7.7 | 1994 | 0.5 | 1929 | 1929 |
| Yield | Cwt | 398 | 1995 | 155 | 1957 | |
| Production | 1,000 cwt | 2,610 | 1995 | 132 | 1936 | |
| Celery | | | | | | |
| Harvested | 1,000 acres | 7.2 | 1941 | 1.6 | 2005 | 1928 |
| Yield | Cwt | 575 | 2005 | 174 | 1935 | |
| Production | 1,000 cwt | 1,915 | 1941 | 576 | 1966 | |
| Corn, sweet (fresh market) | | | | | | |
| Harvested | 1,000 acres | 15.2 | 1961 | 8.0 | 2005 | 1949 |
| Yield | Cwt | 110 | 2006 | 42 | 1949 | |
| Production | 1,000 cwt | 1,020 | 1994 | 525 | 1949 | |
| Cucumbers (processing) | | | | | | |
| Harvested | 1,000 acres | 46.3 | 1949 | 9.3 | 1932 | 1918 |
| Yield | Tons | 6.7 | 1987 | 0.6 | 1924 | |
| Production | Tons | 189,100 | 2008 | 8,900 | 1932 | |
| Onions | | | | | | |
| Harvested | 1,000 acres | 12.7 | 1935 | 2.9 | 2005 | 1928 |
| Yield | Cwt | 350 | 1960 | 120 | 1935 | |
| Production | 1,000 cwt | 2,833 | 1948 | 754 | 2005 | |
| Tomatoes (fresh market) | | | | | | |
| Harvested | 1,000 acres | 9.4 | 1943 | 1.8 | 2001 | 1928 |
| Yield | Cwt | 260 | 2004,2008 | 60 | 1959 | |
| Production | 1,000 cwt | 797 | 1943 | 204 | 1988 | |
| Tomatoes (processing) | | | | | | |
| Harvested | 1,000 acres | 9.7 | 1982 | 1.0 | 1921 | 1918 |
| Yield | Tons | 38.0 | 2003 | 2.7 | 1943 | |
| Production | Tons | 205,000 | 1982 | 5,000 | 1921 | |

Vegetables: Acres harvested and value of production, 2004-2008

| Item | Unit | 2004 | 2005 ¹ | 2006 | 2007 | 2008 |
|---------------------|---------------|---------|-------------------|---------|---------|---------|
| Acres harvested | 1,000 acres | 121 | 107 | 113 | 115 | 105 |
| Value of production | 1,000 dollars | 232,401 | 186,062 | 221,308 | 224,677 | 239,121 |

¹ Processing tomatoes excluded to avoid disclosure of individual operations.

Principal vegetables, fresh market: Acres, production, and value, 2004-2008

| Year | Planted | Harvested | Production | Value |
|------|--------------|--------------|------------------|----------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>1,000 cwt</i> | <i>1,000 dollars</i> |
| 2004 | 68,400 | 64,000 | 9,611 | 175,899 |
| 2005 | 59,200 | 55,200 | 8,884 | 146,330 |
| 2006 | 59,000 | 55,400 | 8,793 | 163,539 |
| 2007 | 59,300 | 56,000 | 8,347 | 156,949 |
| 2008 | 56,700 | 53,800 | 8,396 | 170,826 |

Principal vegetables, processing: Acres, production, and value, 2004-2008

| Year | Planted | Harvested | Production | Value |
|-------------------|--------------|--------------|-------------|----------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>Tons</i> | <i>1,000 dollars</i> |
| 2004 | 57,700 | 56,600 | 374,780 | 56,502 |
| 2005 ¹ | 53,300 | 51,400 | 275,540 | 39,732 |
| 2006 | 59,000 | 57,200 | 413,970 | 57,769 |
| 2007 | 60,500 | 59,100 | 419,100 | 67,728 |
| 2008 | 52,700 | 51,600 | 413,350 | 68,295 |

¹ Processing tomatoes excluded to avoid disclosure of individual operations.

Vegetables, processing: Acres, production, and value, 2004-2008

| Item and Year | Planted | Harvested | Yield | Production | Price per ton | Value |
|-------------------|--------------|--------------|-------------|-------------|----------------|----------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>Tons</i> | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Carrots | | | | | | |
| 2004 | 1,400 | 1,300 | 25.00 | 32,500 | 62.00 | 2,015 |
| 2005 | 2,300 | 2,200 | 26.00 | 57,200 | 62.00 | 3,546 |
| 2006 | 2,700 | 2,600 | 23.00 | 59,800 | 74.00 | 4,425 |
| 2007 | 3,100 | 3,000 | 20.00 | 60,000 | 76.00 | 4,560 |
| 2008 | 2,800 | 2,700 | 25.00 | 67,500 | 74.00 | 4,995 |
| Cucumbers | | | | | | |
| 2004 | 35,000 | 34,500 | 5.00 | 172,500 | 205.00 | 35,363 |
| 2005 | 34,000 | 33,000 | 4.80 | 158,400 | 168.00 | 26,611 |
| 2006 | 34,000 | 33,200 | 5.20 | 172,640 | 194.00 | 33,492 |
| 2007 | 35,500 | 35,000 | 5.30 | 185,500 | 230.00 | 42,665 |
| 2008 | 31,000 | 30,500 | 6.20 | 189,100 | 220.00 | 41,602 |
| Snap beans | | | | | | |
| 2004 | 17,700 | 17,300 | 3.54 | 61,280 | 169.00 | 10,335 |
| 2005 | 17,000 | 16,200 | 3.70 | 59,940 | 160.00 | 9,575 |
| 2006 | 19,000 | 18,100 | 3.65 | 66,030 | 148.00 | 9,803 |
| 2007 | 18,500 | 17,800 | 3.45 | 61,400 | 169.00 | 10,405 |
| 2008 | 15,500 | 15,000 | 3.65 | 54,750 | 210.00 | 11,498 |
| Tomatoes | | | | | | |
| 2004 | 3,600 | 3,500 | 31.00 | 108,500 | 81.00 | 8,789 |
| 2005 ¹ | | | | | | |
| 2006 | 3,300 | 3,300 | 35.00 | 115,500 | 87.00 | 10,049 |
| 2007 | 3,400 | 3,300 | 34.00 | 112,200 | 90.00 | 10,098 |
| 2008 | 3,400 | 3,400 | 30.00 | 102,000 | 100.00 | 10,200 |

¹ Estimates not published to avoid disclosure of individual operations.

Vegetables, fresh market: Acres, production, and value, 2004-2008

| Item and year | Planted | Harvested | Yield | Production | Price per cwt | Value ¹ |
|--------------------|--------------|--------------|------------|------------------|----------------|----------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>Cwt</i> | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Beans, snap | | | | | | |
| 2004 | 4,400 | 4,100 | 45 | 185 | 45.00 | 8,325 |
| 2005 | 4,300 | 4,100 | 55 | 226 | 60.00 | 13,560 |
| 2006 | 3,900 | 3,500 | 55 | 193 | 40.00 | 7,720 |
| 2007 | 3,400 | 3,100 | 40 | 124 | 65.00 | 8,060 |
| 2008 | 3,200 | 2,800 | 40 | 112 | 40.00 | 4,480 |
| Cabbage | | | | | | |
| 2004 | 1,800 | 1,600 | 270 | 432 | 12.00 | 5,184 |
| 2005 | 1,800 | 1,700 | 360 | 612 | 8.50 | 5,202 |
| 2006 | 1,900 | 1,800 | 340 | 612 | 12.10 | 7,405 |
| 2007 | 2,500 | 2,400 | 320 | 768 | 15.00 | 11,520 |
| 2008 | 2,500 | 2,400 | 280 | 672 | 18.00 | 12,096 |
| Carrots | | | | | | |
| 2004 | 4,400 | 4,200 | 310 | 1,302 | 12.20 | 15,884 |
| 2005 | 3,100 | 3,000 | 360 | 1,080 | 14.00 | 15,120 |
| 2006 | 2,800 | 2,400 | 320 | 768 | 18.00 | 13,824 |
| 2007 | 2,300 | 2,200 | 300 | 660 | 15.80 | 10,428 |
| 2008 | 2,400 | 2,300 | 290 | 667 | 19.00 | 12,673 |
| Corn, sweet | | | | | | |
| 2004 | 10,500 | 9,500 | 75 | 713 | 19.50 | 13,904 |
| 2005 | 9,000 | 8,000 | 100 | 800 | 20.00 | 16,000 |
| 2006 | 9,200 | 8,500 | 110 | 935 | 18.00 | 16,830 |
| 2007 | 9,700 | 8,700 | 85 | 740 | 19.80 | 14,652 |
| 2008 | 9,000 | 8,500 | 85 | 723 | 23.50 | 16,991 |
| Cucumbers | | | | | | |
| 2004 | 7,500 | 7,400 | 175 | 1,295 | 17.20 | 22,274 |
| 2005 | 5,500 | 5,200 | 180 | 936 | 16.00 | 14,976 |
| 2006 | 5,600 | 5,200 | 170 | 884 | 18.50 | 16,354 |
| 2007 | 5,000 | 4,900 | 175 | 858 | 17.90 | 15,358 |
| 2008 | 4,200 | 4,100 | 185 | 759 | 18.60 | 14,117 |
| Onions | | | | | | |
| 2004 | 3,500 | 3,400 | 290 | 986 | 10.80 | 8,521 |
| 2005 | 3,000 | 2,900 | 260 | 754 | 13.00 | 7,852 |
| 2006 | 3,500 | 3,400 | 250 | 850 | 14.60 | 9,928 |
| 2007 | 3,900 | 3,800 | 260 | 988 | 11.10 | 8,747 |
| 2008 | 4,000 | 3,600 | 280 | 1,008 | 16.40 | 13,251 |
| Tomatoes | | | | | | |
| 2004 | 2,200 | 2,100 | 260 | 546 | 48.00 | 26,208 |
| 2005 | 2,000 | 2,000 | 220 | 440 | 38.00 | 16,720 |
| 2006 | 2,000 | 2,000 | 230 | 460 | 50.00 | 23,000 |
| 2007 | 2,200 | 2,200 | 230 | 506 | 49.00 | 24,794 |
| 2008 | 2,200 | 2,100 | 260 | 546 | 45.00 | 24,570 |

¹ Value of sales for onions.

Vegetables, dual purpose: Acres, production, and value, 2004-2008

| Item and year | Planted | Harvested | Yield | Production | Price per cwt | Value |
|---------------|--------------|--------------|------------|------------------|----------------|----------------------|
| | <i>Acres</i> | <i>Acres</i> | <i>Cwt</i> | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Asparagus | | | | | | |
| 2004 | 15,000 | 13,500 | 20 | 270 | 64.70 | 17,468 |
| 2005 | 12,700 | 12,200 | 19 | 232 | 51.80 | 12,006 |
| 2006 | 12,200 | 11,700 | 22 | 257 | 57.80 | 14,866 |
| 2007 | 12,100 | 11,600 | 21 | 244 | 66.00 | 16,092 |
| 2008 | 11,700 | 11,200 | 23 | 258 | 71.80 | 18,516 |
| Celery | | | | | | |
| 2004 | 2,300 | 2,200 | 560 | 1,232 | 12.30 | 15,215 |
| 2005 | 1,700 | 1,600 | 575 | 920 | 11.40 | 10,493 |
| 2006 | 1,800 | 1,700 | 530 | 900 | 22.10 | 19,920 |
| 2007 | 2,000 | 1,900 | 490 | 931 | 13.20 | 12,334 |
| 2008 | 1,900 | 1,800 | 525 | 945 | 15.60 | 14,705 |
| Peppers, bell | | | | | | |
| 2004 | 1,800 | 1,800 | 290 | 522 | 26.00 | 13,572 |
| 2005 | 1,500 | 1,400 | 280 | 392 | 23.00 | 9,016 |
| 2006 | 1,500 | 1,400 | 270 | 378 | 26.00 | 9,828 |
| 2007 | 1,500 | 1,500 | 260 | 390 | 33.00 | 12,870 |
| 2008 | 1,600 | 1,600 | 250 | 400 | 30.00 | 12,000 |
| Pumpkins | | | | | | |
| 2004 | 7,800 | 7,200 | 140 | 1,008 | 13.00 | 13,104 |
| 2005 | 6,000 | 5,200 | 145 | 754 | 12.00 | 9,048 |
| 2006 | 6,200 | 5,700 | 150 | 855 | 11.00 | 9,405 |
| 2007 | 7,000 | 6,200 | 115 | 713 | 12.00 | 8,556 |
| 2008 | 7,100 | 6,800 | 145 | 986 | 15.50 | 15,283 |
| Squash | | | | | | |
| 2004 | 7,200 | 7,000 | 160 | 1,120 | 14.50 | 16,240 |
| 2005 | 8,600 | 7,900 | 220 | 1,738 | 9.40 | 16,337 |
| 2006 | 8,400 | 8,100 | 210 | 1,701 | 8.50 | 14,459 |
| 2007 | 7,700 | 7,500 | 190 | 1,425 | 9.50 | 13,538 |
| 2008 | 6,900 | 6,600 | 200 | 1,320 | 9.20 | 12,144 |

Asparagus: Utilization and value, 2004-2008

| Year | Fresh market | | | Processing | | |
|-------------------|------------------|----------------|----------------------|-------------|----------------|----------------------|
| | Production | Price per cwt | Value of production | Production | Price per ton | Value of production |
| | <i>1,000 cwt</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>Tons</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 26 | 90.00 | 2,340 | 12,200 | 1,240 | 15,128 |
| 2005 | 58 | 63.00 | 3,654 | 8,700 | 960 | 8,352 |
| 2006 | 31 | 64.00 | 1,984 | 11,300 | 1,140 | 12,882 |
| 2007 ¹ | | | | | | |
| 2008 ¹ | | | | | | |

¹ Estimates not published to avoid disclosure of individual operations.

U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 2004-2008

| Year | From current year crop | | | From previous year crop | Total stocks |
|------|---------------------------|-------------|--------------|---------------------------|--------------|
| | Salt stock including dill | Fresh pack | Refrigerated | Salt stock including dill | |
| | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> | <i>Tons</i> |
| 2004 | 168,553 | 55,474 | 1,638 | 14,979 | 240,644 |
| 2005 | 161,670 | 46,474 | 3,439 | 38,865 | 250,448 |
| 2006 | 389,502 | 36,470 | 2,800 | 15,534 | 444,306 |
| 2007 | 332,011 | 32,795 | 2,850 | 9,076 | 376,732 |
| 2008 | 377,549 | 30,713 | 1,530 | 38,177 | 447,969 |

Horticulture

Michigan maintained its third place national ranking in value of wholesale sales of floriculture products in 2008. Only California and Florida reported larger sales. Reports from Michigan's 720 commercial growers (\$10K or more in gross sales) showed an estimated wholesale value of \$393.5 million for all surveyed floriculture crops, down 3 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100K or more in sales plus a calculated wholesale value of sales for operations with sales from \$10K to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$100K in sales were:

- First, annual bedding/garden plants with \$187 million in sales.
- Second, propagative materials with \$77 million in sales.
- Third, herbaceous perennial plants with \$69 million in sales.
- Fourth, potted flowering plants with \$33 million in sales.

Michigan leads the nation in value of sales for 11 floriculture crops:

- Impatiens (flats) with 1.9 million flats sold, valued at \$13.9 million.
- Begonia Hanging Baskets with 365,000 baskets sold, valued at \$2.2 million.
- Geranium Hanging Baskets (cuttings) with 613,000 baskets sold, valued at \$4.3 million.
- Impatiens Hanging Baskets with 568,000 sold, valued at \$3.0 million.
- New Guinea Impatiens Hanging Baskets with 469,000 baskets sold, valued at \$3.3 million.
- Petunias Hanging Baskets with 850,000 baskets sold, valued at \$5.0 million.

- Potted Geraniums (seed) with 18.2 million pots sold, valued at \$14.6 million.
- Potted New Guinea Impatiens with 4.3 million pots sold, valued at \$6.8 million.
- Potted Petunias with 2.5 million pots sold, valued at \$5.2 million.
- Potted Vegetable Plants with 8.5 million pots sold, valued at \$9.3 million.
- Potted Hostas with 3.1 million pots sold, valued at \$7.7 million.

Michigan crops that ranked second in value of sales nationally were:

- Begonias (flats) with 827,000 flats sold, valued at \$6.2 million.
- Marigolds (flats) with 705,000 flats sold, valued at \$5.2 million.
- Petunias (flats) with 1.5 million flats sold, valued at \$11.0 million.
- Pansy/Viola Hanging Baskets with 84,000 baskets sold, valued at \$500,000
- Other Flowering and Foliar Hanging Baskets with 2.1 million baskets sold, valued at \$14.5 million.
- Potted Geraniums (cuttings) with 4.0 million pots sold, valued at \$10.5 million.
- Potted Hardy/Garden Chrysanthemums with 5.6 million pots sold, valued at \$13.3 million.
- Potted Other Herbaceous Perennials with 21.1 million pots sold, valued at \$48.3 million.
- Potted Easter Lilies with 1.1 million pots sold, valued at \$4.3 million.
- Potted Spring Flowering Bulbs with 7.7 million pots sold, valued at \$12.1 million.

