

# Michigan Agricultural Statistics 2006-2007



USDA, NASS  
Michigan  
Field Office



Michigan  
Department of  
Agriculture

## **Acknowledgement of Contributors**

The organizations below contributed to the publication of this bulletin. Their willingness to support Michigan Agriculture and make these data available are sincerely appreciated.

GreenStone Farm Credit Services

Michigan State University Extension

Michigan Farm Bureau

Michigan Agri-Business Association

Michigan Pork Producers Association

Michigan Floral Association

Michigan Cherry Committee

MSU Agricultural Economics Department

Michigan Food and Farming Systems

Michigan Cattleman's Association

# Michigan Agricultural Statistics 2006-2007

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Issued cooperatively by:



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Executive Office  
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September 2007

Michigan is a state steeped in agricultural history and farming tradition. The Michigan Department of Agriculture (MDA) is proud of that history and works diligently to ensure the continued viability of our state's second largest industry, while encouraging growth and innovation.

Michigan agriculture generates \$60.1 billion for the state economy and employs approximately one million residents, which makes our state ripe to take on the challenge of a new, diverse business environment. Additionally, our unique landscape produces more than 200 commercial commodities, making the state second only to California in terms of crop diversity.

We are going back to the future. Automotive legend Henry Ford used soy-based products in the manufacturing of the Model T – everything from gear shifts to steering wheel covers. Michigan is well-positioned to be a leader in the new bio world through the expansion of renewable fuels research and promotion. Significant work has been done in this arena; however, much is yet to be explored. We must creatively utilize our state resources to further grow Michigan's agricultural industry. Alternative fuels is a turning point not only for agriculture, but for our state's economy as well.

While expanding agriculture's presence, 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 10.1 million acres of farmland.

It is a dynamic time to be part of Michigan agriculture and our staff takes great pride in the role they play to secure a fair marketplace for Michigan citizens.

For more information, questions or comments, please contact MDA at 800-282-3939 or [mda-info@michigan.gov](mailto:mda-info@michigan.gov).

Sincerely,

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

Don Koivisto  
Director



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



September 2007

During 2006, Michigan agriculture continued to face challenges with optimism, diligence, and purpose. From a production perspective, the growing season resulted in a very positive outcome for several sectors of agriculture. New record high State average yields were set for corn, soybeans, sugarbeets, and winter wheat. The average value of farm real estate, including land and buildings, also set a new record high. Fruit, vegetable, and nursery production showed more variability but still yielded a generally good year. Milk and livestock prices on average were quite strong. Although grower budgets may have shown a higher gross income, expenses continued to increase as well, particularly for purchased inputs.

Any optimism which developed from the growing season was tempered by the emergency nature of the State fiscal year 2007 budget crisis. The Michigan Department of Agriculture (MDA) budget continued a downward trend, falling another \$22.2 million in 2006. The State Agricultural Statistics program operating within the Executive Division of MDA was cut by 40 percent. On May 1, resources were limited to working on State programs with outside funding. More than 30 Michigan agricultural industry sponsors stepped up to partner with the USDA, National Agricultural Statistics Service (NASS) federal program to provide emergency funding to support the compilation of the 2006-2007 Agricultural Statistics Bulletin, analysis and summary of the 2006-2007 Fruit Rotational Survey, completion of the 2006-2007 Equine Survey, and county estimates for dairy operations and milk production.

Ten sponsors are acknowledged for contributing to the NASS, Michigan Field Office and MDA to make this publication available. Their commitment and generosity shows that "Agriculture Counts" in Michigan. This compiled agriculture data series started in 1886. For it to continue, Michigan agriculture will need creative and responsive new partnerships to address the Agricultural Statistics program State budget shortfall which extends into fiscal year 2008. With confidence, we anticipate a resourceful and creative solution. The publication can be accessed at [www.nass.usda.gov](http://www.nass.usda.gov) under "Statistics by State".

The 2007 Census of Agriculture will be mailed December 28, 2007. It provides a complete count of all Michigan farms. The 2002 information was used to show agriculture provides \$60.1 billion in direct and indirect benefits to Michigan's economy. It provides the only comprehensive agricultural data for each Michigan county. Michigan producers will help themselves and their community by promptly completing the census form. It's their voice, their future, and their responsibility.

Thank you for the opportunity to serve agriculture with timely, accurate, and unbiased information. Comments, suggestions, and questions are welcomed.