Floriculture crops: Number of growers by gross value of sales, 2004-2008

| Year | \$10,000- \$19,999 | \$20,000- \$39,000 | \$40,000- \$49,000 | \$50,000- \$99,999 | \$100,000- \$499,999 | \$500,000 or more | Total growers |
|------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|----------------------|------------------|
| | <i>Number</i> | <i>Number</i> | <i>Number</i> | <i>Number</i> | <i>Number</i> | <i>Number</i> | <i>Number</i> |
| 2004 | 49 | 89 | 46 | 182 | 216 | 139 | 721 |
| 2005 | 46 | 94 | 41 | 173 | 203 | 140 | 697 |
| 2006 | 60 | 83 | 42 | 154 | 193 | 139 | 671 |
| 2007 | 61 | 114 | 49 | 176 | 193 | 138 | 731 |
| 2008 | 84 | 111 | 46 | 160 | 181 | 138 | 720 |

Floriculture crops: Growing area by type of cover, 2004-2008

| Year | Glass greenhouses | Fiberglass and other rigid greenhouses | Plastic film greenhouses | Total greenhouse cover | Shade and temporary cover | Total covered area | Open ground |
|------|--------------------------|---|--------------------------------|------------------------------|---------------------------------|--------------------------|----------------|
| | <i>1,000 square feet</i> | <i>1,000 square feet</i> | <i>1,000 square feet</i> | <i>1,000 square feet</i> | <i>1,000 square feet</i> | <i>1,000 square feet</i> | <i>Acres</i> |
| 2004 | 4,549 | 4,616 | 38,692 | 47,857 | 1,353 | 49,210 | 4,687 |
| 2005 | 4,327 | 4,614 | 36,937 | 45,878 | 1,183 | 47,061 | 4,958 |
| 2006 | 4,149 | 5,684 | 37,364 | 47,197 | 1,170 | 48,367 | 3,484 |
| 2007 | 3,751 | 4,495 | 38,746 | 46,992 | 1,091 | 48,083 | 4,058 |
| 2008 | 3,922 | 4,953 | 38,064 | 46,939 | 1,054 | 47,993 | 4,004 |

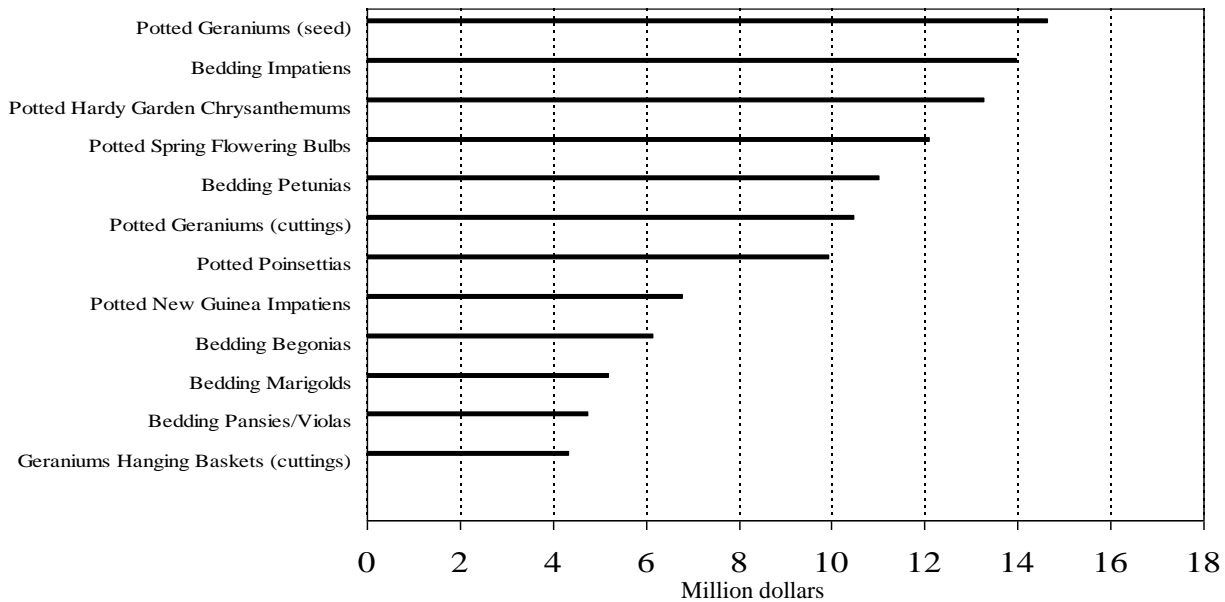
Floriculture crops: Wholesale value of sales by category, 2004-2008

| Year | Total cut flowers | Total potted flowering plants | Total foliage for indoor or patio use | Total bedding/garden plants | Total wholesale value of reported crops | Expanded wholesale value of reported crops ¹ |
|------|----------------------|-------------------------------|---------------------------------------|-----------------------------|---|---|
| | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> |
| 2004 | 8,711 | 32,074 | 4,152 | 238,508 | 365,897 | 384,655 |
| 2005 | 9,240 | 33,979 | 4,453 | 237,125 | 367,416 | 385,402 |
| 2006 | 6,608 | 33,329 | 4,504 | 239,301 | 364,132 | 380,500 |
| 2007 | 7,487 | 35,043 | 3,605 | 257,325 | 387,040 | 405,760 |
| 2008 | 6,971 | 32,903 | 3,085 | 256,165 | 376,041 | 393,531 |

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

Selected Floriculture Crops, 2008

Value of Sales



Bedding plants: Producers, quantity sold, price, and value, 2004-2008

| Item | Producers | Quantity sold | Percent of sales at wholesale | Wholesale price | Value of sales at wholesale |
|-----------------------------------|------------------|--------------------|-------------------------------|------------------|-----------------------------|
| | <i>Number</i> | <i>1,000 flats</i> | <i>Percent</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Begonias | | | | | |
| 2004 | 232 | 1,114 | 81 | 7.12 | 7,932 |
| 2005 | 225 | 1,350 | 86 | 7.18 | 9,693 |
| 2006 | 218 | 922 | 86 | 7.51 | 6,924 |
| 2007 | 206 | 821 | 86 | 7.43 | 6,100 |
| 2008 | 205 | 827 | 86 | 7.44 | 6,153 |
| Geraniums from cuttings | | | | | |
| 2004 | 16 | 67 | 33 | 15.24 | 1,021 |
| 2005 | (¹) | (¹) | (¹) | (¹) | (¹) |
| 2006 | 13 | 185 | 72 | 7.91 | 1,463 |
| 2007 | 11 | 67 | 18 | 10.29 | 689 |
| 2008 | 12 | 60 | 11 | 12.96 | 778 |
| Geraniums from seed | | | | | |
| 2004 | 32 | 73 | 74 | 11.41 | 833 |
| 2005 | 35 | 60 | 83 | 11.32 | 679 |
| 2006 | 33 | 55 | 87 | 11.80 | 649 |
| 2007 | 25 | 48 | 82 | 12.87 | 618 |
| 2008 | 22 | 48 | 78 | 11.90 | 571 |
| Impatiens | | | | | |
| 2004 | 235 | 2,302 | 86 | 7.01 | 16,137 |
| 2005 | 221 | 2,063 | 85 | 7.41 | 15,287 |
| 2006 | 224 | 2,128 | 86 | 7.17 | 15,258 |
| 2007 | 220 | 2,088 | 88 | 7.29 | 15,222 |
| 2008 | 220 | 1,932 | 87 | 7.22 | 13,949 |
| Marigolds | | | | | |
| 2004 | 234 | 814 | 87 | 7.08 | 5,763 |
| 2005 | 227 | 772 | 84 | 7.34 | 5,666 |
| 2006 | 227 | 753 | 85 | 7.31 | 5,504 |
| 2007 | 216 | 723 | 86 | 7.54 | 5,451 |
| 2008 | 213 | 705 | 86 | 7.35 | 5,182 |
| New Guinea Impatiens | | | | | |
| 2004 | 21 | 65 | 49 | 10.01 | 651 |
| 2005 | 23 | 78 | 84 | 10.67 | 832 |
| 2006 | 22 | 71 | 85 | 10.23 | 726 |
| 2007 | 15 | 43 | 48 | 8.34 | 359 |
| 2008 | 18 | 34 | 68 | 8.36 | 284 |
| Pansies/Violas | | | | | |
| 2004 | 218 | 882 | 91 | 6.77 | 5,971 |
| 2005 | 206 | 804 | 88 | 7.03 | 5,652 |
| 2006 | 203 | 813 | 87 | 6.85 | 5,569 |
| 2007 | 194 | 711 | 90 | 7.15 | 5,084 |
| 2008 | 194 | 629 | 90 | 7.53 | 4,736 |
| Petunias | | | | | |
| 2004 | 256 | 1,644 | 86 | 7.05 | 11,590 |
| 2005 | 248 | 1,557 | 85 | 7.41 | 11,537 |
| 2006 | 239 | 1,592 | 86 | 7.48 | 11,908 |
| 2007 | 228 | 1,457 | 87 | 7.49 | 10,913 |
| 2008 | 228 | 1,476 | 87 | 7.46 | 11,011 |
| Other flowering and foliar | | | | | |
| 2004 | 246 | 3,917 | 85 | 7.26 | 28,437 |
| 2005 | 242 | 3,673 | 85 | 7.67 | 28,172 |
| 2006 | 232 | 3,956 | 88 | 7.64 | 30,224 |
| 2007 | 225 | 3,389 | 89 | 7.65 | 25,926 |
| 2008 | 209 | 2,927 | 86 | 7.28 | 21,309 |
| Vegetables ² | | | | | |
| 2004 | 186 | 569 | 80 | 7.33 | 4,171 |
| 2005 | 182 | 630 | 74 | 8.16 | 5,141 |
| 2006 | 188 | 644 | 73 | 7.98 | 5,139 |
| 2007 | 173 | 726 | 84 | 7.80 | 5,663 |
| 2008 | 168 | 696 | 82 | 8.14 | 5,665 |

¹ Not published to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 2004-2008

| Item | Producers | Quantity sold | Percent of sales at wholesale | Wholesale price | Value of sales at wholesale |
|--------------------------------|------------------|----------------------|-------------------------------|------------------|-----------------------------|
| | <i>Number</i> | <i>1,000 baskets</i> | <i>Percent</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Begonias | | | | | |
| 2004 | 165 | 394 | 86 | 5.78 | 2,277 |
| 2005 | 169 | 435 | 86 | 5.63 | 2,449 |
| 2006 | 166 | 473 | 89 | 5.62 | 2,658 |
| 2007 | 170 | 447 | 88 | 5.31 | 2,374 |
| 2008 | 161 | 365 | 88 | 6.00 | 2,190 |
| Geraniums from cuttings | | | | | |
| 2004 | 212 | 784 | 83 | 6.56 | 5,143 |
| 2005 | 213 | 717 | 81 | 6.69 | 4,797 |
| 2006 | 210 | 734 | 81 | 6.73 | 4,940 |
| 2007 | 208 | 776 | 78 | 6.57 | 5,098 |
| 2008 | 205 | 613 | 79 | 7.04 | 4,316 |
| Geraniums from seed | | | | | |
| 2004 | 25 | 59 | 95 | 5.75 | 339 |
| 2005 | 29 | 68 | 97 | 6.19 | 421 |
| 2006 | 23 | 71 | 98 | 5.98 | 425 |
| 2007 | 23 | 61 | 97 | 5.54 | 338 |
| 2008 | 24 | 40 | 89 | 5.97 | 239 |
| Impatiens | | | | | |
| 2004 | 198 | 472 | 82 | 5.23 | 2,469 |
| 2005 | 200 | 551 | 86 | 5.09 | 2,805 |
| 2006 | 186 | 655 | 89 | 5.28 | 3,458 |
| 2007 | 188 | 721 | 91 | 4.81 | 3,468 |
| 2008 | 187 | 568 | 90 | 5.28 | 2,999 |
| Marigolds | | | | | |
| 2004 | (¹) | (¹) | (¹) | (¹) | (¹) |
| 2005 | 3 | 2 | 100 | 4.98 | 10 |
| 2006 | 6 | 12 | 100 | 3.31 | 40 |
| 2007 | (¹) | (¹) | (¹) | (¹) | (¹) |
| 2008 | 11 | 24 | 100 | 3.69 | 89 |
| New Guinea Impatiens | | | | | |
| 2004 | 221 | 813 | 90 | 6.37 | 5,179 |
| 2005 | 218 | 804 | 90 | 6.22 | 5,001 |
| 2006 | 215 | 713 | 90 | 6.52 | 4,649 |
| 2007 | 209 | 674 | 91 | 6.28 | 4,233 |
| 2008 | 205 | 469 | 87 | 7.00 | 3,283 |
| Pansies/Violas | | | | | |
| 2004 | 30 | 46 | 86 | 5.24 | 241 |
| 2005 | 35 | 85 | 95 | 4.80 | 408 |
| 2006 | 38 | 108 | 91 | 4.57 | 494 |
| 2007 | 43 | 145 | 96 | 5.14 | 745 |
| 2008 | 45 | 84 | 94 | 5.92 | 497 |
| Petunias | | | | | |
| 2004 | 197 | 517 | 86 | 5.25 | 2,714 |
| 2005 | 193 | 545 | 83 | 5.49 | 2,992 |
| 2006 | 190 | 784 | 90 | 5.90 | 4,626 |
| 2007 | 200 | 808 | 89 | 5.40 | 4,363 |
| 2008 | 206 | 850 | 88 | 5.83 | 4,956 |
| Other flowering | | | | | |
| 2004 | 208 | 1,968 | 83 | 6.10 | 12,005 |
| 2005 | 204 | 2,098 | 84 | 6.05 | 12,693 |
| 2006 | 197 | 2,201 | 88 | 6.31 | 13,888 |
| 2007 | 202 | 2,370 | 87 | 6.93 | 16,424 |
| 2008 | 192 | 2,068 | 87 | 6.99 | 14,455 |
| Foliage | | | | | |
| 2004 | 65 | 430 | 93 | 4.42 | 1,901 |
| 2005 | 62 | 273 | 91 | 4.81 | 1,313 |
| 2006 | 68 | 333 | 89 | 4.51 | 1,502 |
| 2007 | 63 | 214 | 86 | 5.52 | 1,181 |
| 2008 | 59 | 179 | 85 | 5.73 | 1,026 |

¹ Not published to avoid disclosure of individual operations.

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2004-2008

| Item | Producers | Quantity sold | | | Percent of sales at wholesale | Wholesale price | | Value of sales at wholesale |
|-------------------------------------|---------------|-----------------------|-----------------------|-------------------|-------------------------------|-----------------------|-----------------------|-----------------------------|
| | | Less than 5 inch pots | 5 inch pots or larger | Total | | Less than 5 inch pots | 5 inch pots or larger | |
| | <i>Number</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>Percent</i> | <i>Dollars</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Azaleas | | | | | | | | |
| 2004 | 24 | (¹) | 93 | 93 | 87 | (¹) | 7.82 | 727 |
| 2005 | 20 | (¹) | 68 | 68 | 87 | (¹) | 7.60 | 517 |
| 2006 | 22 | (¹) | 77 | 77 | 89 | (¹) | 7.27 | 560 |
| 2007 | 17 | (¹) | 58 | 58 | 84 | (¹) | 7.24 | 420 |
| 2008 | 17 | (¹) | 47 | 47 | 80 | (¹) | 7.40 | 348 |
| Begonias | | | | | | | | |
| 2004 | 96 | 637 | 213 | 850 | 88 | 1.05 | 2.48 | 1,197 |
| 2005 | 92 | 545 | 119 | 664 | 89 | 1.11 | 3.40 | 1,010 |
| 2006 | 94 | 526 | 72 | 598 | 85 | 1.10 | 3.34 | 819 |
| 2007 | 87 | 1,047 | 209 | 1,256 | 92 | 0.71 | 2.63 | 1,293 |
| 2008 | 99 | 619 | 153 | 772 | 91 | 1.28 | 3.02 | 1,254 |
| Chrysanthemums, florist | | | | | | | | |
| 2004 | 32 | 35 | 204 | 239 | 75 | 1.64 | 3.99 | 871 |
| 2005 | 24 | 28 | 262 | 290 | 89 | 1.71 | 5.99 | 1,617 |
| 2006 | 27 | 38 | 173 | 211 | 85 | 1.54 | 3.55 | 673 |
| 2007 | 22 | (¹) | 173 | 173 | 82 | (¹) | 3.11 | 538 |
| 2008 | 20 | 20 | 91 | 111 | 86 | 1.72 | 4.19 | 416 |
| Chrysanthemums, hardy garden | | | | | | | | |
| 2004 | 134 | 929 | 4,746 | 5,675 | 95 | 1.50 | 2.02 | 10,980 |
| 2005 | 144 | 558 | 5,114 | 5,672 | 95 | 1.00 | 2.09 | 11,246 |
| 2006 | 134 | 620 | 4,869 | 5,489 | 94 | 1.02 | 2.23 | 11,490 |
| 2007 | 131 | 772 | 4,154 | 4,926 | 94 | 1.19 | 2.99 | 13,339 |
| 2008 | 131 | 1,020 | 4,612 | 5,632 | 94 | 1.33 | 2.58 | 13,256 |
| Easter Lilies | | | | | | | | |
| 2004 | 38 | 91 | 1,290 | 1,381 | 97 | 1.72 | 3.66 | 4,878 |
| 2005 | 39 | (¹) | 1,267 | 1,267 | 98 | (¹) | 3.62 | 4,580 |
| 2006 | 43 | (¹) | 1,168 | 1,168 | 97 | (¹) | 3.88 | 4,530 |
| 2007 | 33 | (¹) | 1,131 | 1,131 | 98 | (¹) | 3.88 | 4,393 |
| 2008 | 33 | (¹) | 1,116 | 1,116 | 98 | (¹) | 3.86 | 4,308 |
| Geraniums from cuttings | | | | | | | | |
| 2004 | 231 | 3,739 | 1,448 | 5,187 | 70 | 1.74 | 3.60 | 11,719 |
| 2005 | 212 | 3,644 | 1,263 | 4,907 | 69 | 1.79 | 4.10 | 11,701 |
| 2006 | 219 | 3,191 | 1,218 | 4,409 | 65 | 1.84 | 4.33 | 11,145 |
| 2007 | 215 | 2,861 | 1,352 | 4,213 | 69 | 1.91 | 4.13 | 11,048 |
| 2008 | 205 | 2,654 | 1,348 | 4,002 | 66 | 1.87 | 4.09 | 10,476 |
| Geraniums from seed | | | | | | | | |
| 2004 | 109 | 16,726 | (¹) | 16,726 | 98 | 0.81 | (¹) | 13,565 |
| 2005 | 100 | 15,792 | 79 | 15,871 | 98 | 0.78 | 4.89 | 12,704 |
| 2006 | 97 | 19,514 | 9 | 19,523 | 99 | 0.78 | 9.63 | 15,308 |
| 2007 | 94 | 18,328 | 11 | 18,339 | 99 | 0.79 | 4.46 | 14,528 |
| 2008 | 93 | 18,150 | 20 | 18,170 | 99 | 0.80 | 5.97 | 14,639 |
| Impatiens | | | | | | | | |
| 2004 | 63 | 732 | 353 | 1,085 | 94 | 0.91 | 2.03 | 1,383 |
| 2005 | 69 | 554 | 111 | 665 | 95 | 0.84 | 3.10 | 809 |
| 2006 | 54 | 584 | 89 | 673 | 95 | 0.75 | 4.31 | 822 |
| 2007 | 60 | 698 | 237 | 935 | 91 | 0.72 | 1.81 | 932 |
| 2008 | 61 | 523 | 173 | 696 | 92 | 1.34 | 2.76 | 1,178 |
| Marigolds | | | | | | | | |
| 2004 | 28 | 113 | 171 | 284 | 98 | 0.85 | 1.84 | 411 |
| 2005 | 24 | 113 | 82 | 195 | 97 | 0.76 | 1.63 | 220 |
| 2006 | 17 | (¹) | 223 | 223 | 98 | (¹) | 1.77 | 394 |
| 2007 | 22 | 207 | 230 | 437 | 97 | 0.43 | 2.40 | 641 |
| 2008 | 20 | 141 | 73 | 214 | 99 | 0.88 | 2.52 | 308 |
| New Guinea Impatiens | | | | | | | | |
| 2004 | 199 | 3,642 | 343 | 3,985 | 94 | 1.27 | 3.64 | 5,874 |
| 2005 | 182 | 4,255 | 532 | 4,787 | 95 | 1.25 | 2.94 | 6,883 |
| 2006 | 178 | 4,104 | 267 | 4,371 | 94 | 1.23 | 4.55 | 6,263 |
| 2007 | 172 | 3,954 | 402 | 4,356 | 95 | 1.33 | 3.35 | 6,606 |
| 2008 | 170 | 3,870 | 422 | 4,292 | 94 | 1.39 | 3.34 | 6,789 |

See footnote(s) at end of table.