Sincerely,

David D. Kleweno  
Director

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**Rank in U.S. agriculture by selected commodities, 2006**

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
<b>1</b>	Beans, dry, black	Cwt	1,670	62.8	Michigan
	Beans, dry, cranberry	Cwt	115	77.2	Michigan
	Beans, dry, small red	Cwt	390	60.1	Michigan
	Blueberries	Pounds	83,000	30.1	Michigan
	Cherries, tart	Pounds	190,000	72.0	Michigan
	Cucumbers (for pickles)	Tons	172.6	34.2	Michigan
	Flowering hanging baskets	Number	5,674	18.4	Michigan
	Geraniums (seed and cuttings)	Pots	23,982	35.4	Michigan
	Impatiens	Flats	2,152	21.6	Michigan
	Petunias	Flats	1,590	21.2	Michigan
<b>2</b>	Beans, dry, all	Cwt	4,085	16.8	North Dakota
	Beans, dry, dark red kidney	Cwt	42	5.1	Minnesota
	Beans, dry, light red kidney	Cwt	175	23.6	Minnesota
	Beans, dry, navy	Cwt	1,520	34.9	North Dakota
	Carrots (fresh market)	Cwt	800	3.0	California
	Celery	Cwt	900	5.0	California
	Hostas	Pots	1,071	12.7	South Carolina
	Marigolds	Flats	760	17.9	California
	Squash	Cwt	1,764	18.6	Georgia
<b>3</b>	Apples	Pounds	850,000	8.6	Washington
	Asparagus	Cwt	257	20.8	California
	Grapes, Niagara	Tons	8.1	15.3	Washington
	Other potted perennials	Pots	15,125	10.8	California
	Vegetable type bedding plants	Flats	648	13.3	Texas
<b>4</b>	Beans, snap (processing)	Tons	66.0	8.4	Wisconsin
	Carrots (processing)	Tons	39.1	9.0	California
	Cherries, sweet	Tons	21.5	7.3	Washington
	Cucumbers (fresh market)	Cwt	884	8.9	Georgia
	Grapes, Concord	Tons	15.4	4.1	Washington
	Plums	Tons	3.6	1.8	California
	Sugarbeets	Tons	3,573	10.6	Minnesota
<b>5</b>	Grapes, all	Tons	32.5	0.5	California
	Maple syrup	Gallons	78	5.4	Vermont
	Pumpkins	Cwt	855	8.4	Illinois
<b>8</b>	Milk	Pounds	7,100,000	3.9	California
<b>10</b>	Potatoes	Cwt	14,190	3.3	Idaho
	Wheat, winter	Bushels	47,450	3.7	Kansas
<b>11</b>	Corn, for grain	Bushels	288,120	2.7	Iowa
<b>12</b>	Soybeans	Bushels	89,550	2.8	Iowa
<b>13</b>	Hogs, as of Dec. 1, 2006	Head	1,000	1.6	Iowa
<b>16</b>	Hay, all	Tons	3,670	2.6	California
<b>21</b>	Cash receipts	Dollars	4,487,765	1.9	California
<b>30</b>	Cattle, as of Jan. 1, 2007	Head	1,060	1.1	Texas

**Number of farms and land in farms by economic sales class, 2002-2006 <sup>1</sup>**

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>						
2002	31.7	15.1	3.2	1.8	1.5	53.3	
2003	31.7	15.1	3.2	1.8	1.5	53.3	
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	
	<i>Million acres</i>	<i>Acres</i>					
2002	1.99	2.66	1.63	1.59	2.22	10.09	189
2003	2.00	2.60	1.65	1.59	2.25	10.09	189
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

<sup>1</sup> 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, 2003-2007**

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>
2003	2,680	2,350	60	1,600
2004	2,920	2,550	62	1,800
2005	3,150	2,750	62	1,950
2006	3,500	3,000	65	2,150
2007	3,950	3,450	73	2,570

## Farm Income

Net farm income in 2006 rose 9 percent from last year to a record high \$1.38 billion. That includes \$248 million of government payments. The total agriculture output was \$5.39 billion dollars, up 5 percent from 2005. Production expenses were \$2.44 billion in 2006, down 3 percent from the previous year.

Preliminary cash receipts from 2006 marketings of Michigan crops, livestock and livestock products totaled \$4.49 billion, up 6 percent from 2005. Michigan ranked 21 nationally in total cash receipts.

Crop receipts, at \$2.83 billion, were up 14 percent from 2005. Increases were noted in the market value of field crops, fruit crops, and vegetables. Livestock cash receipts were down 4 percent from a year earlier to \$1.65 billion.

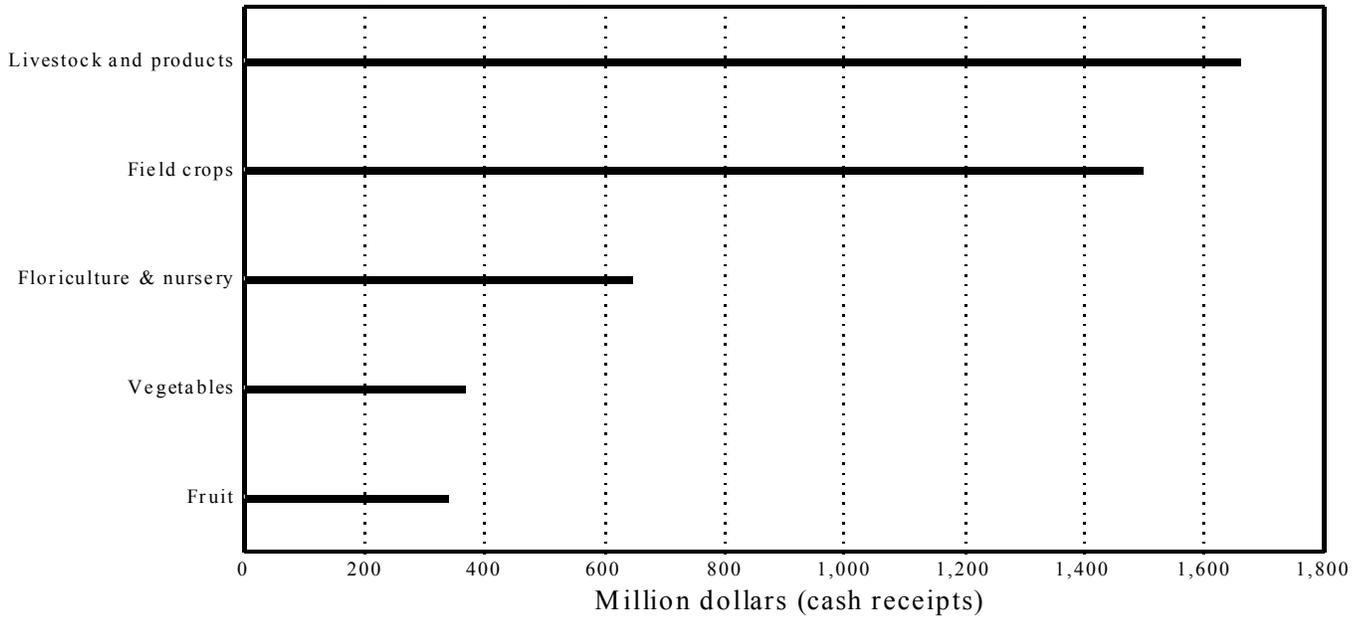
In 2006, the top ten Michigan commodities ranked by cash receipts were milk, floriculture and nursery, corn, soybeans, cattle and calves, hogs, wheat, blueberries, sugarbeets, and hay.

**Government payments, 2002-2006 <sup>1</sup>**

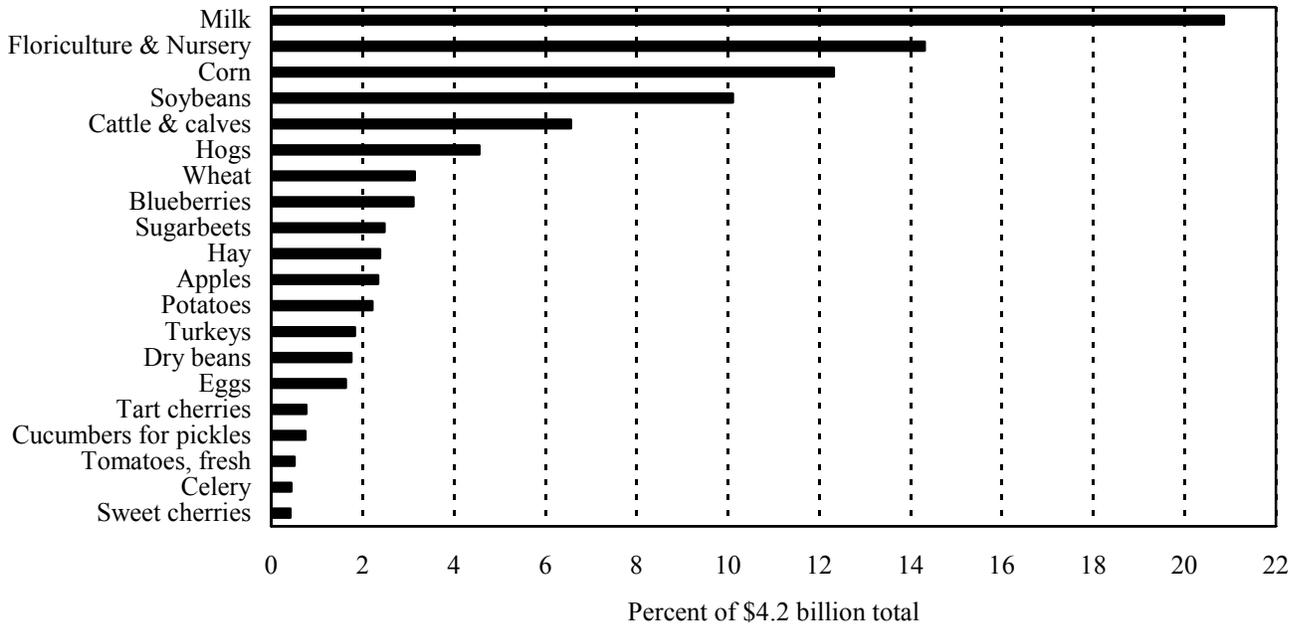
Program	2002	2003	2004	2005	2006
	<i>1,000 dollars</i>				
Conservation programs	28,459	32,084	32,595	41,846	51,279
Production flexibility contract payments	60,211	-5,402	-104	-2	NA
Direct payments	1,707	122,094	89,513	89,782	85,951
Counter-cyclical payments	NA	6,150	5,805	70,996	72,304
Loan deficiency payments	24,391	897	56,370	129,548	15,570
Miscellaneous programs	8,492	118	2,001	7,100	1,891
Ad Hoc and emergency programs	30,285	61,660	20,729	47,859	1,829
Milk income loss payments	36,946	37,992	8,404	542	18,819
Total	190,491	255,593	215,313	387,671	247,643