--continued

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2004-2008 (continued)

| Item | Producers | Quantity sold | | | Percent of sales at wholesale | Wholesale price | | Value of sales at wholesale |
|---|---------------|-----------------------|-----------------------|-------------------|-------------------------------|-----------------------|-----------------------|-----------------------------|
| | | Less than 5 inch pots | 5 inch pots or larger | Total | | Less than 5 inch pots | 5 inch pots or larger | |
| | <i>Number</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>Percent</i> | <i>Dollars</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Pansies/Violas | | | | | | | | |
| 2004 | 50 | 873 | 235 | 1,108 | 98 | 0.46 | 2.17 | 912 |
| 2005 | 59 | 901 | 313 | 1,214 | 98 | 0.44 | 2.82 | 1,279 |
| 2006 | 49 | 1,712 | (¹) | 1,712 | 98 | 1.14 | (¹) | 1,952 |
| 2007 | 50 | 1,239 | 744 | 1,983 | 99 | 0.46 | 2.20 | 2,207 |
| 2008 | 48 | 1,099 | 389 | 1,488 | 99 | 0.82 | 2.74 | 1,967 |
| Petunias | | | | | | | | |
| 2004 | 98 | 1,113 | 1,240 | 2,353 | 92 | 1.25 | 2.46 | 4,442 |
| 2005 | 91 | 1,142 | 1,325 | 2,467 | 93 | 0.89 | 2.70 | 4,594 |
| 2006 | 90 | 1,208 | 991 | 2,199 | 90 | 1.30 | 2.89 | 4,434 |
| 2007 | 96 | 1,441 | 1,075 | 2,516 | 92 | 0.95 | 2.87 | 4,454 |
| 2008 | 104 | 1,629 | 860 | 2,489 | 94 | 1.41 | 3.40 | 5,221 |
| Poinsettias | | | | | | | | |
| 2004 | 86 | 841 | 2,696 | 3,537 | 93 | 1.83 | 4.18 | 12,808 |
| 2005 | 86 | 656 | 2,485 | 3,141 | 91 | 1.89 | 4.15 | 11,553 |
| 2006 | 79 | 530 | 2,284 | 2,814 | 91 | 1.99 | 4.54 | 11,424 |
| 2007 | 72 | 461 | 2,221 | 2,682 | 92 | 2.07 | 5.04 | 12,148 |
| 2008 | 67 | 396 | 1,983 | 2,379 | 93 | 2.13 | 4.58 | 9,926 |
| Roses, florist | | | | | | | | |
| 2004 | 6 | 79 | (¹) | 79 | 96 | 3.20 | (¹) | 253 |
| 2005 | 13 | (¹) | 54 | 54 | 88 | (¹) | 3.86 | 209 |
| 2006 | 18 | 76 | (¹) | 76 | 93 | 3.85 | (¹) | 293 |
| 2007 | 14 | (¹) | 35 | 35 | 86 | (¹) | 6.05 | 212 |
| 2008 | 8 | (¹) | 30 | 30 | 96 | (¹) | 6.56 | 197 |
| Flowering bulbs | | | | | | | | |
| 2004 | 41 | 751 | 1,531 | 2,282 | 98 | 1.46 | 3.21 | 6,011 |
| 2005 | 40 | 6,921 | (¹) | 6,921 | 100 | 1.25 | (¹) | 8,679 |
| 2006 | 42 | 7,472 | (¹) | 7,472 | 100 | 1.29 | (¹) | 9,669 |
| 2007 | 33 | 5,909 | (¹) | 5,909 | 100 | 2.08 | (¹) | 12,308 |
| 2008 | 33 | 7,733 | (¹) | 7,733 | 100 | 1.56 | (¹) | 12,094 |
| Other flowering plants | | | | | | | | |
| 2004 | 58 | 1,500 | 468 | 1,968 | 84 | 1.80 | 4.21 | 4,670 |
| 2005 | 47 | 1,124 | 411 | 1,535 | 84 | 1.46 | 4.18 | 3,359 |
| 2006 | 50 | 1,098 | 498 | 1,596 | 71 | 1.22 | 4.86 | 3,760 |
| 2007 | 39 | 364 | 294 | 658 | 86 | 2.08 | 5.70 | 2,433 |
| 2008 | 43 | 536 | 613 | 1,149 | 89 | 1.47 | 3.72 | 3,068 |
| Other flowering and foliar type bedding plants | | | | | | | | |
| 2004 | 147 | 16,780 | 3,068 | 19,848 | 91 | 1.01 | 3.21 | 26,796 |
| 2005 | 137 | 12,738 | 3,216 | 15,954 | 89 | 1.17 | 3.26 | 25,388 |
| 2006 | 150 | 14,966 | 3,365 | 18,331 | 89 | 1.15 | 3.54 | 29,123 |
| 2007 | 146 | 14,351 | 3,146 | 17,497 | 87 | 1.41 | 4.08 | 33,071 |
| 2008 | 136 | 12,942 | 3,795 | 16,737 | 89 | 1.53 | 3.51 | 33,122 |
| Vegetable type ² | | | | | | | | |
| 2004 | 93 | 3,129 | 343 | 3,472 | 94 | 0.54 | 1.97 | 2,365 |
| 2005 | 96 | 5,448 | 267 | 5,715 | 98 | 0.59 | 2.66 | 3,925 |
| 2006 | 92 | 2,858 | 403 | 3,261 | 94 | 0.56 | 3.61 | 3,055 |
| 2007 | 94 | 6,575 | 874 | 7,449 | 95 | 0.69 | 2.35 | 6,591 |
| 2008 | 98 | 7,656 | 882 | 8,538 | 96 | 0.94 | 2.41 | 9,322 |

¹ Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Herbaceous perennials: Producers, quantity sold, price, and value, 2004-2008

| Item | Producers | Quantity sold | | | | Percent of sales at wholesale | Wholesale price | | | Value of All sales at wholesale |
|--------------|---------------|--------------------|-------------------|---------------------|-------------------|-------------------------------|--------------------|----------------|---------------------|---------------------------------|
| | | Less than 1 gallon | 1 to 2 gallon | 2 gallon and larger | Total | | Less than 1 gallon | 1 to 2 gallon | 2 gallon and larger | |
| | <i>Number</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>1,000 pots</i> | <i>percent</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| Hosta | | | | | | | | | | |
| 2004 | 124 | 676 | 711 | 94 | 1,481 | 88 | 2.01 | 3.58 | 5.26 | 4,399 |
| 2005 | 121 | 431 | 605 | 112 | 1,148 | 86 | 1.53 | 3.38 | 6.37 | 3,418 |
| 2006 | 113 | 928 | 567 | 59 | 1,554 | 90 | 1.77 | 3.38 | 7.52 | 4,003 |
| 2007 | 106 | 1,911 | 808 | 55 | 2,774 | 95 | 1.78 | 4.13 | 7.33 | 7,142 |
| 2008 | 106 | 2,103 | 911 | 48 | 3,062 | 95 | 1.73 | 4.04 | 7.48 | 7,678 |
| Other | | | | | | | | | | |
| 2004 | 147 | 9,780 | 6,824 | 741 | 17,345 | 90 | 1.40 | 3.42 | 6.15 | 41,587 |
| 2005 | 147 | 13,964 | 5,916 | 306 | 20,186 | 92 | 1.09 | 3.54 | 9.11 | 38,951 |
| 2006 | 140 | 8,673 | 6,639 | 301 | 15,613 | 89 | 0.98 | 3.21 | 7.11 | 31,951 |
| 2007 | 127 | 8,184 | 8,007 | 279 | 16,470 | 90 | 1.48 | 3.54 | 6.72 | 42,332 |
| 2008 | 124 | 13,350 | 7,343 | 432 | 21,125 | 92 | 1.36 | 3.71 | 6.70 | 48,293 |

Livestock, Dairy, and Poultry

Livestock: Record highs and lows

| Livestock | Unit | Record high | | Record low | | Year estimates started |
|----------------------------|----------------|-------------|------|------------|-----------|------------------------|
| | | Quantity | Year | Quantity | Year | |
| Cattle and calves | 1,000 head | 2,036 | 1944 | 538 | 1867 | 1867 |
| Cattle on feed | 1,000 head | 210 | 2004 | 57 | 1931 | 1930 |
| Chickens, all ¹ | 1,000 birds | 15,512 | 1944 | 6,190 | 1997 | 1924 |
| Cows, beef | 1,000 head | 239 | 1977 | 24 | 1925,1933 | 1920 |
| Cows, milk | 1,000 head | 1,080 | 1945 | 225 | 1867 | 1867 |
| Eggs ² | Million eggs | 2,653 | 2008 | 1,104 | 1929 | 1924 |
| Hogs and pigs ¹ | 1,000 head | 1,397 | 1943 | 512 | 1934 | 1867 |
| Honey | 1,000 pounds | 11,780 | 1939 | 3,960 | 2006 | 1921 |
| Milk | Million pounds | 7,763 | 2008 | 3,941 | 1927 | 1924 |
| Sheep | 1,000 head | 3,100 | 1867 | 62 | 1999 | 1867 |
| Wool | 1,000 pounds | 8,424 | 1934 | 420 | 2006,2007 | 1934 |

¹ December 1.

² December 1 previous year to November 30.

Cattle and Calves

The January 1, 2009, Michigan cattle herd totaled 1.07 million head, unchanged from a year ago. The milk cow inventory, at 353,000 head, was up 9,000 from the previous year. Milk cow replacement heifers were up 11,000 at 148,000. Beef cows, at 92,000 head, were down 13 percent from last year. Calves on hand were at 200,000, up 4,000 from last year. Beef cow replacement heifers, at 27,000 head, were down 4,000 head. The 2008 calf crop was 375,000 head, unchanged from the previous year. Steer numbers were down 10,000 at 185,000 head. Other heifers

increased to 50,000 from 45,000, while bulls, at 15,000 head, were down 1,000 from last year. Cattle on full feed for slaughter totaled 165,000 head, down 5,000 from last year.

The January 1 Michigan cattle and calf inventory was valued at \$1.23 billion, down 14 percent from January 1, 2008, which was \$1.42 billion. Cash receipts from cattle and calf marketings totaled \$384.9 million, while total liveweight marketed was 494.4 million pounds. The top 5 counties in cattle and calves in 2008 were Huron, Allegan, Sanilac, Clinton, and Ionia.

Cattle and calves: Number on farms by class, January 1, 2005-2009

| Class | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| All cows that have calved | 400 | 415 | 435 | 450 | 445 |
| Beef cows | 93 | 101 | 108 | 106 | 92 |
| Milk cows | 307 | 314 | 327 | 344 | 353 |
| Heifers, 500 pounds and over | 202 | 213 | 205 | 213 | 225 |
| Beef cow replacement | 35 | 31 | 33 | 31 | 27 |
| Milk cow replacement | 120 | 137 | 135 | 137 | 148 |
| Other | 47 | 45 | 37 | 45 | 50 |
| Steers, 500 pounds and over | 200 | 195 | 190 | 195 | 185 |
| Bulls, 500 pounds and over | 18 | 17 | 17 | 16 | 15 |
| Calves, under 500 pounds | 180 | 190 | 213 | 196 | 200 |
| All cattle and calves | 1,000 | 1,030 | 1,060 | 1,070 | 1,070 |

Cattle and calves: Balance sheet, 2004-2008

| Year | All cattle and calves on hand January 1 | Calf crop | Inshipments | Marketings ¹ | | Farm slaughter cattle and calves ² | Deaths | | All cattle and calves on hand following January 1 |
|------|---|-------------------|-------------------|-------------------------|-------------------|---|-------------------|-------------------|---|
| | | | | Cattle | Calves | | Cattle | Calves | |
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| 2004 | 1,030 | 335 | 43 | 304 | 28 | 4 | 24 | 48 | 1,000 |
| 2005 | 1,000 | 350 | 60 | 273 | 31 | 4 | 25 | 47 | 1,030 |
| 2006 | 1,030 | 365 | 68 | 289 | 37 | 4 | 25 | 48 | 1,060 |
| 2007 | 1,060 | 375 | 75 | 325 | 42 | 4 | 23 | 46 | 1,070 |
| 2008 | 1,070 | 375 | 95 | 357 | 42 | 4 | 23 | 44 | 1,070 |

¹ Includes custom slaughter and state outshipments, but excludes inter-farm sales within the State.

² Excludes custom slaughter for farmers at commercial establishments.

Cattle and calves: Production and income, 2004-2008

| Year | Production ¹ | Marketings ² | Average price per cwt | | Value of production | Cash receipts ⁴ | Value of home consumption | Gross income |
|------|-------------------------|-------------------------|-----------------------|----------------|----------------------|----------------------------|---------------------------|----------------------|
| | | | All beef ³ | Calves | | | | |
| | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>Dollars</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> |
| 2004 | 373,604 | 404,800 | 68.70 | 109.00 | 250,766 | 282,708 | 8,600 | 291,308 |
| 2005 | 365,334 | 369,815 | 73.20 | 132.00 | 259,915 | 277,781 | 9,257 | 287,038 |
| 2006 | 379,197 | 396,925 | 71.90 | 134.00 | 266,622 | 294,626 | 9,127 | 303,753 |
| 2007 | 428,409 | 443,590 | 75.80 | 118.00 | 314,853 | 343,331 | 9,835 | 353,166 |
| 2008 | 443,350 | 494,368 | 77.10 | 99.90 | 335,670 | 384,943 | 9,823 | 394,766 |

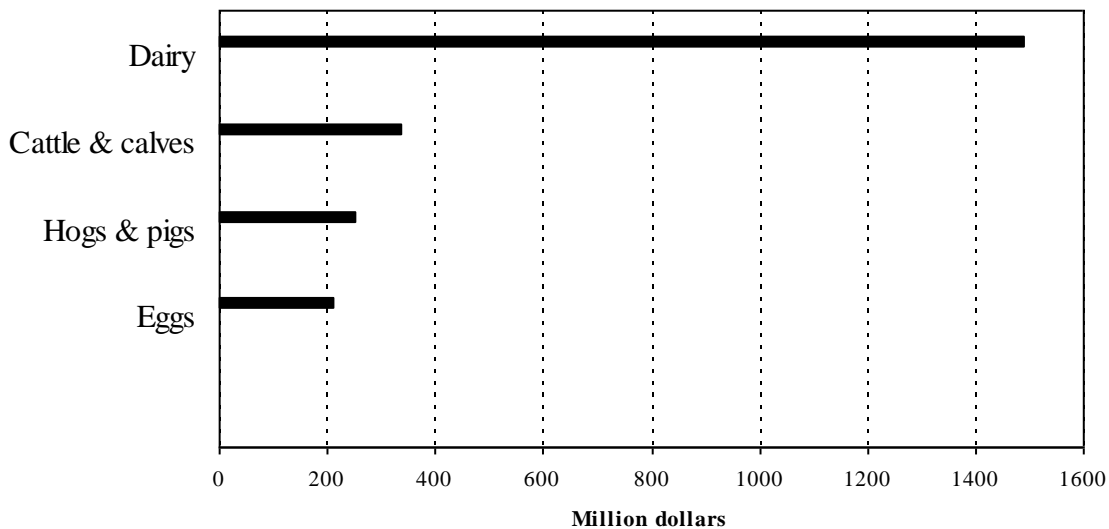
¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the State.

³ Combined price for "Cows" and "Steers and Heifers".

⁴ Receipts from marketings and sale of farm slaughter.

Michigan Livestock: Value of Production, 2008



Dairy

Milk production in Michigan during 2008 was 7,763 million pounds, up 1.8 percent from 2007. Michigan ranked ninth nationally in milk production in 2008, accounting for 4.09 percent of U.S. production. Huron, Clinton, and Allegan were the three top counties in milk cows.

The annual average number of milk cows on Michigan farms during 2008 was 350,000 head, up 15,000 from 2007. Milk

production per cow was 22,180 pounds in 2008, compared with 22,761 pounds during 2007. The average butterfat content was 3.64 percent, up from 3.61 in 2007.

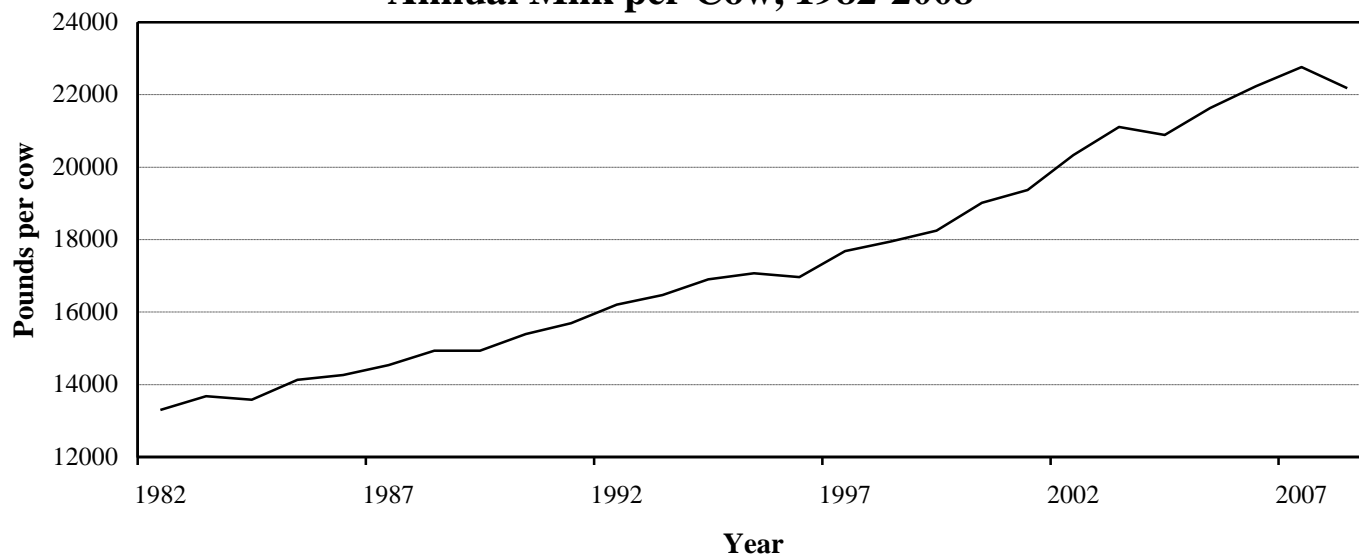
Milk prices during the year averaged \$19.20 per cwt., down \$0.50 from 2007. Cash receipts from milk sales totaled \$1,485.7 million, down .77 percent from 2007. Milk continued as the top ranked Michigan commodity in cash receipts.

Milk: Production, utilization, marketings, and value, 2004-2008

| Item | Unit | 2004 | 2005 | 2006 | 2007 | 2008 |
|--|----------------|-----------|-----------|---------|-----------|-----------|
| Production | | | | | | |
| Total milk produced on farms | Million pounds | 6,330 | 6,750 | 7,115 | 7,625 | 7,763 |
| Milkfat produced | Million pounds | 229.8 | 243.7 | 258.3 | 275.3 | 282.6 |
| Milkfat | Percent | 3.63 | 3.61 | 3.63 | 3.61 | 3.64 |
| Utilization | | | | | | |
| Milk used where produced | | | | | | |
| Fed to calves | Million pounds | 22 | 23 | 23 | 23 | 23 |
| Used for milk, cream, and butter | Million pounds | 3 | 2 | 2 | 2 | 2 |
| Milk marketed by producers | | | | | | |
| Average return per 100 pounds of milk | Dollars | 16.30 | 15.40 | 13.30 | 19.70 | 19.20 |
| Average return per pound milkfat | Dollars | 4.49 | 4.27 | 3.66 | 5.46 | 5.27 |
| Fluid grade | Percent | 99 | 99 | 99 | 100 | 100 |
| Total cash receipts | 1,000 dollars | 1,027,715 | 1,035,650 | 942,970 | 1,497,200 | 1,485,696 |
| Value | | | | | | |
| Value of milk used where produced ¹ | 1,000 dollars | 4,075 | 3,850 | 3,325 | 4,925 | 4,800 |
| Total value of milk produced | 1,000 dollars | 1,031,790 | 1,039,500 | 946,295 | 1,502,125 | 1,490,496 |

¹ Includes value of milk fed to calves and milk used by farm households.