<sup>1</sup> Source: U.S. Department of Agriculture, Economic Research Service.

## Major Michigan Commodity Groups, 2006



## Top 20 Commodities in Cash Receipts, 2006



**Value added to the economy by the Michigan agricultural sector 2002-2006 <sup>1</sup>**

Item <sup>2</sup>	2002	2003	2004	2005	2006
	<i>Million dollars</i>				
Value of crop production	2,270.6	2,387.7	2,675.9	2,498.5	2,881.1
Food grains	94.4	139.0	118.5	117.0	141.8
Feed crops	438.1	500.6	507.3	469.9	664.2
Oil crops	364.0	421.0	377.5	433.1	454.9
Fruits and tree nuts	156.0	250.9	292.8	277.0	333.0
Vegetables, potatoes, dry beans	400.1	420.2	437.9	399.9	440.4
All other crops	732.2	732.1	783.5	799.1	799.1
Home consumption	6.3	3.9	1.8	2.6	1.3
Value of inventory adjustment <sup>3</sup>	79.6	-80.0	156.7	-0.2	46.4
Value of livestock production	1,286.2	1,452.7	1,750.0	1,773.6	1,705.6
Meat animals	371.7	385.1	522.5	511.5	502.2
Dairy products	733.3	795.7	1,022.8	1,031.0	936.3
Poultry and eggs	133.3	170.3	174.5	136.3	165.3
Miscellaneous livestock	51.7	50.8	49.4	49.0	50.6
Home consumption	2.3	6.3	11.4	8.9	9.8
Value of inventory adjustment <sup>3</sup>	-6.1	44.7	-30.6	36.8	41.4
Revenues from services and forestry	635.1	695.3	776.4	841.8	802.1
Machine hire and custom work	35.8	29.9	29.7	50.8	29.8
Forest products sold	11.9	11.9	11.9	11.9	11.9
Other farm income	123.8	172.3	210.5	216.7	166.3
Gross imputed rental value-farm dwellings	463.5	481.1	524.3	562.4	594.1
Value of agricultural sector production	4,191.9	4,535.7	5,202.3	5,113.8	5,388.8
<b>less:</b> Purchased inputs	2,304.6	2,485.8	2,495.5	2,519.3	2,443.8
Farm origin	708.0	781.5	771.8	781.3	800.5
Feed purchased	344.2	411.6	426.9	405.0	429.8
Livestock and poultry purchased	42.0	40.7	53.2	65.8	69.7
Seed purchased	321.9	329.3	291.7	310.5	301.1
Manufactured inputs	680.8	713.5	743.5	774.8	794.8
Fertilizers and lime	232.6	251.8	291.5	308.5	304.1
Pesticides	225.3	236.9	217.6	198.2	198.2
Petroleum fuel and oils	149.9	170.5	167.6	210.9	234.0
Electricity	73.0	54.3	66.9	57.2	58.5
Other purchased inputs	915.8	990.7	980.2	963.1	848.5
Repair and maintenance of capital items	297.8	279.1	280.1	259.0	288.5
Machine hire and custom work	72.5	51.8	55.8	74.8	62.5
Marketing, storage, and transp. expenses	120.3	82.9	129.6	170.6	154.2
Contract labor	20.0	32.5	31.3	16.3	8.9
Miscellaneous expenses	405.2	544.4	483.3	442.4	334.4
<b>plus:</b> Net government transactions	-45.8	21.6	11.3	170.0	2.4
<b>plus:</b> Direct Government payments	190.5	255.6	215.3	387.7	247.6
<b>less:</b> Motor vehicle reg. and licensing fees	8.7	7.4	7.9	8.5	10.0
<b>less:</b> Property taxes	227.6	226.6	196.1	209.2	235.3
Gross value added	1,841.5	2,071.5	2,718.2	2,764.6	2,947.3
<b>less:</b> Capital consumption	614.0	635.6	675.4	720.0	754.0
Net value added	1,227.5	1,435.9	2,042.7	2,044.6	2,193.4
<b>less:</b> Payments to stakeholders	828.4	686.5	738.0	779.8	816.2
Employee compensation (total hired labor)	573.8	462.9	544.2	478.9	500.8
Net rent received by nonoperator landlords	26.1	19.3	-7.9	70.7	54.3
Real estate and nonreal estate interest	228.6	204.3	201.7	230.2	261.1
<b>Net farm income</b>	<b>399.0</b>	<b>749.4</b>	<b>1,304.7</b>	<b>1,264.8</b>	<b>1,377.1</b>

<sup>1</sup> Source: U.S. Department of Agriculture, Economic Research Service.

<sup>2</sup> 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.

<sup>3</sup> 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 2002-2006 <sup>1</sup>**

Item	2002	2003	2004	2005	2006
	<i>1,000 dollars</i>				
<b>Total cash receipts</b>	3,474,709	3,865,550	4,286,694	4,224,000	4,487,765
<b>Total livestock and products</b>	1,289,953	1,401,811	1,769,215	1,727,877	1,654,370
Meat animals	371,705	385,053	522,510	511,508	502,151
Cattle and calves	204,587	207,722	282,708	277,781	294,626
Hogs	164,324	173,671	236,002	229,852	204,514
Sheep and lambs	2,794	3,660	3,800	3,875	3,011
Dairy (milk)	733,260	795,690	1,022,825	1,031,030	936,320
Poultry and eggs	133,282	170,298	174,472	136,327	165,273
Eggs	63,237	93,613	94,313	61,870	73,097
Turkeys	62,832	68,760	69,560	67,500	82,156
Other	7,213	7,925	10,599	6,957	10,020
Miscellaneous livestock	51,706	50,770	49,408	49,012	50,626
Honey	7,762	6,782	4,965	4,243	5,069
Mink pelts	1,809	1,744	2,045	2,379	3,075
Trout	663	691	790	793	783
Other	41,472	41,553	41,608	41,597	41,699
<b>Total crops</b>	2,184,756	2,463,739	2,517,479	2,496,123	2,833,395
Field crops	1,093,882	1,277,977	1,185,567	1,242,261	1,491,573
Corn	383,009	437,210	445,751	371,784	552,798
Dry beans	49,450	63,264	60,779	75,979	78,519
Hay	50,337	58,269	57,800	93,415	106,925
Soybeans	363,489	420,346	376,716	432,343	453,919
Sugarbeets	122,393	124,780	90,790	111,387	111,387
Wheat	93,871	138,470	117,925	116,029	140,765
Other	31,333	35,638	35,806	41,324	47,260
Vegetables	350,636	356,908	377,137	323,881	361,882
Asparagus	11,703	19,278	17,468	12,006	14,866
Beans, snap	16,321	11,208	18,660	23,135	17,723
Carrots	19,934	21,907	17,899	18,666	17,293
Celery	14,441	17,641	15,215	10,493	19,920
Corn, sweet	16,800	14,193	13,904	16,000	16,434
Cucumbers, fresh	20,520	20,890	22,274	14,976	16,354
Cucumbers, pickles	30,153	36,180	35,363	26,611	33,492
Onions	9,851	11,065	10,518	8,128	7,699
Peppers, green, fresh	9,600	9,900	13,572	9,016	9,126
Potatoes	93,143	87,400	93,739	87,590	99,122
Pumpkins	13,056	14,308	13,104	9,048	9,405
Squash	22,365	15,314	16,240	16,337	14,994
Tomatoes, fresh	12,810	16,456	26,208	16,720	23,000
Tomatoes, processing	10,458	10,408	8,789	( <sup>2</sup> )	10,049
Other	49,481	50,760	54,184	55,155	52,405
Fruit	156,030	250,887	292,751	277,014	333,009
Apples	68,008	79,303	96,272	90,298	105,116
Blueberries	52,240	63,105	97,210	83,500	139,747
Grapes	14,760	21,086	13,690	21,518	9,658
Peaches	4,452	7,790	10,274	7,982	13,066
Strawberries	5,228	6,320	4,005	4,878	6,285
Sweet cherries	2,222	10,795	16,311	16,732	18,992
Tart cherries	7,192	57,938	49,861	47,555	34,697
Other	1,928	4,550	5,128	4,551	5,448
Miscellaneous crops	21,430	20,413	13,869	4,065	4,538
Floriculture and nursery	562,778	557,554	648,155	648,902	642,393

<sup>1</sup> Source: U.S. Department of Agriculture, Economic Research Service.