Annual Milk per Cow, 1982-2008



Milk cows: Number by month, 2004-2008

| Month | 2004 | 2005 | 2006 | 2007 | 2008 |
|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| January | 300 | 306 | 314 | 329 | 344 |
| February | 300 | 308 | 314 | 328 | 344 |
| March | 300 | 309 | 316 | 329 | 345 |
| April | 301 | 311 | 318 | 331 | 347 |
| May | 302 | 312 | 320 | 332 | 350 |
| June | 302 | 313 | 322 | 334 | 351 |
| July | 303 | 313 | 322 | 336 | 352 |
| August | 303 | 314 | 320 | 338 | 352 |
| September | 303 | 314 | 321 | 339 | 352 |
| October | 304 | 313 | 321 | 341 | 353 |
| November | 306 | 313 | 323 | 343 | 353 |
| December | 307 | 314 | 326 | 344 | 354 |
| Annual | 303 | 312 | 320 | 335 | 350 |

Milk production: Total by month, 2004-2008

| Month | 2004 | 2005 | 2006 | 2007 | 2008 |
|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> |
| January | 534 | 546 | 593 | 640 | 657 |
| February | 498 | 511 | 542 | 576 | 605 |
| March | 543 | 564 | 602 | 645 | 645 |
| April | 531 | 569 | 588 | 636 | 638 |
| May | 547 | 597 | 614 | 654 | 677 |
| June | 530 | 574 | 601 | 638 | 653 |
| July | 542 | 579 | 610 | 655 | 669 |
| August | 532 | 578 | 589 | 649 | 655 |
| September | 506 | 550 | 578 | 620 | 630 |
| October | 526 | 563 | 589 | 638 | 651 |
| November | 508 | 546 | 585 | 626 | 628 |
| December | 533 | 573 | 624 | 648 | 655 |
| Annual | 6,330 | 6,750 | 7,115 | 7,625 | 7,763 |

Milk: Production per cow, by month, 2004-2008

| Month | 2004 | 2005 | 2006 | 2007 | 2008 |
|-----------|---------------|---------------|---------------|---------------|---------------|
| | <i>Pounds</i> | <i>Pounds</i> | <i>Pounds</i> | <i>Pounds</i> | <i>Pounds</i> |
| January | 1,780 | 1,785 | 1,890 | 1,945 | 1,910 |
| February | 1,660 | 1,660 | 1,725 | 1,755 | 1,760 |
| March | 1,810 | 1,825 | 1,905 | 1,960 | 1,870 |
| April | 1,765 | 1,830 | 1,850 | 1,920 | 1,840 |
| May | 1,810 | 1,915 | 1,920 | 1,970 | 1,935 |
| June | 1,755 | 1,835 | 1,865 | 1,910 | 1,860 |
| July | 1,790 | 1,850 | 1,895 | 1,950 | 1,900 |
| August | 1,755 | 1,840 | 1,840 | 1,920 | 1,860 |
| September | 1,670 | 1,750 | 1,800 | 1,830 | 1,790 |
| October | 1,730 | 1,800 | 1,835 | 1,870 | 1,845 |
| November | 1,660 | 1,745 | 1,810 | 1,825 | 1,780 |
| December | 1,735 | 1,825 | 1,915 | 1,885 | 1,850 |
| Annual | 20,891 | 21,635 | 22,234 | 22,761 | 22,180 |

Dairy Products, by Region, 2004-2008

| Product | Region | 2004 | 2005 | 2006 | 2007 | 2008 |
|---|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> | <i>Million pounds</i> |
| Cheese, total ¹ | Central | 3,943.1 | 3,998.7 | 4,030.8 | 4,081.4 | 4,352.1 |
| Cheese, American type ² | Central | 1,760.5 | 1,773.0 | 1,709.5 | 1,646.6 | 1,856.7 |
| Cheese, Italian ³ | Central | 0.0 | 1,404.2 | 1,503.0 | 1,556.2 | 1,602.6 |
| Butter ³ | Central | 0.0 | 608.2 | 645.3 | 663.4 | 686.4 |
| Cottage cheese, lowfat | ENC | 66.2 | 61.1 | 56.9 | 53.1 | 55.7 |
| Cottage cheese, creamed | ENC | 98.3 | 97.8 | 92.9 | 82.3 | 87.2 |
| Cottage cheese curd | ENC | 98.0 | 100.1 | 87.8 | 84.1 | 87.6 |
| Yogurt, plain and flavored | ENC | 913.0 | 1,014.1 | 1,083.4 | 1,244.2 | 1,193.7 |
| Condensed skim milk, unsweetened, bulk ³ | Central | 0.0 | 249.5 | 303.5 | 393.3 | 379.4 |
| Nonfat dry milk for human food | Central | 154.5 | 194.3 | 159.3 | 160.5 | 190.6 |
| Dry whey for human food | Central | 455.6 | 450.2 | 477.9 | 497.5 | 476.7 |
| | | <i>1,000 gallons</i> | <i>1,000 gallons</i> | <i>1,000 gallons</i> | <i>1,000 gallons</i> | <i>1,000 gallons</i> |
| Ice cream, regular, hard | ENC | 180,192 | 174,049 | 172,269 | 174,411 | 173,374 |
| Ice cream, lowfat, total | ENC | 110,475 | 115,034 | 117,701 | 110,386 | 116,754 |
| Sherbet, hard | ENC | 9,910 | 11,337 | 10,335 | 11,313 | 9,955 |
| Frozen yogurt mix | ENC | 4,294 | 4,210 | 4,066 | 3,808 | 4,211 |
| Ice cream mix, regular | ENC | 99,107 | 95,951 | 92,933 | 100,207 | 99,736 |
| Ice cream mix, lowfat | ENC | 62,374 | 64,670 | 68,485 | 60,982 | 62,250 |
| Sherbet mix | ENC | 6,272 | 7,241 | 6,535 | 7,190 | 6,322 |

¹ Excluding cottage cheese.

² Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Not available at Central district level in 2004.

Central: ND, SD, MN, NB, IA, KS, MO, KY, OK, AK, TN, TX, LA, MS, AL, IL, IN, MI, OH, WI

ENC: IL, IN, MI, OH, and WI

Hogs and Pigs

Michigan ranked fourteenth in the nation in terms of total hog and pig inventory, based on the December 1, 2008 inventory of 1.02 million hogs and pigs. Breeding inventory averaged 10 percent of the total inventory, while market hogs made up the remaining 90 percent.

During the period from December 2007 through November 2008, a total of 211,000 sows farrowed, 1,000 more sows than the previous year. The litter rate averaged 9.51 pigs per litter, up 4

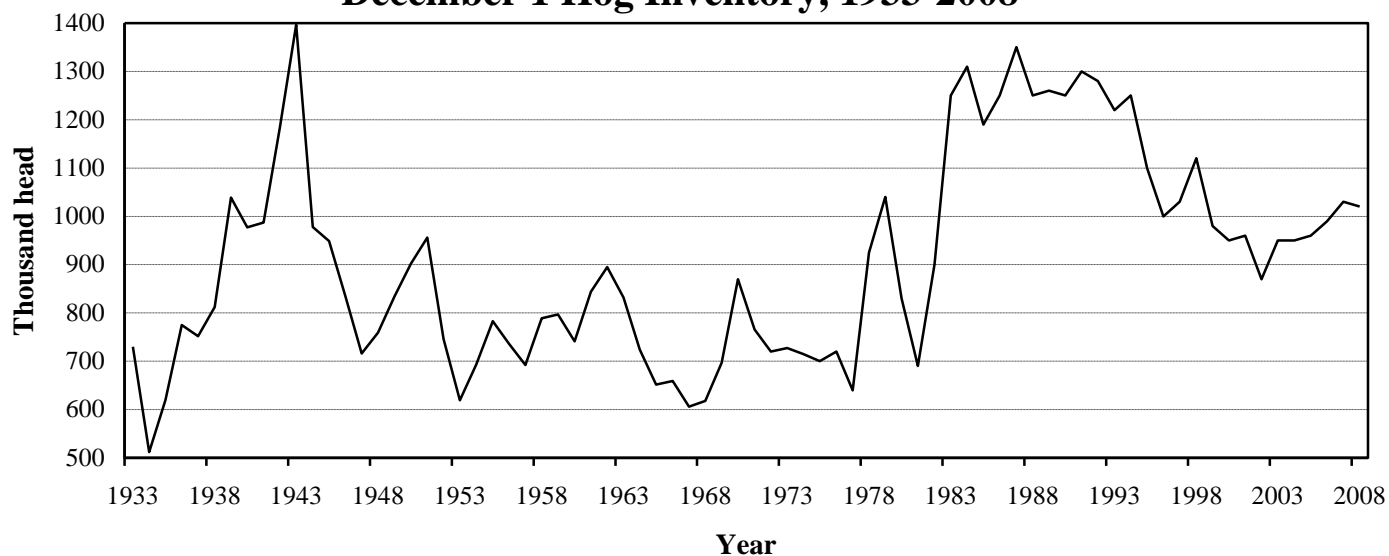
percent from a year earlier. The resulting Michigan 2008 pig crop totaled 2.006 million head, up 5 percent from the previous year.

Michigan hog production totaled 576.1 million pounds in 2008, up 4.7 percent from 2007. Marketings of all hogs and pigs totaled 582.4 million pounds in 2008, up 5 percent from 2007. Michigan hog producers received an average of \$42.50 per cwt for 2008, compared with the 2007 average price of \$41.10 per cwt. Cash receipts generated from hogs and pigs totaled \$250.9 million, up 7.6 percent from a year earlier.

Hogs and pigs: Inventory, 2005-2009

| Month and year | Market hogs and pigs | | | | | Breeding stock | Total hogs and pigs |
|----------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | Under 60 pounds | 60-119 pounds | 120-179 pounds | 180 lbs and over | Total market | | |
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| March 1 | | | | | | | |
| 2005 | 325 | 190 | 160 | 145 | 820 | 100 | 920 |
| 2006 | 315 | 200 | 175 | 170 | 860 | 100 | 960 |
| 2007 | 300 | 210 | 175 | 185 | 870 | 110 | 980 |
| 2008 | 315 | 220 | 170 | 175 | 880 | 100 | 980 |
| 2009 | 350 | 225 | 155 | 190 | 920 | 110 | 1,030 |
| June 1 | | | | | | | |
| 2005 | 310 | 200 | 155 | 145 | 810 | 100 | 910 |
| 2006 | 335 | 195 | 175 | 175 | 880 | 100 | 980 |
| 2007 | 325 | 215 | 190 | 180 | 910 | 110 | 1,020 |
| 2008 | 325 | 230 | 185 | 190 | 930 | 100 | 1,030 |
| September 1 | | | | | | | |
| 2005 | 320 | 195 | 165 | 150 | 830 | 100 | 930 |
| 2006 | 300 | 220 | 180 | 180 | 880 | 100 | 980 |
| 2007 | 335 | 230 | 230 | 185 | 980 | 100 | 1,080 |
| 2008 | 355 | 240 | 185 | 170 | 950 | 100 | 1,050 |
| December 1 | | | | | | | |
| 2005 | 315 | 205 | 175 | 165 | 860 | 100 | 960 |
| 2006 | 295 | 225 | 170 | 190 | 880 | 110 | 990 |
| 2007 | 315 | 235 | 200 | 180 | 930 | 100 | 1,030 |
| 2008 | 310 | 240 | 175 | 185 | 910 | 110 | 1,020 |

December 1 Hog Inventory, 1933-2008



Hogs and pigs: Sows farrowing and pig crop, 2004-2009

| Year | December-February ¹ | | | March-May | | |
|------|--------------------------------|-----------------|-------------------|--------------------|-----------------|-------------------|
| | Sows farrowing | Pigs per litter | Pig crop | Sows farrowing | Pigs per litter | Pig crop |
| | <i>1,000 head</i> | <i>head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>head</i> | <i>1,000 head</i> |
| 2005 | 44 | 9.00 | 396 | 45 | 9.00 | 405 |
| 2006 | 48 | 9.30 | 446 | 47 | 9.20 | 432 |
| 2007 | 49 | 8.75 | 429 | 53 | 9.00 | 477 |
| 2008 | 52 | 9.45 | 491 | 53 | 9.70 | 514 |
| 2009 | 53 | 9.70 | 514 | 53 | 9.65 | 511 |
| | June-August | | | September-November | | |
| 2004 | 48 | 9.20 | 442 | 46 | 9.20 | 423 |
| 2005 | 48 | 9.25 | 444 | 47 | 9.20 | 432 |
| 2006 | 48 | 9.15 | 439 | 50 | 8.95 | 448 |
| 2007 | 55 | 9.20 | 506 | 53 | 9.45 | 501 |
| 2008 | 53 | 9.25 | 490 | 53 | 9.65 | 511 |

¹ December of previous year.

Hogs and pigs: Balance sheet, 2004-2008

| Year | Beginning inventory | Dec-Nov pig crop | Inshipments | Marketings ¹ | Farm slaughter ² | Deaths | Number on hand December 1 |
|-------------------|---------------------|-------------------|-------------------|-------------------------|-----------------------------|-------------------|---------------------------|
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| 2004 | 950 | 1,684 | 345 | 1,957 | 4 | 68 | 950 |
| 2005 | 950 | 1,677 | 255 | 1,854 | 4 | 64 | 960 |
| 2006 | 960 | 1,765 | 186 | 1,846 | 4 | 71 | 990 |
| 2007 | 990 | 1,913 | 233 | 2,024 | 4 | 78 | 1,030 |
| 2008 ³ | 1,030 | 2,006 | 172 | 2,106 | 4 | 78 | 1,020 |

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

³ Categories do not add due to a revision to December 1, 2007 inventory in June 2008.

Hogs and pigs: Production and income, 2004-2008

| Year | Production ¹ | Marketings ² | Average price per cwt | Value of production | Cash receipts ³ | Value of home consumption | Gross income |
|------|-------------------------|-------------------------|-----------------------|----------------------|----------------------------|---------------------------|----------------------|
| | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> |
| 2004 | 488,241 | 507,050 | 45.90 | 220,981 | 238,274 | 465 | 238,739 |
| 2005 | 471,420 | 478,725 | 46.70 | 219,390 | 229,852 | 474 | 230,326 |
| 2006 | 482,308 | 481,060 | 42.00 | 201,668 | 205,669 | 426 | 206,095 |
| 2007 | 549,965 | 558,570 | 41.10 | 223,478 | 233,132 | 438 | 233,570 |
| 2008 | 576,069 | 582,350 | 42.50 | 244,087 | 250,885 | 455 | 251,340 |

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketing and sales of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

Honey

Michigan honey production for 2008 totaled 5.18 million pounds, up 12 percent from 2007. This estimate included honey from producers with 5 or more colonies. Nationally, Michigan ranked seventh in honey production in 2008, up from ninth in 2007. Yields from Michigan's 71,000 colonies producing honey averaged 73 pounds in 2008, compared with 64 pounds the previous year.

Michigan honey price averaged \$1.43 per pound, up 24 cents per pound from last year. Value of production totaled \$7.41 million, up 35 percent from 2007. Honey stocks were 2.02 million pounds, down 14 percent from 2007.

Honey: Production and value, 2004-2008 ¹

| Year | Honey producing colonies | Yield per colony | Production | Price per pound | Value of production | Stocks Dec 15 ² |
|------|--------------------------|------------------|---------------------|-----------------|----------------------|----------------------------|
| | <i>Thousands</i> | <i>Pounds</i> | <i>1,000 pounds</i> | <i>Cents</i> | <i>1,000 dollars</i> | <i>1,000 pounds</i> |
| 2004 | 65 | 67 | 4,355 | 116 | 5,052 | 2,439 |
| 2005 | 65 | 68 | 4,420 | 94 | 4,155 | 2,519 |
| 2006 | 72 | 55 | 3,960 | 115 | 4,554 | 2,099 |
| 2007 | 72 | 64 | 4,608 | 119 | 5,484 | 2,350 |
| 2008 | 71 | 73 | 5,183 | 143 | 7,412 | 2,021 |

¹ Includes only producers with 5 or more colonies.

² Stocks held by producers.

Mink

Mink: Farms, pelts produced and females bred to produce kits, 2005-2009

| Year | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------|---------------|---------------|---------------|---------------|------------------|
| | <i>Number</i> | <i>Number</i> | <i>Number</i> | <i>Number</i> | <i>Number</i> |
| Farms | 7 | 9 | 9 | | (¹) |
| Pelts produced | 55,500 | 54,000 | 52,600 | 45,500 | (¹) |
| Females bred to produce kits | 11,500 | 12,100 | 12,330 | 10,300 | 10,900 |

¹ Published in July 2010.

Poultry

The combined value of production in Michigan from eggs and other chickens (primarily culled layers) during 2008 was \$211.5 million, up 36 percent from a year earlier. Egg production totaled 2.7 billion eggs, up 4 percent from last year. The market egg price

averaged 96 cents per dozen, up 23 cents from 2007. The number of chickens sold was 2.4 million birds in 2007, down 31 percent from last year.

Chickens: Layers on hand, December 1, 2004-2008

| Class | 2004 | 2005 | 2006 | 2007 | 2008 |
|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| Total layers | 7,720 | 8,357 | 9,218 | 9,141 | 9,638 |
| Pullets not of laying age | 1,615 | 1,752 | 2,156 | 1,835 | 1,890 |
| Other chickens | 1 | 1 | 1 | 1 | 1 |
| All chickens (excluding broilers) | 9,336 | 10,110 | 11,375 | 10,977 | 11,529 |

Turkeys: Number raised and production, 2004-2008 ¹

| Year | Number raised ² | Pounds produced |
|-------------------|----------------------------|---------------------|
| | <i>Thousands</i> | <i>1,000 pounds</i> |
| 2004 | 4,900 | 183,750 |
| 2005 | 4,600 | 172,500 |
| 2006 | 4,700 | 178,600 |
| 2007 | 5,100 | 191,760 |
| 2008 ³ | | |

¹ December 1 previous year through November 30.

² Based on turkeys placed Sep 1 through Aug 31. Excludes young turkeys lost.

³ Estimate no longer published.

All eggs: Production and value, 2004-2008 ¹

| Year | Eggs produced | Price per dozen | Value of production |
|------|----------------|-----------------|----------------------|
| | <i>Million</i> | <i>Dollars</i> | <i>1,000 dollars</i> |
| 2004 | 2,009 | 0.563 | 94,313 |
| 2005 | 2,142 | 0.347 | 61,870 |
| 2006 | 2,391 | 0.367 | 73,097 |
| 2007 | 2,563 | 0.727 | 155,371 |
| 2008 | 2,653 | 0.957 | 211,524 |

¹ December 1 previous year through November 30.

All egg production, by month, 2004-2008

| Month | 2004 | 2005 | 2006 | 2007 | 2008 |
|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | <i>Million eggs</i> | <i>Million eggs</i> | <i>Million eggs</i> | <i>Million eggs</i> | <i>Million eggs</i> |
| December | 165 | 174 | 194 | 214 | 225 |
| January | 162 | 163 | 190 | 208 | 217 |
| February | 150 | 160 | 177 | 195 | 204 |
| March | 166 | 185 | 204 | 223 | 226 |
| April | 167 | 176 | 193 | 217 | 215 |
| May | 172 | 188 | 199 | 219 | 216 |
| June | 170 | 187 | 195 | 205 | 213 |
| July | 175 | 186 | 202 | 212 | 226 |
| August | 172 | 179 | 208 | 211 | 227 |
| September | 164 | 177 | 204 | 207 | 221 |
| October | 171 | 182 | 214 | 227 | 233 |
| November | 175 | 185 | 211 | 225 | 230 |
| Total ¹ | 2,009 | 2,142 | 2,391 | 2,563 | 2,653 |

¹ Sum of months may not add to total due to rounding.

All layers: Average number on hand during the month, 2004-2008

| Month | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> | <i>1,000 head</i> |
| December | 7,295 | 7,482 | 8,260 | 9,102 | 9,082 |
| January | 7,447 | 7,389 | 8,169 | 8,901 | 9,032 |
| February | 7,424 | 7,869 | 8,380 | 9,016 | 9,134 |
| March | 7,481 | 8,017 | 8,436 | 9,133 | 9,189 |
| April | 7,397 | 7,954 | 8,192 | 9,090 | 9,149 |
| May | 7,309 | 8,018 | 8,288 | 8,825 | 9,117 |
| June | 7,476 | 8,024 | 8,451 | 8,813 | 9,257 |
| July | 7,652 | 8,022 | 8,521 | 8,941 | 9,331 |
| August | 7,587 | 7,944 | 8,850 | 8,744 | 9,230 |
| September | 7,626 | 7,798 | 9,121 | 8,789 | 9,191 |
| October | 7,613 | 7,770 | 9,117 | 8,950 | 9,348 |
| November | 7,603 | 8,117 | 9,146 | 9,088 | 9,590 |
| Annual ¹ | 7,493 | 7,867 | 8,578 | 8,949 | 9,221 |

¹ December 1 previous year through November 30.