<sup>2</sup> Not published to avoid disclosure of individual operations.

**Soybean production costs and returns, excluding direct Government payments, 2004-2005**

Item	United States		Northern Crescent <sup>1</sup>	
	2004	2005	2004	2005
	<i>Dollars per planted acre</i>			
Gross value of production	253.46	264.57	213.54	248.25
Operating costs:				
Seed	29.71	32.62	29.56	31.69
Fertilizer	8.09	10.06	12.15	15.28
Soil conditioners	0.13	0.13	0.26	0.27
Manure	0.48	0.60	1.87	2.30
Chemicals	16.07	13.59	16.73	13.64
Custom operations	6.38	6.67	9.36	9.81
Fuel, lube, and electricity	9.44	13.62	10.73	15.10
Repairs	10.70	11.29	11.83	12.82
Purchased irrigation water	0.13	0.13	0.00	0.00
Interest on operating capital	0.64	1.50	0.73	1.70
Total, operating costs	81.77	90.21	93.22	102.61
Allocated overhead:				
Hired labor	2.04	2.03	3.28	3.30
Opportunity cost of unpaid labor	16.12	16.77	21.67	22.25
Capital recovery of machinery and equipment	47.49	50.17	51.46	55.80
Opportunity cost of land (rental rate)	83.88	86.68	71.37	71.96
Taxes and insurance	5.85	6.06	7.45	7.75
General farm overhead	11.86	12.47	14.31	15.06
Total, allocated overhead	167.24	174.18	169.54	176.12
Total, costs listed	249.01	264.39	262.76	278.73
Value of production less total costs listed	4.45	0.18	-49.22	-30.48
Value of production less operating costs	171.69	174.36	120.32	145.64
Supporting information:				
Yield (bushels per planted acre)	45	47	38	43
Price (dollars per bushel at harvest)	5.60	5.68	5.59	5.72
Enterprise size (planted acres) <sup>2</sup>	268	268	135	135
Production practices: <sup>2</sup>				
Irrigated (percent)	9	9	3	3
Dryland (percent)	91	91	97	97

<sup>1</sup> Includes NE Minnesota, Wisconsin, Michigan, NE Ohio, Pennsylvania, New York, and New England.

<sup>2</sup> Developed from survey base year, 2002.

**Livestock and products: Marketing year average prices received by farmers, 2002-2006**

Year	All hogs per cwt	All beef per cwt <sup>1</sup>	Cows per cwt <sup>2</sup>	Steers and heifers per cwt	Milk cows per head <sup>3</sup>	Calves per cwt	Market eggs per dozen	All milk wholesale per cwt	Turkeys per pound <sup>4</sup>
	<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>
2002	30.70	54.20	39.00	60.50	1,580	104.00	0.402	12.10	0.35
2003	35.00	63.00	41.60	72.00	1,370	92.50	0.595	12.60	0.36
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	0.40
2006	42.00	71.90	49.10	81.60	1,930	134.00	0.366	13.30	0.47

<sup>1</sup> Combined price for "Cows" and "Steers and Heifers."

<sup>2</sup> Beef cows and cull dairy cows sold for slaughter.

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

<sup>4</sup> Data not available prior to 1999.

**Livestock and products: Monthly prices received by farmers, 2006-2007**

Month	Beef cattle per cwt <sup>1</sup>	Cows per cwt <sup>2</sup>	Steers and heifers per cwt	Milk cows per head <sup>3</sup>	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>
2006							
January	75.90	50.00	87.00	2,000	138.00	0.360	14.90
February	74.50	50.00	85.00		140.00	0.280	14.20
March	73.40	51.00	83.00		140.00	0.460	13.30
April	71.30	51.00	80.00	2,000	140.00	0.270	12.40
May	70.30	50.00	79.00		138.00	0.220	12.20
June	71.00	50.00	80.00		134.00	0.360	12.20
July	71.60	49.50	81.00	1,900	134.00	0.250	12.20
August	71.90	49.50	81.50		134.00	0.350	12.40
September	73.30	49.50	83.50		134.00	0.320	13.20
October	72.50	49.00	82.50	1,800	132.00	0.330	14.00
November	70.30	46.50	80.50		126.00	0.620	14.30
December	68.30	44.50	78.50		120.00	0.600	14.50
2007							
January	69.40	44.50	80.00	1,800	114.00	0.770	15.00
February	71.80	48.00	82.00		114.00	0.630	15.30
March	76.00	49.00	87.50		114.00	0.640	16.00
April	78.70	50.00	91.00	1,800	120.00	0.540	16.90
May	80.70	52.00	93.00		125.00	0.590	18.20
June	78.30	51.00	90.00		125.00	0.480	20.40
July	75.50	51.00	86.00	1,950	122.00	0.800	22.50
August							
September							
October							
November							
December							

<sup>1</sup> Combined price for "Cows" and "Steers and Heifers."

<sup>2</sup> Beef cows and cull dairy cows sold for slaughter.

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

**Dry edible beans: Percent of sales by month, 2001-2006**

Month	2001-02	2002-03	2003-04	2004-05	2005-06
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	5	12	25	31	23
October	13	27	14	20	29
November	23	16	18	4	6
December	18	4	8	5	6
January	11	4	4	3	5
February	9	2	4	5	3
March	7	8	6	5	3
April	4	2	3	3	1
May	2		10	1	2
June	2	3	3	2	7
July	1	4	3	2	1
August	5	18	2	19	14

**Corn: Percent of sales by month, 2001-2006**

Month	2001-02	2002-03	2003-04	2004-05	2005-06
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
October	9	15	7	11	17
November	27	23	20	21	13
December	8	10	21	12	9
January	10	14	13	11	11
February	4	8	8	7	8
March	3	6	6	5	6
April	5	6	5	4	8
May	3	6	3	5	6
June	5	3	5	7	5
July	10	4	4	6	5
August	9	3	4	6	6
September	7	2	4	5	6

**Hay: Percent of sales by month, 2001-2006**

Month	2001-02	2002-03	2003-04	2004-05	2005-06
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
June	18	16	13	14	14
July	17	13	12	12	15
August	16	8	11	9	13
September	6	5	8	6	13
October	6	7	7	6	13
November	7	8	8	8	5
December	6	11	8	9	5
January	6	9	8	10	5
February	6	9	8	9	5
March	4	6	7	7	4
April	4	5	6	6	4
May	4	3	4	4	4

**Oats: Percent of sales by month, 2001-2006**

Month	2001-02	2002-03	2003-04	2004-05	2005-06
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	19	16	9	2	26
August	19	50	55	28	40
September	4	7	8	32	3
October	3	5	6	3	2
November	2	1	2	2	2
December	6	2	2	4	3
January	5	2	2	3	5
February	2	1	2	4	7
March	28	5	5	4	6
April	2	4	5	5	3
May	6	6	1	4	1
June	4	1	3	9	2

**Soybeans: Percent of sales by month, 2001-2006**

Month	2001-02	2002-03	2003-04	2004-05	2005-06
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	2	5	3	5	13
October	25	30	40	20	28
November	20	9	7	16	5
December	6	9	11	7	7
January	9	10	11	7	9
February	4	9	6	10	5
March	6	5	6	8	6
April	2	7	4	5	6
May	2	5	2	5	7
June	7	6	3	11	4
July	9	3	5	3	5
August	8	2	2	3	5

**Wheat: Percent of sales by month, 2001-2006**

Month	2001-02	2002-03	2003-04	2004-05	2005-06
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	50	49	42	41	48
August	18	19	33	18	19
September	7	8	5	10	8
October	4	6	3	4	3
November	2	1	3	4	2
December	4	1	3	3	3
January	4	4	5	4	4
February	3	2	3	8	5
March	1	1	3	4	4
April	4	2		2	1
May	1	2		1	2
June	2	5		1	1

**Crops: Marketing year average prices received by farmers, 2001-2005 <sup>1</sup>**

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>
2001	2.34	3.28	1.80	5.62	15.30	NA	7.80	84.50	86.50
2002	2.37	3.25	1.65	7.30	19.30	NA	7.05	93.00	97.00
2003	1.97	3.01	1.72	5.72	22.50	NA	6.95	94.50	97.50
2004	1.88	3.13	1.89	5.73	19.60	NA	7.90	90.00	92.00
2005	3.20	3.40	1.85	6.10	19.20	NA	8.45	93.50	97.00

<sup>1</sup> 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, 2005-2006 marketing years**