Sheep and Goats

All sheep and lamb inventory in Michigan on January 1, 2009 was estimated at 78,000 head, down 4,000 head from the previous year. The breeding sheep inventory was 60,000 head. Market sheep and lambs totaled 18,000 head, down 1,000 from the previous year. The 2008 Michigan lamb crop (lambs born October 1, 2006 through September 30, 2007) was 65,000 head, down 3,000 from a year ago.

Sheep and lamb value of production was \$4.03 million for 2008. Cash receipts totaled \$4.27 million. All sheep and lambs were valued at \$165 per head, up \$9 from the previous year.

Sheep shorn in 2008 totaled 67,000 head. The weight per fleece was 6.0 pounds, down 0.1 pounds from a year ago. Total wool production in Michigan was 400,000 pounds. Wool production was valued at \$136,000. The average price per pound was \$0.34, down \$0.02 from 2007.

Sheep and lambs: Number on farms by class, January 1, 2005-2009

| Class | 2005 | 2006 | 2007 | 2008 | 2009 |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> |
| Breeding sheep 1 year and older | | | | | |
| Ewes | 46 | 48 | 47 | 48 | 47 |
| Rams | 2 | 3 | 3 | 3 | 3 |
| Replacement lambs | 12 | 12 | 11 | 12 | 10 |
| Total market sheep and lambs | 23 | 21 | 20 | 19 | 18 |
| All sheep and lambs | 83 | 84 | 81 | 82 | 78 |

Sheep and lambs: Lamb crop, 2004-2008

| Year | Breeding ewes ¹ | Lambs per 100 ewes ¹ | Lamb crop |
|------|----------------------------|---------------------------------|-------------------|
| | <i>1,000 Head</i> | <i>Number</i> | <i>1,000 Head</i> |
| 2004 | 45 | 136 | 61 |
| 2005 | 46 | 139 | 64 |
| 2006 | 48 | 123 | 59 |
| 2007 | 47 | 145 | 68 |
| 2008 | 48 | 135 | 65 |

¹ Ewes 1 year and older January 1.

Sheep and lambs: Balance sheet, 2004-2008

| Year | All sheep and lambs on hand January 1 | Lamb crop | Inshipments | Marketings ¹ | | Farm slaughter ² | Deaths | | All sheep and lambs on hand following January 1 |
|------|---------------------------------------|-------------------|-------------------|-------------------------|-------------------|-----------------------------|-------------------|-------------------|---|
| | | | | Sheep | Lambs | | Sheep | Lambs | |
| | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> | <i>1,000 Head</i> |
| 2004 | 84 | 61 | 3.0 | 12.5 | 41.0 | 2.5 | 3.0 | 6.0 | 83 |
| 2005 | 83 | 64 | 2.0 | 5.5 | 45.0 | 2.5 | 4.0 | 8.0 | 84 |
| 2006 | 84 | 59 | 3.0 | 10.5 | 42.0 | 2.5 | 3.0 | 7.0 | 81 |
| 2007 | 81 | 68 | 3.0 | 6.5 | 49.0 | 2.5 | 4.0 | 8.0 | 82 |
| 2008 | 82 | 65 | 2.5 | 9.5 | 49.5 | 2.5 | 3.0 | 7.0 | 78 |

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

Sheep and lambs: Production and income, 2004-2008

| Year | Production ¹ | Marketings ² | Average price per cwt | | Value of production | Cash receipts ³ | Value of home consumption | Gross income |
|------|-------------------------|-------------------------|-----------------------|----------------|----------------------|----------------------------|---------------------------|----------------------|
| | | | Sheep | Lambs | | | | |
| | <i>1,000 pounds</i> | <i>1,000 pounds</i> | <i>Dollars</i> | <i>Dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> | <i>1,000 dollars</i> |
| 2004 | 5,002 | 5,010 | 40.00 | 94.00 | 4,077 | 3,899 | 455 | 4,354 |
| 2005 | 5,078 | 4,620 | 45.00 | 105.00 | 4,697 | 4,455 | 388 | 4,843 |
| 2006 | 4,415 | 4,693 | 36.00 | 87.00 | 3,334 | 3,467 | 321 | 3,788 |
| 2007 | 5,038 | 4,828 | 32.00 | 93.00 | 4,186 | 4,034 | 354 | 4,388 |
| 2008 | 4,935 | 5,258 | 29.00 | 95.00 | 4,027 | 4,274 | 302 | 4,576 |

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketings and sale of farm slaughter.

Sheep and lambs: Wool production and value, 2004-2008

| Year | Sheep shorn | Weight per fleece | Production | Price per pound | Value of production ¹ |
|------|-------------------|-------------------|---------------------|-----------------|----------------------------------|
| | <i>1,000 Head</i> | <i>Pounds</i> | <i>1,000 Pounds</i> | <i>Cents</i> | <i>1,000 Dollars</i> |
| 2004 | 77 | 5.8 | 450 | 45 | 198 |
| 2005 | 81 | 5.9 | 480 | 39 | 187 |
| 2006 | 71 | 6.1 | 430 | 45 | 194 |
| 2007 | 70 | 6.1 | 430 | 36 | 155 |
| 2008 | 67 | 6.0 | 400 | 34 | 136 |

¹ Production multiplied by marketing year average price.

Goats: Number by class, January 1, 2005-2009

| Year | Angora | Milk | Meat and other |
|------|------------------|-------------|----------------|
| | <i>Head</i> | <i>Head</i> | <i>Head</i> |
| 2005 | 1,000.0 | 7,500 | 9,300 |
| 2006 | 1,000.0 | 8,000 | 10,000 |
| 2007 | 1,000.0 | 8,600 | 11,000 |
| 2008 | (¹) | 8,400 | 12,000 |
| 2009 | (¹) | 8,700 | 12,500 |

¹ Not published.

Trout

The value of all trout sold and distributed in Michigan was \$1,027,000 of trout in 2008. This was a \$179,000 increase from last season.

Trout 12 inches or longer had sales of 296,000 pounds with an average liveweight of 1.0 pound per fish. Sales of trout 12 inches or longer were valued at \$864,000 for an average value of \$2.92 per pound.

For trout between 6 and 12 inches and between 1 and 6 inches, information was not published separately to avoid disclosure of individual operations.

Losses of trout in Michigan amounted to 144,000 fish, weighing 75,000 pounds.

The number of operations by State will no longer be published on an annual basis. State level numbers will only be published in conjunction with the Census of Agriculture every five years. The number of operations at the U.S. level will continue to be published on an annual basis. Operations for 2008 were revised at the U.S. and State level based on the Census of Agriculture. No new information is available to revise operations data for prior years.

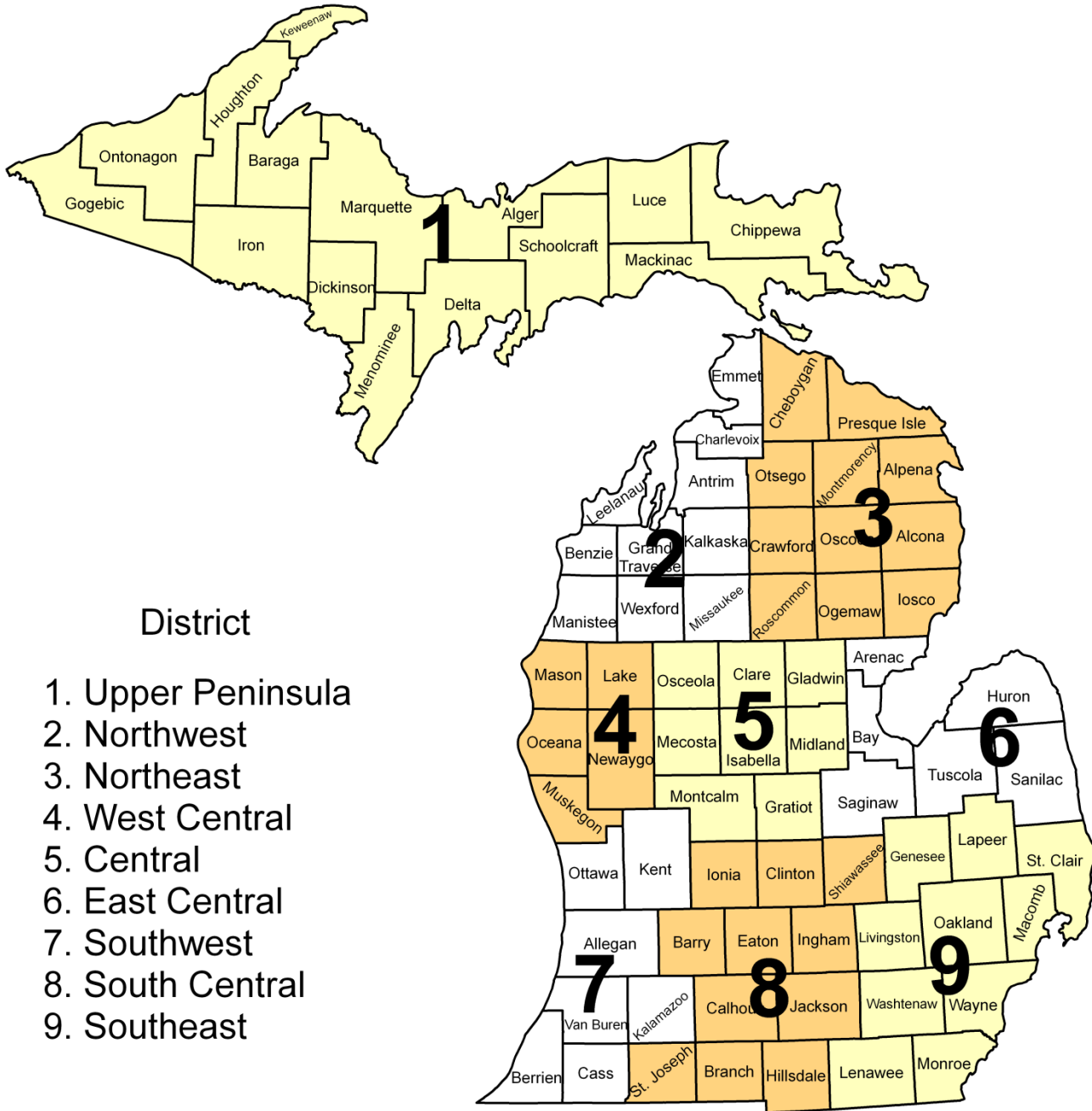
State level numbers for percent sold by point of first sale and trout lost by cause have been discontinued. Distributed trout eggs by region and the U.S. have also been discontinued for 2008.

Trout: Sales, 12 inches or longer , 2004-2008

| Size category | Number of fish sold | Live weight | Sales | |
|---------------|---------------------|--------------|----------------------|-------------------|
| | | | Total | Average per pound |
| | <i>1,000</i> | <i>1,000</i> | <i>1,000 dollars</i> | <i>Dollars</i> |
| 2004 | 285 | 305 | 601 | 1.97 |
| 2005 | 255 | 295 | 634 | 2.15 |
| 2006 | 320 | 304 | 620 | 2.04 |
| 2007 | 240 | 236 | 675 | 2.86 |
| 2008 | 300 | 296 | 864 | 2.92 |

Agricultural Statistics Districts

The State is divided into nine Agricultural Statistics Districts to make data comparison easier. An Agricultural Statistics District is a contiguous group of counties having relatively similar agricultural characteristics. Each district has within it more homogeneous agriculture than the State as a whole. They are numbered from north to south and west to east.



Principal counties for field crops, 2008 ¹

| Rank | Corn for grain | Dry beans | Hay ² | Oats | Soybeans | Sugarbeets | Wheat |
|------|----------------|-----------|------------------|----------------|----------|------------|---------|
| 1 | Huron | Huron | Sanilac | Presque Isle | Sanilac | Huron | Huron |
| 2 | Saginaw | Tuscola | Osceola | Sanilac | Saginaw | Sanilac | Sanilac |
| 3 | Sanilac | Bay | Isabella | Shiawassee | Lenawee | Tuscola | Lenawee |
| 4 | Tuscola | Sanilac | Lapeer | Grand Traverse | Tuscola | Saginaw | Tuscola |
| 5 | Lenawee | Gratiot | Ottawa | Isabella | Gratiot | Bay | Saginaw |

¹Based on total production.

²Based on 2007 Census of Agriculture.

Principal counties for livestock ¹

| Rank | January 1, 2009 Cattle and Calves | January 1, 2008 Hogs and pigs | January 1, 2009 Milk cows |
|------|--------------------------------------|----------------------------------|------------------------------|
| 1 | Huron | Allegan | Huron |
| 2 | Allegan | Cass | Clinton |
| 3 | Sanilac | Branch | Allegan |
| 4 | Clinton | Gratiot | Sanilac |
| 5 | Ionia | Ottawa | Ionia |

¹Based on number of head.

Principal counties for fruits and vegetables, 2007 ¹

| Rank | Apples | Blueberries | Grapes | Tart Cherries | Asparagus | Cucumbers, processing | Snap beans, processing |
|------|-----------|-------------|-----------|----------------|-----------|--------------------------|---------------------------|
| 1 | Kent | Van Buren | Berrien | Oceana | Oceana | Saginaw | St. Joseph |
| 2 | Berrien | Ottawa | Van Buren | Leelanau | Mason | Bay | Branch |
| 3 | Ottawa | Allegan | Cass | Antrim | Van Buren | St. Joseph | Oceana |
| 4 | Van Buren | Muskegon | Leelanau | Grand Traverse | Cass | Montcalm | Tuscola |
| 5 | Oceana | Berrien | Kalamazoo | Berrien | Manistee | Branch | Genesee |

¹Based on acres from 2007 Census of Agriculture.

Barley: Acreage, yield, and production, by county, 2007-2008 ¹

| County and district | 2007 | | | | 2008 | | | |
|-------------------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Alger | | | | | 500 | 450 | 44 | 20 |
| Chippewa | 700 | 700 | 43 | 30 | | | | |
| Delta | 1,500 | 1,500 | 66 | 99 | 1,200 | 1,150 | 36 | 41 |
| Menominee | 2,100 | 2,100 | 48 | 100 | 1,600 | 1,450 | 40 | 58 |
| Other counties ² | 2,500 | 2,500 | 44 | 111 | 1,400 | 1,250 | 41 | 51 |
| Upper Peninsula | 6,800 | 6,800 | 50 | 340 | 4,700 | 4,300 | 40 | 170 |
| Northwest | 500 | 500 | 50 | 25 | 900 | 800 | 41 | 33 |
| Alpena | 500 | 500 | 48 | 24 | | | | |
| Presque Isle | 500 | 450 | 36 | 16 | | | | |
| Other counties ² | 1,200 | 1,150 | 50 | 57 | | | | |
| Northeast | 2,200 | 2,100 | 46 | 97 | 1,900 | 1,700 | 45 | 76 |
| Central | 800 | 800 | 54 | 43 | 1,400 | 1,100 | 50 | 55 |
| East Central | 1,400 | 1,200 | 60 | 72 | 900 | 500 | 66 | 33 |
| South Central | 1,000 | 600 | 50 | 30 | 1,300 | 800 | 59 | 47 |
| Southeast | 700 | 700 | 57 | 40 | | | | |
| Other districts ² | 600 | 300 | 53 | 16 | 900 | 800 | 58 | 46 |
| Michigan | 14,000 | 13,000 | 51 | 663 | 12,000 | 10,000 | 46 | 460 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Corn: Acreage, yield, and production, by county, 2007 ¹

| County and district | Planted for all purposes | Grain | | | Silage | | |
|-----------------------------|--------------------------|--------------|----------------|-----------------|--------------|-------------|-------------|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Tons</i> | <i>Tons</i> |
| Delta | 4,300 | 3,200 | 89 | 285 | 900 | 9.4 | 8,500 |
| Marquette | 700 | | | | | | |
| Menominee | 16,600 | 8,300 | 77 | 640 | 8,000 | 9.6 | 77,000 |
| Other counties ² | 3,400 | 1,500 | 70 | 105 | 2,600 | 9.4 | 24,500 |
| Upper Peninsula | 25,000 | 13,000 | 79 | 1,030 | 11,500 | 9.6 | 110,000 |
| Antrim | 3,600 | 2,600 | 65 | 170 | | | |
| Benzie | 1,500 | 1,000 | 45 | 45 | | | |
| Charlevoix | 3,700 | 2,900 | 81 | 235 | 700 | 14.3 | 10,000 |
| Emmet | 2,600 | 1,600 | 75 | 120 | | | |
| Grand Traverse | 7,600 | 6,300 | 44 | 280 | | | |
| Leelanau | 3,200 | 2,500 | 56 | 140 | | | |
| Manistee | 2,600 | 2,100 | 64 | 135 | | | |
| Missaukee | 17,500 | 6,100 | 94 | 575 | 11,100 | 13.2 | 147,000 |
| Other counties ² | 5,700 | 4,400 | 39 | 170 | 5,700 | 8.9 | 51,000 |
| Northwest | 48,000 | 29,500 | 63 | 1,870 | 17,500 | 11.9 | 208,000 |
| Alpena | 7,700 | 5,000 | 82 | 410 | 2,500 | 12.4 | 31,000 |
| Iosco | 8,800 | 6,800 | 110 | 750 | 1,700 | 12.9 | 22,000 |
| Montmorency | 2,100 | 1,800 | 83 | 150 | | | |
| Ogemaw | 10,000 | 6,900 | 116 | 800 | 2,900 | 14.5 | 42,000 |
| Otsego | 1,000 | 700 | 56 | 39 | | | |
| Presque Isle | 6,400 | 5,300 | 81 | 430 | | | |
| Other counties ² | 5,000 | 2,500 | 76 | 191 | 3,900 | 11.5 | 45,000 |
| Northeast | 41,000 | 29,000 | 96 | 2,770 | 11,000 | 12.7 | 140,000 |
| Mason | 15,000 | 11,300 | 109 | 1,230 | 3,400 | 13.8 | 47,000 |
| Muskegon | 20,700 | 12,800 | 106 | 1,360 | 7,500 | 15.9 | 119,000 |
| Newaygo | 31,200 | 20,300 | 102 | 2,070 | 10,300 | 13.1 | 135,000 |
| Other counties ² | 14,100 | 11,100 | 89 | 990 | 2,800 | 13.9 | 39,000 |
| West Central | 81,000 | 55,500 | 102 | 5,650 | 24,000 | 14.2 | 340,000 |
| Gratiot | 102,000 | 92,500 | 125 | 11,600 | 9,100 | 14.6 | 133,000 |
| Isabella | 49,500 | 43,600 | 117 | 5,080 | 5,600 | 14.3 | 80,000 |
| Mecosta | 24,500 | 20,100 | 100 | 2,020 | 4,200 | 11.4 | 48,000 |
| Midland | 26,500 | 24,900 | 134 | 3,340 | | | |
| Montcalm | 69,000 | 60,600 | 110 | 6,650 | 8,000 | 14.5 | 116,000 |
| Osceola | 9,200 | 4,100 | 98 | 400 | 5,000 | 13.6 | 68,000 |
| Other counties ² | 14,300 | 11,200 | 108 | 1,210 | 4,100 | 13.4 | 55,000 |
| Central | 295,000 | 257,000 | 118 | 30,300 | 36,000 | 13.9 | 500,000 |
| Arenac | 21,000 | 19,100 | 115 | 2,200 | | | |
| Bay | 59,000 | 56,800 | 122 | 6,950 | | | |
| Huron | 128,000 | 102,000 | 147 | 15,000 | 25,500 | 17.4 | 444,000 |
| Saginaw | 111,000 | 108,500 | 144 | 15,600 | 1,700 | 18.8 | 32,000 |
| Sanilac | 111,000 | 95,300 | 133 | 12,700 | 15,400 | 15.1 | 232,000 |
| Tuscola | 100,000 | 95,300 | 134 | 12,750 | 4,400 | 13.9 | 61,000 |
| Other counties ² | | | | | 3,500 | 14.6 | 51,000 |
| East Central | 530,000 | 477,000 | 137 | 65,200 | 50,500 | 16.2 | 820,000 |

See footnote(s) at end of table.

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Corn: Acreage, yield, and production, by county, 2007 ¹ (continued)

| County and district | Planted for all purposes | Grain | | | Silage | | |
|-----------------------------|--------------------------|--------------|----------------|-----------------|--------------|-------------|-------------|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Tons</i> | <i>Tons</i> |
| Allegan | 97,000 | 77,600 | 110 | 8,550 | 19,100 | 12.9 | 247,000 |
| Berrien | 49,000 | 47,800 | 137 | 6,550 | | | |
| Cass | 79,000 | 78,100 | 124 | 9,650 | | | |
| Kalamazoo | 59,000 | 55,100 | 109 | 6,000 | | | |
| Kent | 45,000 | 35,500 | 115 | 4,100 | 9,200 | 15.4 | 142,000 |
| Ottawa | 50,000 | 36,500 | 118 | 4,300 | 13,300 | 13.3 | 177,000 |
| Van Buren | 41,000 | 38,400 | 113 | 4,350 | | | |
| Other counties ² | | | | | 7,400 | 14.1 | 104,000 |
| Southwest | 420,000 | 369,000 | 118 | 43,500 | 49,000 | 13.7 | 670,000 |
| Barry | 49,000 | 39,700 | 115 | 4,550 | 9,000 | 15.7 | 141,000 |
| Branch | 96,000 | 93,000 | 114 | 10,600 | | | |
| Calhoun | 88,000 | 83,900 | 109 | 9,150 | 3,900 | 14.9 | 58,000 |
| Clinton | 84,000 | 66,100 | 124 | 8,200 | 17,500 | 17.3 | 303,000 |
| Eaton | 68,000 | 66,000 | 118 | 7,800 | | | |
| Hillsdale | 79,000 | 71,500 | 113 | 8,100 | 7,300 | 15.3 | 112,000 |
| Ingham | 58,000 | 52,700 | 118 | 6,200 | 5,100 | 14.5 | 74,000 |
| Ionia | 86,000 | 73,000 | 132 | 9,600 | 12,800 | 15.2 | 195,000 |
| Jackson | 62,000 | 57,100 | 103 | 5,900 | 4,500 | 12.9 | 58,000 |
| St Joseph | 91,000 | 87,600 | 138 | 12,100 | 3,100 | 14.8 | 46,000 |
| Shiawassee | 64,000 | 59,400 | 130 | 7,700 | 4,300 | 17.4 | 75,000 |
| Other counties ² | | | | | 4,500 | 15.1 | 68,000 |
| South Central | 825,000 | 750,000 | 120 | 89,900 | 72,000 | 15.7 | 1,130,000 |
| Genesee | 34,000 | 32,800 | 120 | 3,950 | | | |
| Lapeer | 41,500 | 36,700 | 110 | 4,050 | 4,800 | 13.5 | 65,000 |
| Lenawee | 115,000 | 104,500 | 144 | 15,100 | 10,000 | 17.8 | 178,000 |
| Livingston | 23,000 | 20,600 | 107 | 2,200 | 2,200 | 14.1 | 31,000 |
| Macomb | 13,500 | 12,700 | 110 | 1,400 | | | |
| Monroe | 74,000 | 73,300 | 154 | 11,300 | 500 | 18.0 | 9,000 |
| St Clair | 32,000 | 30,100 | 111 | 3,350 | 1,800 | 10.6 | 19,000 |
| Washtenaw | 47,000 | 44,700 | 128 | 5,700 | 2,200 | 14.5 | 32,000 |
| Other counties ² | 5,000 | 4,600 | 120 | 550 | 2,000 | 13.0 | 26,000 |
| Southeast | 385,000 | 360,000 | 132 | 47,600 | 23,500 | 15.3 | 360,000 |
| Michigan | 2,650,000 | 2,340,000 | 123 | 287,820 | 295,000 | 14.5 | 4,278,000 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Corn: Acreage, yield, and production, by county, 2008 ¹

| County and district | Planted for all purposes | Grain | | | Silage | | |
|-----------------------------|--------------------------|--------------|----------------|-----------------|--------------|-------------|-------------|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Tons</i> | <i>Tons</i> |
| Delta | 3,500 | 2,200 | 64 | 140 | 1,300 | 15.5 | 20,000 |
| Menominee | 16,500 | 8,900 | 76 | 675 | 7,500 | 11.0 | 84,000 |
| Other counties ² | 4,000 | 1,800 | 58 | 105 | 2,200 | 12.0 | 26,000 |
| Upper Peninsula | 24,000 | 12,900 | 71 | 920 | 11,000 | 12.0 | 130,000 |
| Antrim | 3,600 | 2,700 | 81 | 220 | | | |
| Benzie | 1,700 | 1,400 | 79 | 110 | | | |
| Charlevoix | 2,900 | 2,400 | 79 | 190 | 500 | 12.0 | 6,000 |
| Emmet | 1,700 | 1,100 | 89 | 98 | | | |
| Grand Traverse | 7,400 | 6,200 | 77 | 480 | | | |
| Leelanau | 2,900 | 2,500 | 84 | 210 | | | |
| Missaukee | 18,800 | 8,800 | 122 | 1,070 | 9,900 | 13.5 | 135,000 |
| Wexford | 5,600 | 4,800 | 83 | 400 | | | |
| Other counties ² | 2,400 | 1,900 | 75 | 142 | 4,600 | 9.6 | 44,000 |
| Northwest | 47,000 | 31,800 | 92 | 2,920 | 15,000 | 12.5 | 185,000 |
| Alpena | 6,700 | 4,600 | 109 | 500 | | | |
| Iosco | 8,000 | 6,200 | 131 | 810 | 1,700 | 17.0 | 29,000 |
| Montmorency | 2,100 | 1,800 | 106 | 190 | | | |
| Ogemaw | 11,100 | 8,000 | 139 | 1,110 | 3,000 | 10.5 | 31,000 |
| Presque Isle | 5,800 | 4,900 | 104 | 510 | | | |
| Other counties ² | 5,300 | 3,300 | 94 | 310 | 5,300 | 13.0 | 70,000 |
| Northeast | 39,000 | 28,800 | 119 | 3,430 | 10,000 | 13.0 | 130,000 |
| Mason | 14,800 | 12,100 | 99 | 1,200 | 2,600 | 16.0 | 42,000 |
| Muskegon | 19,600 | 12,900 | 119 | 1,540 | 6,600 | 13.5 | 90,000 |
| Newaygo | 30,600 | 21,100 | 108 | 2,280 | 9,300 | 16.5 | 155,000 |
| Other counties ² | 15,000 | 12,400 | 91 | 1,130 | 2,500 | 13.0 | 33,000 |
| West Central | 80,000 | 58,500 | 105 | 6,150 | 21,000 | 15.0 | 320,000 |
| Clare | 4,900 | 3,200 | 109 | 350 | | | |
| Gladwin | 8,700 | 7,900 | 138 | 1,090 | | | |
| Gratiot | 92,000 | 84,500 | 138 | 11,700 | 7,200 | 20.0 | 145,000 |
| Isabella | 42,000 | 36,800 | 134 | 4,940 | 5,000 | 14.0 | 70,000 |
| Mecosta | 25,000 | 20,700 | 108 | 2,240 | 4,200 | 13.5 | 56,000 |
| Midland | 23,000 | 21,700 | 151 | 3,280 | | | |
| Montcalm | 65,500 | 58,500 | 126 | 7,390 | 6,700 | 17.5 | 118,000 |
| Osceola | 8,900 | 4,700 | 109 | 510 | 4,200 | 14.0 | 58,000 |
| Other counties ² | | | | | 3,700 | 17.0 | 63,000 |
| Central | 270,000 | 238,000 | 132 | 31,500 | 31,000 | 16.5 | 510,000 |
| Arenac | 20,000 | 18,200 | 165 | 3,000 | | | |
| Bay | 49,000 | 47,200 | 163 | 7,700 | | | |
| Huron | 123,000 | 101,000 | 174 | 17,600 | 21,500 | 21.0 | 450,000 |
| Saginaw | 97,000 | 94,900 | 161 | 15,300 | | | |
| Sanilac | 103,000 | 89,600 | 171 | 15,300 | 13,000 | 19.0 | 250,000 |
| Tuscola | 88,000 | 84,100 | 174 | 14,600 | | | |
| Other counties ² | | | | | 8,500 | 16.5 | 140,000 |
| East Central | 480,000 | 435,000 | 169 | 73,500 | 43,000 | 19.5 | 840,000 |

See footnote(s) at end of table.

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Corn: Acreage, yield, and production, by county, 2008 ¹ (continued)

| County and district | Planted for all purposes | Grain | | | Silage | | |
|-----------------------------|--------------------------|--------------|----------------|-----------------|--------------|-------------|-------------|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Tons</i> | <i>Tons</i> |
| Allegan | 92,000 | 76,100 | 147 | 11,200 | | | |
| Berrien | 44,000 | 42,900 | 148 | 6,350 | | | |
| Cass | 75,000 | 74,300 | 148 | 11,000 | | | |
| Kalamazoo | 55,000 | 52,000 | 120 | 6,250 | | | |
| Kent | 42,000 | 34,400 | 134 | 4,600 | 7,500 | 16.5 | 125,000 |
| Ottawa | 46,000 | 34,900 | 117 | 4,070 | 10,900 | 14.0 | 155,000 |
| Van Buren | 36,000 | 33,900 | 142 | 4,830 | | | |
| Other counties ² | | | | | 21,600 | 18.0 | 390,000 |
| Southwest | 390,000 | 348,500 | 139 | 48,300 | 40,000 | 17.0 | 670,000 |
| Barry | 46,000 | 38,300 | 131 | 5,020 | 7,500 | 18.5 | 140,000 |
| Branch | 83,000 | 80,300 | 122 | 9,820 | | | |
| Calhoun | 75,000 | 71,200 | 109 | 7,730 | 3,500 | 17.0 | 59,000 |
| Clinton | 77,000 | 62,200 | 142 | 8,830 | 14,500 | 20.5 | 300,000 |
| Eaton | 58,000 | 56,400 | 129 | 7,250 | | | |
| Hillsdale | 67,000 | 60,700 | 124 | 7,520 | | | |
| Ingham | 48,000 | 43,400 | 129 | 5,580 | | | |
| Ionia | 81,000 | 70,200 | 148 | 10,400 | 10,500 | 14.5 | 150,000 |
| Jackson | 54,000 | 50,300 | 111 | 5,590 | 3,500 | 15.0 | 52,000 |
| St Joseph | 84,000 | 80,700 | 114 | 9,200 | 2,900 | 22.0 | 64,000 |
| Shiawassee | 57,000 | 53,300 | 147 | 7,860 | 3,500 | 15.0 | 52,000 |
| Other counties ² | | | | | 14,100 | 14.5 | 203,000 |
| South Central | 730,000 | 667,000 | 127 | 84,800 | 60,000 | 17.0 | 1,020,000 |
| Genesee | 33,000 | 32,200 | 138 | 4,430 | | | |
| Lapeer | 40,000 | 36,100 | 150 | 5,420 | | | |
| Lenawee | 99,000 | 90,100 | 134 | 12,100 | 8,500 | 17.5 | 150,000 |
| Livingston | 20,500 | 18,600 | 126 | 2,350 | 1,800 | 14.0 | 25,000 |
| Macomb | 12,500 | 11,800 | 160 | 1,890 | | | |
| Monroe | 59,000 | 58,300 | 139 | 8,130 | | | |
| St Clair | 31,500 | 30,000 | 159 | 4,780 | | | |
| Washtenaw | 41,000 | 39,000 | 110 | 4,280 | 1,800 | 18.5 | 33,000 |
| Other counties ² | 3,500 | 3,400 | 124 | 420 | 6,900 | 16.0 | 112,000 |
| Southeast | 340,000 | 319,500 | 137 | 43,800 | 19,000 | 17.0 | 320,000 |
| Michigan | 2,400,000 | 2,140,000 | 138 | 295,320 | 250,000 | 16.5 | 4,125,000 |

¹ Estimates are not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Dry edible beans, all: Acreage, yield, and production, by county, 2007-2008 ¹

| County and district | 2007 | | | | 2008 | | | |
|-------------------------------------|--------------|--------------|---------------|------------------|--------------|--------------|---------------|------------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Pounds</i> | <i>1,000 cwt</i> | <i>Acres</i> | <i>Acres</i> | <i>Pounds</i> | <i>1,000 cwt</i> |
| Other counties ² | 1,500 | 1,400 | 640 | 9 | 1,200 | 1,100 | 820 | 9 |
| Upper Peninsula | 1,500 | 1,400 | 640 | 9 | 1,200 | 1,100 | 820 | 9 |
| Alpena | 900 | 800 | 880 | 7 | | | | |
| Presque Isle | 800 | 800 | 750 | 6 | | | | |
| Other counties ² | 1,900 | 1,800 | 890 | 16 | | | | |
| Northeast | 3,600 | 3,400 | 850 | 29 | | | | |
| Gratiot | 9,300 | 9,300 | 1,260 | 117 | 9,400 | 9,200 | 1,350 | 124 |
| Isabella | 2,900 | 2,800 | 1,320 | 37 | 2,900 | 2,800 | 1,210 | 34 |
| Midland | 3,100 | 3,000 | 1,730 | 52 | 4,100 | 4,100 | 1,390 | 57 |
| Montcalm | 7,800 | 7,700 | 1,450 | 112 | 9,300 | 9,200 | 1,350 | 124 |
| Other counties ² | 1,500 | 1,500 | 1,270 | 19 | 4,600 | 4,400 | 1,480 | 65 |
| Central | 24,600 | 24,300 | 1,390 | 337 | 27,400 | 26,900 | 1,380 | 370 |
| Arenac | 5,600 | 5,500 | 1,250 | 69 | 5,300 | 5,200 | 1,770 | 92 |
| Bay | 20,000 | 19,400 | 1,550 | 300 | 19,400 | 18,700 | 1,900 | 355 |
| Huron | 78,400 | 77,000 | 1,740 | 1,340 | 79,200 | 77,500 | 2,030 | 1,570 |
| Saginaw | 7,500 | 7,400 | 1,500 | 111 | 6,000 | 5,800 | 1,620 | 94 |
| Sanilac | 17,600 | 17,500 | 1,710 | 300 | 17,000 | 16,300 | 1,870 | 305 |
| Tuscola | 35,900 | 34,200 | 1,610 | 550 | 36,100 | 35,500 | 1,980 | 704 |
| East Central | 165,000 | 161,000 | 1,660 | 2,670 | 163,000 | 159,000 | 1,960 | 3,120 |
| Kent | 1,700 | 1,500 | 1,670 | 25 | 1,500 | 1,400 | 1,710 | 24 |
| Southwest | 1,700 | 1,500 | 1,670 | 25 | 1,500 | 1,400 | 1,710 | 24 |
| Shiawassee | 800 | 700 | 1,570 | 11 | | | | |
| Other counties ² | 1,200 | 1,200 | 1,500 | 18 | 2,000 | 1,900 | 1,530 | 29 |
| South Central | 2,000 | 1,900 | 1,530 | 29 | 2,000 | 1,900 | 1,530 | 29 |
| Other counties ² | 1,100 | 1,000 | 1,700 | 17 | | | | |
| Southeast | 1,100 | 1,000 | 1,700 | 17 | 900 | 800 | 1,750 | 14 |
| Other districts ² | 500 | 500 | 800 | 4 | 4,000 | 3,900 | 1,050 | 41 |
| Michigan | 200,000 | 195,000 | 1,600 | 3,120 | 200,000 | 195,000 | 1,850 | 3,607 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Oats: Acreage, yield, and production, by county, 2007-2008 ¹

| County and district | 2007 | | | | 2008 | | | |
|-----------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Chippewa | 2,400 | 1,700 | 59 | 100 | 1,500 | 1,100 | 46 | 51 |
| Delta | 1,600 | 1,550 | 65 | 100 | | | | |
| Dickinson | 600 | 550 | 45 | 25 | | | | |
| Mackinac | 500 | 500 | 60 | 30 | 500 | 400 | 70 | 28 |
| Menominee | 2,000 | 1,300 | 58 | 75 | 1,900 | 1,500 | 57 | 85 |
| Ontonagon | | | | | 500 | 300 | 53 | 16 |
| Other counties ² | 3,900 | 2,900 | 45 | 130 | 5,100 | 4,500 | 56 | 250 |
| Upper Peninsula | 11,000 | 8,500 | 54 | 460 | 9,500 | 7,800 | 55 | 430 |
| Antrim | | | | | 800 | 800 | 56 | 45 |
| Charlevoix | 500 | 500 | 50 | 25 | 800 | 700 | 71 | 50 |
| Emmet | | | | | 500 | 300 | 47 | 14 |
| Grand Traverse | 1,400 | 1,300 | 40 | 52 | 2,000 | 2,000 | 68 | 135 |
| Leelanau | 500 | 350 | 40 | 14 | 600 | 600 | 58 | 35 |
| Missaukee | 800 | 750 | 51 | 38 | 1,200 | 800 | 44 | 35 |
| Wexford | 500 | 450 | 42 | 19 | 700 | 600 | 58 | 35 |
| Other counties ² | 1,300 | 1,050 | 40 | 42 | 400 | 400 | 28 | 11 |
| Northwest | 5,000 | 4,400 | 43 | 190 | 7,000 | 6,200 | 58 | 360 |
| Alcona | | | | | 700 | 500 | 80 | 40 |
| Alpena | 3,300 | 2,400 | 46 | 110 | | | | |
| Cheboygan | | | | | 500 | 400 | 50 | 20 |
| Iosco | 1,100 | 1,000 | 55 | 55 | 1,600 | 900 | 72 | 65 |
| Ogemaw | 900 | 700 | 50 | 35 | 2,000 | 1,700 | 59 | 100 |
| Presque Isle | 3,800 | 3,800 | 50 | 190 | 3,800 | 3,700 | 69 | 255 |
| Other counties ² | 1,900 | 1,200 | 50 | 60 | 3,400 | 2,600 | 58 | 150 |
| Northeast | 11,000 | 9,100 | 49 | 450 | 12,000 | 9,800 | 64 | 630 |
| Mason | 900 | 700 | 64 | 45 | 1,100 | 900 | 56 | 50 |
| Muskegon | | | | | 700 | 650 | 69 | 45 |
| Newaygo | 900 | 700 | 53 | 37 | 1,100 | 1,000 | 67 | 67 |
| Other counties ² | 1,100 | 900 | 53 | 48 | 600 | 450 | 62 | 28 |
| West Central | 2,900 | 2,300 | 57 | 130 | 3,500 | 3,000 | 63 | 190 |
| Clare | 1,000 | 850 | 47 | 40 | | | | |
| Gladwin | 900 | 800 | 51 | 41 | 900 | 900 | 67 | 60 |
| Gratiot | | | | | 700 | 650 | 54 | 35 |
| Isabella | 1,800 | 1,600 | 64 | 102 | 2,700 | 1,800 | 75 | 135 |
| Mecosta | 3,600 | 1,700 | 47 | 80 | | | | |
| Montcalm | 4,000 | 2,300 | 42 | 97 | | | | |
| Osceola | 800 | 500 | 34 | 17 | 700 | 600 | 58 | 35 |
| Other counties ² | 900 | 850 | 62 | 53 | 8,000 | 7,050 | 62 | 435 |
| Central | 13,000 | 8,600 | 50 | 430 | 13,000 | 11,000 | 64 | 700 |
| Arenac | 1,200 | 900 | 61 | 55 | 1,700 | 550 | 100 | 55 |
| Bay | | | | | 600 | 200 | 75 | 15 |
| Huron | 1,500 | 1,450 | 81 | 117 | 2,100 | 1,000 | 95 | 95 |
| Sanilac | 2,400 | 1,850 | 72 | 133 | 3,500 | 2,700 | 85 | 230 |
| Tuscola | 1,500 | 1,200 | 50 | 60 | | | | |
| Other counties ² | 900 | 800 | 69 | 55 | 2,100 | 1,950 | 79 | 155 |
| East Central | 7,500 | 6,200 | 68 | 420 | 10,000 | 6,400 | 86 | 550 |

See footnote(s) at end of table.

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Oats: Acreage, yield, and production, by county, 2007-2008 ¹ (continued)

| County and district | 2007 | | | | 2008 | | | |
|-----------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Allegan | 800 | 600 | 58 | 35 | 1,100 | 850 | 59 | 50 |
| Kent | 1,100 | 1,050 | 48 | 50 | 1,200 | 900 | 67 | 60 |
| Ottawa | 500 | 400 | 55 | 22 | 600 | 150 | 67 | 10 |
| Other counties ² | 800 | 650 | 51 | 33 | 1,100 | 700 | 57 | 40 |
| Southwest | 3,200 | 2,700 | 52 | 140 | 4,000 | 2,600 | 62 | 160 |
| Barry | | | | | 600 | 300 | 83 | 25 |
| Branch | | | | | 500 | 500 | 60 | 30 |
| Calhoun | 900 | 500 | 50 | 25 | | | | |
| Clinton | 2,200 | 1,800 | 86 | 155 | | | | |
| Eaton | 1,200 | 1,050 | 62 | 65 | 1,100 | 900 | 56 | 50 |
| Hillsdale | 900 | 400 | 50 | 20 | 1,300 | 1,200 | 75 | 90 |
| Ionia | 1,100 | 1,100 | 59 | 65 | 1,300 | 1,150 | 78 | 90 |
| Jackson | 800 | 700 | 57 | 40 | 1,000 | 700 | 79 | 55 |
| St Joseph | 1,000 | 200 | 45 | 9 | | | | |
| Shiawassee | 1,700 | 1,500 | 80 | 120 | 2,000 | 1,900 | 82 | 155 |
| Other counties ² | 1,200 | 950 | 54 | 51 | 3,200 | 2,450 | 71 | 175 |
| South Central | 11,000 | 8,200 | 67 | 550 | 11,000 | 9,100 | 74 | 670 |
| Lapeer | 1,100 | 1,000 | 53 | 53 | 1,100 | 1,000 | 71 | 71 |
| Lenawee | | | | | 500 | 400 | 40 | 16 |
| Monroe | 700 | 600 | 88 | 53 | 600 | 500 | 80 | 40 |
| St Clair | 1,100 | 1,000 | 65 | 65 | 900 | 700 | 79 | 55 |
| Washtenaw | 800 | 800 | 68 | 54 | 600 | 400 | 75 | 30 |
| Other counties ² | 1,700 | 1,600 | 53 | 85 | 1,300 | 1,100 | 53 | 58 |
| Southeast | 5,400 | 5,000 | 62 | 310 | 5,000 | 4,100 | 66 | 270 |
| Michigan | 70,000 | 55,000 | 56 | 3,080 | 75,000 | 60,000 | 66 | 3,960 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Soybeans: Acreage, yield, and production, by county, 2007-2008 ¹

| County and district | 2007 | | | | 2008 | | | |
|-----------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Upper Peninsula | 5,100 | 5,000 | 14 | 70 | | | | |
| Antrim | 500 | 500 | 18 | 9 | | | | |
| Charlevoix | 600 | 500 | 16 | 8 | | | | |
| Grand Traverse | 600 | 500 | 10 | 5 | | | | |
| Other counties ² | 500 | 500 | 16 | 8 | | | | |
| Northwest | 2,200 | 2,000 | 15 | 30 | | | | |
| Alpena | 3,800 | 3,800 | 25 | 95 | 3,500 | 3,500 | 31.5 | 110 |
| Iosco | 1,900 | 1,900 | 32 | 60 | 2,100 | 2,000 | 33.0 | 66 |
| Montmorency | 2,200 | 2,100 | 29 | 60 | 2,300 | 2,300 | 35.5 | 82 |
| Ogemaw | 1,000 | 1,000 | 35 | 35 | 900 | 900 | 44.5 | 40 |
| Presque Isle | 3,600 | 3,600 | 22 | 80 | 4,100 | 4,000 | 27.5 | 110 |
| Other counties ² | 700 | 700 | 29 | 20 | 1,100 | 1,100 | 38.0 | 42 |
| Northeast | 13,200 | 13,100 | 27 | 350 | 14,000 | 13,800 | 32.5 | 450 |
| Mason | 3,000 | 3,000 | 35 | 105 | 3,800 | 3,700 | 28.5 | 105 |
| Muskegon | 6,000 | 6,000 | 38 | 225 | 6,100 | 6,100 | 33.5 | 205 |
| Newaygo | 4,500 | 4,400 | 36 | 160 | 5,700 | 5,700 | 30.0 | 170 |
| Oceana | 2,000 | 2,000 | 30 | 60 | 2,400 | 2,300 | 30.5 | 70 |
| West Central | 15,500 | 15,400 | 36 | 550 | 18,000 | 17,800 | 31.0 | 550 |
| Clare | 2,000 | 2,000 | 35 | 70 | | | | |
| Gladwin | 5,000 | 5,000 | 37 | 185 | | | | |
| Gratiot | 78,000 | 77,000 | 38 | 2,920 | 80,000 | 79,700 | 36.0 | 2,880 |
| Isabella | 41,000 | 41,000 | 37 | 1,500 | 42,000 | 42,000 | 36.5 | 1,530 |
| Mecosta | 2,000 | 1,500 | 23 | 34 | 2,200 | 2,200 | 27.5 | 60 |
| Midland | 16,500 | 16,500 | 42 | 700 | 18,000 | 18,000 | 40.5 | 730 |
| Montcalm | 19,000 | 18,500 | 31 | 580 | 20,000 | 19,800 | 35.0 | 690 |
| Osceola | 500 | 500 | 22 | 11 | | | | |
| Other counties ² | | | | | 7,800 | 7,800 | 38.5 | 300 |
| Central | 164,000 | 162,000 | 37 | 6,000 | 170,000 | 169,500 | 36.5 | 6,190 |
| Arenac | 13,000 | 13,000 | 38 | 500 | 14,000 | 13,900 | 44.0 | 610 |
| Bay | 31,000 | 31,000 | 42 | 1,300 | 38,000 | 37,500 | 47.0 | 1,760 |
| Huron | 36,000 | 35,800 | 45 | 1,600 | 40,000 | 40,000 | 48.5 | 1,940 |
| Saginaw | 85,000 | 85,000 | 44 | 3,700 | 92,000 | 92,000 | 42.5 | 3,920 |
| Sanilac | 123,000 | 122,800 | 41 | 5,000 | 116,000 | 115,800 | 44.5 | 5,170 |
| Tuscola | 62,000 | 61,900 | 40 | 2,500 | 70,000 | 69,800 | 48.0 | 3,350 |
| East Central | 350,000 | 349,500 | 42 | 14,600 | 370,000 | 369,000 | 45.5 | 16,750 |
| Allegan | 43,000 | 42,800 | 39 | 1,650 | 44,000 | 43,800 | 35.5 | 1,560 |
| Berrien | 41,000 | 41,000 | 44 | 1,800 | 45,000 | 44,900 | 44.5 | 2,000 |
| Cass | 42,000 | 41,800 | 44 | 1,850 | 49,000 | 48,800 | 33.5 | 1,630 |
| Kalamazoo | 30,000 | 30,000 | 40 | 1,200 | 33,000 | 32,900 | 32.0 | 1,050 |
| Kent | 21,000 | 21,000 | 40 | 850 | 24,000 | 23,900 | 34.5 | 820 |
| Ottawa | 19,000 | 18,900 | 40 | 750 | 20,000 | 19,900 | 34.5 | 690 |
| Van Buren | 24,000 | 23,500 | 38 | 900 | 25,000 | 24,800 | 32.5 | 800 |
| Southwest | 220,000 | 219,000 | 41 | 9,000 | 240,000 | 239,000 | 36.0 | 8,550 |
| Barry | 29,000 | 28,900 | 38 | 1,100 | 28,000 | 27,500 | 31.5 | 870 |
| Branch | 62,000 | 62,000 | 40 | 2,500 | 72,000 | 71,800 | 30.5 | 2,190 |
| Calhoun | 62,000 | 61,900 | 40 | 2,500 | 73,000 | 72,600 | 27.5 | 1,980 |
| Clinton | 69,000 | 68,900 | 39 | 2,700 | 67,000 | 66,800 | 39.0 | 2,610 |
| Eaton | 61,000 | 61,000 | 42 | 2,550 | 67,000 | 65,000 | 33.5 | 2,170 |
| Hillsdale | 66,000 | 65,900 | 39 | 2,550 | 76,000 | 75,600 | 32.5 | 2,460 |
| Ingham | 51,000 | 51,000 | 41 | 2,100 | 53,000 | 52,800 | 34.5 | 1,830 |
| Ionia | 54,000 | 53,900 | 41 | 2,200 | 55,000 | 54,800 | 37.0 | 2,040 |
| Jackson | 36,000 | 35,800 | 38 | 1,350 | 42,000 | 41,700 | 26.5 | 1,110 |
| St Joseph | 45,000 | 44,800 | 44 | 1,950 | 50,000 | 49,800 | 41.5 | 2,070 |
| Shiawassee | 75,000 | 74,900 | 40 | 3,000 | 77,000 | 76,600 | 37.5 | 2,870 |
| South Central | 610,000 | 609,000 | 40 | 24,500 | 660,000 | 655,000 | 34.0 | 22,200 |

See footnote(s) at end of table.

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Soybeans: Acreage, yield, and production, by county, 2007-2008 ¹ (continued)

| County and district | 2007 | | | | 2008 | | | |
|------------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Genesee | 40,500 | 40,000 | 38 | 1,500 | 41,000 | 40,800 | 38.0 | 1,550 |
| Lapeer | 44,500 | 44,000 | 34 | 1,500 | 42,000 | 41,800 | 44.0 | 1,830 |
| Lenawee | 104,000 | 103,000 | 47 | 4,800 | 110,000 | 109,500 | 32.0 | 3,500 |
| Livingston | 17,500 | 17,500 | 37 | 650 | 17,000 | 16,900 | 33.0 | 560 |
| Macomb | 24,000 | 23,000 | 33 | 750 | 22,000 | 21,900 | 45.5 | 1,000 |
| Monroe | 71,000 | 71,000 | 42 | 2,950 | 77,000 | 76,600 | 32.0 | 2,460 |
| Oakland | 3,000 | 2,500 | 36 | 90 | 3,000 | 2,900 | 38.0 | 110 |
| St Clair | 69,000 | 68,000 | 35 | 2,400 | 60,000 | 59,800 | 44.5 | 2,660 |
| Washtenaw | 42,500 | 42,000 | 41 | 1,730 | 45,000 | 44,800 | 30.0 | 1,350 |
| Wayne | 4,000 | 4,000 | 33 | 130 | 3,000 | 3,000 | 26.5 | 80 |
| Southeast | 420,000 | 415,000 | 40 | 16,500 | 420,000 | 418,000 | 36.0 | 15,100 |
| Other districts ² | | | | | 8,000 | 7,900 | 17.5 | 140 |
| Michigan | 1,800,000 | 1,790,000 | 40.0 | 71,600 | 1,900,000 | 1,890,000 | 37.0 | 69,930 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Sugarbeets: Acreage, yield, and production, by county, 2007-2008 ¹

| County and district | 2007 | | | | 2008 | | | |
|-------------------------------------|--------------|--------------|-------------|-------------------|--------------|--------------|-------------|-------------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Tons</i> | <i>1,000 Tons</i> | <i>Acres</i> | <i>Acres</i> | <i>Tons</i> | <i>1,000 Tons</i> |
| Northeast | | | | | 300 | 300 | 36.7 | 11 |
| Gladwin | 1,000 | 1,000 | 17.0 | 17 | 900 | 900 | 22.2 | 20 |
| Gratiot | 11,200 | 11,000 | 21.1 | 232 | 10,100 | 10,000 | 24.0 | 240 |
| Isabella | 500 | 500 | 20.0 | 10 | 700 | 700 | 24.3 | 17 |
| Midland | 2,800 | 2,800 | 20.4 | 57 | 3,000 | 3,000 | 26.3 | 79 |
| Montcalm | 500 | 500 | 22.0 | 11 | 400 | 400 | 27.5 | 11 |
| Central | 16,000 | 15,800 | 20.7 | 327 | 15,100 | 15,000 | 24.5 | 367 |
| Arenac | 3,600 | 3,600 | 19.4 | 70 | 3,100 | 3,100 | 28.1 | 87 |
| Bay | 14,800 | 14,700 | 20.6 | 303 | 12,600 | 12,600 | 27.1 | 341 |
| Huron | 52,700 | 52,600 | 24.9 | 1,310 | 45,800 | 45,800 | 28.5 | 1,306 |
| Saginaw | 16,100 | 16,000 | 24.7 | 395 | 15,300 | 15,300 | 28.2 | 432 |
| Sanilac | 20,800 | 20,500 | 22.1 | 453 | 21,200 | 21,100 | 32.2 | 680 |
| Tuscola | 20,000 | 19,900 | 25.6 | 509 | 18,500 | 18,100 | 30.1 | 544 |
| East Central | 128,000 | 127,300 | 23.9 | 3,040 | 116,500 | 116,000 | 29.2 | 3,390 |
| Clinton | 2,250 | 2,250 | 20.0 | 45 | 700 | 500 | 28.0 | 14 |
| Ionia | 500 | 500 | 22.0 | 11 | 500 | 300 | 30.0 | 9 |
| Shiawassee | 750 | 750 | 18.7 | 14 | 1,300 | 1,300 | 30.0 | 39 |
| South Central | 3,500 | 3,500 | 20.0 | 70 | 2,500 | 2,100 | 29.5 | 62 |
| Genesee | | | | | 300 | 300 | 26.7 | 8 |
| Lapeer | 1,000 | 1,000 | 23.0 | 23 | 1,100 | 1,100 | 30.0 | 33 |
| St Clair | | | | | 1,200 | 1,200 | 26.7 | 32 |
| Other counties ² | 1,000 | 1,000 | 20.0 | 20 | | | | |
| Southeast | 2,000 | 2,000 | 21.5 | 43 | 2,600 | 2,600 | 28.1 | 73 |
| Other districts ² | 500 | 400 | 17.5 | 7 | | | | |
| Michigan | 150,000 | 149,000 | 23.4 | 3,487 | 137,000 | 136,000 | 28.7 | 3,903 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Wheat: Acreage, yield, and production, by county, 2007-2008 ¹

| County and district | 2007 | | | | 2008 | | | |
|-----------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Ontonagon | | | | | 700 | 700 | 54.5 | 38 |
| Other counties ² | | | | | 2,200 | 2,100 | 43.5 | 91 |
| Upper Peninsula | 2,800 | 2,600 | 46 | 120 | 2,900 | 2,800 | 46.0 | 129 |
| Grand Traverse | 1,700 | 1,600 | 36 | 57 | 1,800 | 1,800 | 53.0 | 95 |
| Kalkaska | | | | | 700 | 700 | 70.0 | 49 |
| Missaukee | 700 | 700 | 57 | 40 | 1,000 | 1,000 | 63.0 | 63 |
| Other counties ² | 1,400 | 1,400 | 38 | 53 | 1,600 | 1,400 | 39.5 | 55 |
| Northwest | 3,800 | 3,700 | 41 | 150 | 5,100 | 4,900 | 53.5 | 262 |
| Alcona | 1,400 | 1,400 | 64 | 89 | 2,000 | 2,000 | 60.5 | 121 |
| Alpena | 3,200 | 3,200 | 45 | 144 | 5,000 | 5,000 | 43.0 | 215 |
| Iosco | 1,800 | 1,700 | 66 | 113 | 3,000 | 3,000 | 58.0 | 174 |
| Montmorency | 800 | 800 | 54 | 43 | 1,200 | 1,200 | 56.0 | 67 |
| Ogemaw | 1,300 | 1,200 | 74 | 89 | 2,000 | 2,000 | 81.5 | 163 |
| Otsego | 500 | 400 | 50 | 20 | 1,000 | 1,000 | 51.0 | 51 |
| Presque Isle | 3,500 | 3,400 | 52 | 177 | 4,100 | 4,000 | 49.5 | 197 |
| Other counties ² | 200 | 200 | 75 | 15 | 700 | 700 | 38.5 | 27 |
| Northeast | 12,700 | 12,300 | 56 | 690 | 19,000 | 18,900 | 53.5 | 1,015 |
| Mason | 2,700 | 2,500 | 43 | 107 | 4,900 | 4,700 | 65.0 | 305 |
| Muskegon | 3,600 | 2,300 | 48 | 110 | 5,200 | 2,600 | 52.0 | 135 |
| Newaygo | 1,700 | 1,500 | 43 | 65 | | | | |
| Oceana | 2,000 | 1,800 | 43 | 78 | 3,000 | 2,800 | 49.5 | 139 |
| Other counties ² | | | | | 2,900 | 2,200 | 61.5 | 135 |
| West Central | 10,000 | 8,100 | 44 | 360 | 16,000 | 12,300 | 58.0 | 714 |
| Clare | 900 | 900 | 53 | 48 | | | | |
| Gladwin | 1,600 | 1,500 | 69 | 103 | 2,600 | 2,400 | 62.5 | 150 |
| Gratiot | 18,500 | 17,900 | 67 | 1,200 | 25,300 | 24,300 | 72.0 | 1,750 |
| Isabella | 17,300 | 16,900 | 58 | 975 | 21,300 | 21,100 | 72.0 | 1,520 |
| Mecosta | 1,400 | 1,400 | 43 | 60 | 1,900 | 1,900 | 59.5 | 113 |
| Midland | 4,900 | 4,700 | 72 | 340 | 7,000 | 6,900 | 74.0 | 511 |
| Montcalm | 12,500 | 12,400 | 52 | 649 | 14,800 | 14,800 | 63.0 | 932 |
| Osceola | 600 | 500 | 50 | 25 | | | | |
| Other counties ² | | | | | 2,100 | 2,100 | 59.0 | 124 |
| Central | 57,700 | 56,200 | 60 | 3,400 | 75,000 | 73,500 | 69.5 | 5,100 |
| Arenac | 7,800 | 7,700 | 73 | 560 | 10,300 | 10,100 | 73.5 | 740 |
| Bay | 16,000 | 15,700 | 72 | 1,130 | 19,200 | 18,900 | 76.0 | 1,440 |
| Huron | 61,800 | 58,100 | 80 | 4,640 | 67,600 | 65,500 | 87.5 | 5,720 |
| Saginaw | 27,100 | 25,700 | 70 | 1,790 | 32,400 | 31,500 | 74.5 | 2,350 |
| Sanilac | 50,300 | 49,300 | 75 | 3,690 | 68,000 | 67,700 | 77.5 | 5,250 |
| Tuscola | 33,000 | 32,500 | 69 | 2,240 | 39,500 | 38,300 | 75.5 | 2,900 |
| East Central | 196,000 | 189,000 | 74 | 14,050 | 237,000 | 232,000 | 79.5 | 18,400 |
| Allegan | 7,100 | 6,900 | 48 | 329 | 11,200 | 11,000 | 62.5 | 685 |
| Berrien | 4,400 | 4,200 | 51 | 214 | 5,900 | 5,700 | 60.5 | 344 |
| Cass | 4,300 | 4,300 | 50 | 216 | 5,300 | 5,100 | 36.0 | 183 |
| Kalamazoo | 3,800 | 3,800 | 50 | 190 | 6,100 | 5,800 | 54.5 | 317 |
| Kent | 5,900 | 5,800 | 51 | 295 | 7,700 | 7,400 | 60.5 | 447 |
| Ottawa | 5,000 | 4,800 | 47 | 227 | 8,300 | 7,700 | 59.5 | 458 |
| Van Buren | 1,500 | 1,300 | 45 | 59 | 5,500 | 1,900 | 45.5 | 86 |
| Southwest | 32,000 | 31,100 | 49 | 1,530 | 50,000 | 44,600 | 56.5 | 2,520 |

See footnote(s) at end of table.

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Wheat: Acreage, yield, and production, by county, 2007-2008 ¹ (continued)

| County and district | 2007 | | | | 2008 | | | |
|-----------------------------|--------------|--------------|----------------|-----------------|--------------|--------------|----------------|-----------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> | <i>Acres</i> | <i>Acres</i> | <i>Bushels</i> | <i>1,000 Bu</i> |
| Barry | 5,000 | 4,900 | 57 | 280 | 10,300 | 10,000 | 54.5 | 545 |
| Branch | 6,100 | 5,900 | 49 | 292 | 8,300 | 8,100 | 53.5 | 434 |
| Calhoun | 9,400 | 9,100 | 49 | 445 | 11,000 | 10,900 | 56.5 | 614 |
| Clinton | 21,500 | 20,600 | 63 | 1,300 | 26,700 | 26,500 | 70.0 | 1,860 |
| Eaton | 14,800 | 14,600 | 64 | 935 | 21,200 | 20,800 | 55.5 | 1,150 |
| Hillsdale | 13,500 | 12,900 | 54 | 700 | 16,200 | 16,000 | 64.0 | 1,020 |
| Ingham | 17,500 | 17,200 | 66 | 1,130 | 20,700 | 20,600 | 65.5 | 1,350 |
| Ionia | 10,500 | 10,300 | 62 | 640 | 14,700 | 14,600 | 64.0 | 938 |
| Jackson | 7,900 | 7,800 | 51 | 400 | 11,000 | 10,800 | 59.0 | 639 |
| St Joseph | 4,900 | 3,700 | 54 | 198 | 6,400 | 5,600 | 57.0 | 320 |
| Shiawassee | 26,900 | 26,000 | 62 | 1,600 | 30,500 | 30,100 | 64.0 | 1,930 |
| South Central | 138,000 | 133,000 | 60 | 7,920 | 177,000 | 174,000 | 62.0 | 10,800 |
| Genesee | 7,300 | 7,100 | 57 | 407 | 11,600 | 11,400 | 57.5 | 653 |
| Lapeer | 7,200 | 7,000 | 57 | 402 | 15,200 | 14,900 | 69.0 | 1,030 |
| Lenawee | 31,800 | 31,400 | 73 | 2,300 | 40,100 | 40,000 | 75.5 | 3,010 |
| Livingston | 7,400 | 7,300 | 55 | 398 | 9,100 | 9,000 | 56.0 | 504 |
| Macomb | 2,500 | 2,300 | 57 | 132 | 6,300 | 6,200 | 65.5 | 406 |
| Monroe | 22,000 | 21,300 | 71 | 1,520 | 27,600 | 27,500 | 70.0 | 1,920 |
| Oakland | | | | | 1,400 | 1,400 | 61.5 | 86 |
| St Clair | 5,100 | 4,300 | 66 | 285 | 19,600 | 19,500 | 72.5 | 1,410 |
| Washtenaw | 12,300 | 11,900 | 59 | 708 | 16,600 | 16,600 | 61.0 | 1,010 |
| Wayne | | | | | 500 | 500 | 42.0 | 21 |
| Other counties ² | 1,400 | 1,400 | 56 | 78 | | | | |
| Southeast | 97,000 | 94,000 | 66 | 6,230 | 148,000 | 147,000 | 68.5 | 10,050 |
| Michigan | 550,000 | 530,000 | 65 | 34,450 | 730,000 | 710,000 | 69.0 | 48,990 |

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Cropland and Pasture Cash Rents 2008

| County and district | Non-irrigated | Irrigated | Pasture | County and district | Non-irrigated | Irrigated | Pasture |
|-----------------------------|-------------------------|-------------------------|-------------------------|------------------------------|-------------------------|-------------------------|-------------------------|
| | <i>Dollars per acre</i> | <i>Dollars per acre</i> | <i>Dollars per acre</i> | | <i>Dollars per acre</i> | <i>Dollars per acre</i> | <i>Dollars per acre</i> |
| Chippewa | 17.50 | | | Allegan | 84.00 | | |
| Delta | 20.00 | | | Berrien | 75.50 | | |
| Menominee | 24.00 | | | Cass | 70.00 | | |
| Other counties ¹ | 19.50 | | | Kalamazoo | 77.50 | | |
| Upper Peninsula | 20.00 | | | Kent | 73.50 | | |
| Missaukee | 37.00 | | | Ottawa | 79.50 | | |
| Other counties ¹ | 29.50 | | | Van Buren | 77.50 | | |
| Northwest | 31.00 | | | Other counties ¹ | | 117.00 | 46.00 |
| | | | | Southwest | 77.50 | 117.00 | 46.00 |
| Alpena | 24.50 | | | Barry | 76.50 | | |
| Ogemaw | 28.50 | | | Branch | 75.00 | | |
| Presque Isle | 30.00 | | | Calhoun | 63.00 | | |
| Other counties ¹ | 20.00 | | | Clinton | 93.50 | | |
| Northeast | 24.00 | | | Eaton | 78.50 | | |
| Muskegon | 69.50 | | | Hillsdale | 77.00 | | |
| Newaygo | 50.00 | | | Ingham | 69.50 | | |
| Oceana | 57.00 | | | Ionia | 88.00 | | |
| Other counties ¹ | 33.00 | | | Jackson | 58.50 | | |
| West Central | 52.00 | | | St Joseph | 86.50 | 196.00 | |
| | | | | Shiawassee | 68.50 | | |
| Clare | 43.00 | | | Other counties ¹ | | 142.00 | 45.00 |
| Gladwin | 45.00 | | | South Central | 77.00 | 147.00 | 45.00 |
| Gratiot | 99.50 | | | | | | |
| Isabella | 62.00 | | | Genesee | 55.50 | | |
| Mecosta | 37.50 | | | Lapeer | 51.50 | | |
| Midland | 85.50 | | | Lenawee | 105.00 | | |
| Montcalm | 57.50 | | | Livingston | 47.50 | | |
| Osceola | 35.00 | | | Macomb | 48.50 | | |
| Other counties ¹ | | | 32.00 | Monroe | 95.00 | | |
| Central | 67.50 | | 32.00 | St Clair | 55.00 | | |
| | | | | Washtenaw | 63.50 | | |
| Arenac | 67.50 | | | Other counties ¹ | 69.50 | | 42.00 |
| Bay | 102.00 | | | Southeast | 75.00 | | 42.00 |
| Huron | 122.00 | | | | | | |
| Saginaw | 101.00 | | | Other Districts ¹ | | 110.00 | 26.00 |
| Sanilac | 66.00 | | | | | | |
| Tuscola | 106.00 | | | Michigan | 75.00 | 120.00 | 37.00 |
| East Central | 97.50 | | | | | | |

¹ Not published separately because of insufficient data or to avoid disclosure of individual operations.

Cattle: January 1, by county, 2008-2009 ¹

| County and district | All cattle and calves | | Milk cows | | County and district | All cattle and calves | | Milk cows | |
|-----------------------------|-----------------------|-------------|-------------|-------------|-----------------------------|-----------------------|-------------|-------------|-------------|
| | 2008 | 2009 | 2008 | 2009 | | 2008 | 2009 | 2008 | 2009 |
| | <i>Head</i> | <i>Head</i> | <i>Head</i> | <i>Head</i> | | <i>Head</i> | <i>Head</i> | <i>Head</i> | <i>Head</i> |
| Alger | 1,800 | 1,700 | | 500 | Arenac | 7,100 | 7,000 | 2,800 | 2,900 |
| Baraga | 1,500 | 1,100 | | | Bay | 5,000 | 4,500 | 1,800 | 1,600 |
| Chippewa | 8,600 | 8,700 | 1,100 | 1,100 | Huron | 105,500 | 105,000 | 27,500 | 31,200 |
| Delta | 8,200 | 8,100 | 1,700 | 1,700 | Saginaw | 9,400 | 9,000 | 2,500 | 2,300 |
| Dickinson | 2,800 | 2,600 | 550 | 600 | Sanilac | 54,000 | 50,500 | 21,500 | 21,600 |
| Houghton | 1,000 | 1,100 | | | Tuscola | 20,000 | 19,000 | 4,400 | 4,900 |
| Iron | 1,800 | 1,600 | | | East Central | 201,000 | 195,000 | 60,500 | 64,500 |
| Mackinac | 2,800 | 2,400 | 800 | 900 | Allegan | 50,800 | 50,800 | 19,000 | 22,600 |
| Marquette | 2,100 | 2,000 | | 700 | Berrien | 4,600 | 4,900 | 1,400 | 1,500 |
| Menominee | 17,400 | 17,000 | 7,000 | 6,900 | Cass | 6,000 | 6,000 | 500 | 500 |
| Ontonagon | 2,700 | 2,500 | | | Kalamazoo | 11,200 | 12,000 | | |
| Schoolcraft | 1,300 | 1,200 | | | Kent | 30,000 | 29,000 | 10,100 | 7,700 |
| Other counties ² | 1,000 | 1,000 | 1,850 | 600 | Ottawa | 42,200 | 42,500 | 12,100 | 12,400 |
| Upper Peninsula | 53,000 | 51,000 | 13,000 | 13,000 | Van Buren | 10,200 | 9,800 | | |
| Antrim | 4,300 | 4,100 | 600 | 500 | Other counties ² | | | 9,900 | 10,300 |
| Benzie | 1,500 | 1,400 | | | Southwest | 155,000 | 155,000 | 53,000 | 55,000 |
| Charlevoix | 3,400 | 3,600 | 600 | 600 | Barry | 26,000 | 27,000 | 11,000 | 11,700 |
| Emmet | 5,000 | 5,000 | 600 | 600 | Branch | 12,000 | 12,000 | 3,200 | 3,600 |
| Grand Traverse | 4,700 | 4,100 | | | Calhoun | 14,000 | 14,000 | 3,700 | 4,300 |
| Kalkaska | 1,100 | 1,100 | | | Clinton | 47,000 | 46,000 | 22,500 | 23,500 |
| Leelanau | 3,000 | 3,000 | | | Eaton | 9,000 | 9,500 | 1,800 | |
| Manistee | 2,600 | 2,500 | | | Hillsdale | 21,800 | 25,000 | 10,200 | 11,400 |
| Missaukee | 27,500 | 27,500 | 12,800 | 13,300 | Ingham | 18,000 | 18,500 | 5,400 | 6,000 |
| Wexford | 3,900 | 4,700 | 500 | 700 | Ionia | 43,000 | 45,000 | 17,000 | 16,000 |
| Other counties ² | | | 900 | 800 | Jackson | 19,700 | 19,000 | 3,400 | 3,900 |
| Northwest | 57,000 | 57,000 | 16,000 | 16,500 | St Joseph | 10,500 | 10,000 | 4,800 | |
| Alcona | 5,500 | 6,000 | 1,400 | 1,500 | Shiawassee | 15,000 | 16,000 | 6,000 | 2,900 |
| Alpena | 9,800 | 8,900 | 3,500 | 3,300 | Other counties ² | | | | 6,700 |
| Cheboygan | 5,700 | 6,100 | 1,100 | 1,000 | South Central | 236,000 | 242,000 | 89,000 | 90,000 |
| Iosco | 7,800 | 9,200 | 2,000 | 2,100 | Genesee | 7,500 | 7,500 | 1,500 | 1,500 |
| Montmorency | 3,000 | 3,400 | 600 | 600 | Lapeer | 17,000 | 17,000 | 3,300 | 3,600 |
| Ogemaw | 13,700 | 15,000 | 5,800 | 5,800 | Lenawee | 29,000 | 32,000 | 10,500 | 10,900 |
| Oscoda | 3,300 | 3,400 | | | Livingston | 9,000 | 9,000 | 2,900 | 2,900 |
| Otsego | 2,300 | 2,200 | | | Macomb | 3,800 | 3,500 | 700 | 700 |
| Presque Isle | 6,300 | 6,200 | 1,300 | 1,400 | Monroe | 4,000 | 4,000 | | |
| Other counties ² | 600 | 600 | 800 | 800 | Oakland | | 1,500 | | |
| Northeast | 58,000 | 61,000 | 16,500 | 16,500 | St Clair | 11,000 | 11,000 | 1,200 | 1,300 |
| Lake | 1,900 | 2,000 | | | Washtenaw | 12,000 | 12,000 | 2,700 | 2,900 |
| Mason | 8,700 | 8,200 | 2,300 | 2,300 | Wayne | | 500 | | |
| Muskegon | 18,300 | 20,000 | | | Other counties ² | 1,700 | | 700 | 700 |
| Newaygo | 25,000 | 23,000 | 12,900 | 13,400 | Southeast | 95,000 | 98,000 | 23,500 | 24,500 |
| Oceana | 8,100 | 7,800 | 2,400 | 3,100 | Michigan | 1,070,000 | 1,070,000 | 344,000 | 353,000 |
| Other counties ² | | | 6,400 | 6,200 | | | | | |
| West Central | 62,000 | 61,000 | 24,000 | 25,000 | | | | | |
| Clare | 12,000 | 11,000 | 2,500 | 2,500 | | | | | |
| Gladwin | 7,000 | 7,000 | | | | | | | |
| Gratiot | 36,000 | 35,500 | 13,700 | 12,900 | | | | | |
| Isabella | 29,000 | 30,000 | 6,700 | 7,500 | | | | | |
| Mecosta | 15,000 | 13,500 | 4,600 | 4,500 | | | | | |
| Midland | 6,800 | 6,000 | | | | | | | |
| Montcalm | 27,200 | 26,000 | 10,000 | 9,400 | | | | | |
| Osceola | 20,000 | 21,000 | 5,600 | 5,900 | | | | | |
| Other counties ² | | | 5,400 | 5,300 | | | | | |
| Central | 153,000 | 150,000 | 48,500 | 48,000 | | | | | |

¹ Estimates are not published for counties with less than 500 head.

² Not published separately because of insufficient data or to avoid disclosure of individual operations.

Useful Agriculture Internet Sites

State and Federal Agencies

| | |
|--|--|
| AMS-Agricultural Marketing Service, Market News | www.ams.usda.gov/AMSV1.0/marketnews |
| APHIS-Animal and Plant Health Inspection Service | www.aphis.usda.gov |
| ERS-Economic Research Service | www.ers.usda.gov |
| FSA-Farm Service Agency | www.fsa.usda.gov |
| MDA-Michigan Department of Agriculture | www.michigan.gov/mda |
| MSU Extension | www.msue.msu.edu |
| NASS-National Agricultural Statistics Service | www.nass.usda.gov |
| NRCS-Natural Resources Conservation Service | www.nrcs.usda.gov |
| RD-Rural Development | www.rurdev.usda.gov |
| USDA-United States Department of Agriculture | www.usda.gov |
| USDA, NASS, Michigan Field Office | www.nass.usda.gov |

Commodity Groups

| | |
|---|--|
| Apples-Michigan Apple Committee | www.michiganapples.com |
| Asparagus-Michigan Asparagus Advisory Board | www.asparagus.com |
| Bison-Michigan Bison Association | www.michiganbison.com |
| Blueberries-Michigan Blueberry Growers (MBG) Marketing | www.blueberries.com |
| Cattle-Michigan Beef Industry Commission | www.mibeeff.org |
| Celery-Michigan Celery Promotion Cooperative, Inc. | www.michigancelery.com |
| Cherries-Cherry Industry Administrative Board (CIAB) | www.cherryboard.org |
| Cherries-Cherry Marketing Institute | www.choosecherries.com |
| Christmas Trees-Michigan Christmas Tree Association | www.mcta.org |
| Corn-Michigan Corn Growers Association | www.micorn.org |
| Dairy-Michigan Milk Producers Association | www.mimilk.com |
| Dairy-United Dairy Industry of MI | www.udim.org |
| Dry Beans-Michigan Bean Commission | www.michiganbean.org |
| Dry Beans-Michigan Agri-Business Association (MABA) | www.miagbiz.org |
| Floriculture-Michigan Floral Association | www.michiganfloral.org |
| Grapes-Michigan Grape and Wine Industry Council | www.michiganwines.com |
| Horses-Michigan Horse Council | www.michiganhorsecouncil.com |
| Nursery-Michigan Nursery & Landscape Association (MNLA) | www.mnla.org |
| Peaches-Michigan Peach Sponsors | www.michiganpeach.org |
| Pork-National Pork Producers Council (NPPC) | www.nppc.org |
| Potatoes-Michigan Potato Industry Commission | www.mipotato.com |
| Soybeans-Michigan Soybean Promotion Committee (MSPC) | www.michigansoybean.org |
| Turfgrass-Michigan Turfgrass Foundation (MTF) | www.michiganturfgrass.org |
| Turkeys-Michigan Turkey Producers Co-op, Inc. | www.miturkey.com |

Other Related Sites

| | |
|---|--|
| American Farm Bureau Federation | www.fb.org |
| GreenStone Farm Credit Services | www.greenstonefcs.com |
| Michigan Farm Bureau | www.michiganfarmbureau.com |
| Michigan Food and Farming Systems-MIFFS | www.miffs.org |
| Michigan Market Maker | www.mimarketmaker.msu.edu |
| MSU Agriculture Weather Office | www.agweather.geo.msu.edu |

INTERNET ACCESS

Reports, data products, and services published by the USDA, NASS, Michigan Field Office, and National Agricultural Statistics Service of the United States Department of Agriculture are available on the Worldwide Web. There is no charge for connecting to these Internet addresses:

■ USDA, NASS, Michigan Field Office

From the NASS home page, www.nass.usda.gov, click on the Statistics by State dropdown to access the Michigan Internet page.

On the Michigan Internet page, you will find up-to-date data such as Crop-Weather releases, News releases, *Agriculture Across Michigan*, and county estimates.

■ National Agricultural Statistics Service (NASS)

NASS home page at: www.nass.usda.gov

You can access national releases, 2007 Census of Agriculture data, and home pages of **NASS** Field Offices including Michigan from this web site. *Michigan Crop Weather* and national releases by free e-mail subscription are available from this site.

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NASSFax service is available for some reports from your fax machine. Please call 202-720-2000, using the handset attached to your fax. Respond to the voice prompts.

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ASSISTANCE

For assistance or questions regarding Michigan agriculture, call 1-800-453-7501. Further information about NASS or its products or services can be obtained by contacting the Agricultural Statistics HOTLINE at 1-800-727-9540, 7:30 a.m. to 4:30 p.m. ET or e-mail: nass@nass.usda.gov.