2005-2006 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>
2005									
June								83.00	85.00
July		3.18	2.06				8.30	79.00	80.00
August		3.06	1.75				6.10	88.00	90.00
September		2.94	1.81	5.81	19.30	19.50	5.80	93.00	95.00
October	1.71	2.99	1.88	5.78	19.10	19.20	6.90	93.00	95.00
November	1.62	2.91	1.81	5.62	18.60	18.60	7.40	92.00	95.00
December	1.66	3.00	2.12	5.67	20.30	18.50	7.90	91.00	95.00
2006									
January	1.85	3.12	1.82	5.93	19.70	18.40	8.50	95.00	100.00
February	1.93	3.24	1.89	5.81	20.00	19.10	8.80	102.00	105.00
March	1.95	3.39	1.93	5.62	22.10	19.10	9.00	101.00	105.00
April	2.04	3.23	2.01	5.64	21.90	19.20	10.50	101.00	105.00
May	2.16	3.39	2.00	5.72	20.80	19.00	11.10	97.00	100.00
June	2.11	3.14	1.87	5.70	19.60	18.70	( <sup>1</sup> )		
July	2.18			5.65	21.70	19.90			
August	2.05			5.40	20.00	19.70			
September	2.05								
2006									
June								89.00	95.00
July		3.29	1.83				10.10	84.00	90.00
August		3.11	1.70				7.10	83.00	85.00
September		3.23	1.68	5.32	19.20	18.20	7.05	93.00	95.00
October	2.42	3.76	1.88	5.47	18.80	17.80	6.85	98.00	100.00
November	2.76	4.06	2.26	5.97	19.70	17.90	8.05	97.00	100.00
December	3.00	4.22	1.99	6.09	20.10	17.70	8.45	101.00	105.00
2007									
January	3.27	3.81	1.94	6.29	20.80	19.40	8.75	104.00	110.00
February	3.42	3.78	2.43	6.81	24.90	21.10	8.95	106.00	110.00
March	3.37	3.72	2.59	6.67	24.20	21.20	9.45	106.00	110.00
April	3.35	3.94	2.49	6.77	24.60	23.00	10.00	101.00	105.00
May	3.48	4.02	2.61	7.13	24.30	23.50	10.20	101.00	105.00
June	3.75	4.41	2.67	7.45	24.00	23.80	( <sup>1</sup> )		
July	3.38			7.56	28.10	24.40			
August									
September									

<sup>1</sup> Insufficient sales to establish a price.

**Prices paid by farmers, 2003-2007 <sup>1</sup>**

Item	Unit	2003	2004	2005	2006	2007
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Dairy feed, 16% protein <sup>2</sup>	Ton	190	216	188	216	241
Hog concentrate, 38-42% protein <sup>2</sup>	Ton	313	393	332	342	366
Soybean meal, 44% protein <sup>2</sup>	Cwt	11.70	17.40	11.90	13.10	14.40
Gasoline, unleaded, bulk <sup>2</sup>	Gallon	1.64	1.76	2.21	2.59	2.62
Diesel fuel <sup>2</sup>	Gallon	1.28	1.32	1.97	2.29	2.47
Tractor, 110-129 hp <sup>3</sup>	Each	63,800	65,700	68,500	70,900	74,000
Tractor, 200-280 hp, 4-wd <sup>3</sup>	Each	133,000	141,000	142,000	150,000	154,000
Planter, row crop, 8-row <sup>3</sup>	Each	30,000	32,000	31,400	34,100	33,500
Grain drill, press, 23-25 openers <sup>3</sup>	Each	20,300	22,600	25,200	25,200	26,100
Combine, self-prop. w/ grain head, large cap. <sup>3</sup>	Each	159,000	180,000	192,000	201,000	213,000
Ammonium nitrate <sup>4</sup>	Ton	224	243	269	427	364
Muriate of potash 60-62% K <sub>2</sub> O <sup>4</sup>	Ton	162	178	242	271	277
Superphosphate, 44-46% P <sub>2</sub> O <sub>5</sub> <sup>4</sup>	Ton	238	261	295	315	409
Anhydrous ammonia <sup>4</sup>	Ton	368	387	429	543	536
Atrazine, 4#/gallon <sup>3</sup>	Gallon	12.30	12.20	12.40	12.10	12.20
Roundup, 4#/gallon EC <sup>3</sup>	Gallon	43.30	39.70	33.80	29.30	28.90
Harness, Surpass, 6.4-7#/gallon EC <sup>3</sup>	Gallon	68.20	71.40	67.60	68.90	69.20
Dual, 8#/gallon EC <sup>3</sup>	Gallon	104.00	106.00	108.00	107.00	( <sup>5</sup> )
Captan, 50% WP <sup>3</sup>	Pound	3.50	3.52	3.65	3.87	4.59
Ziram, 76% WP <sup>3</sup>	Pound	2.70	2.67	2.86	2.88	3.08
Guthion, 50% WP <sup>3</sup>	Pound	10.60	10.70	10.80	11.40	11.70
Imidan, Prolate, 50% WP <sup>3</sup>	Pound	7.40	7.45	8.32	8.44	9.05

EC=Emulsifiable concentrate. WP=Wettable powder.

<sup>1</sup> Regional and U.S. data only.

<sup>2</sup> Lake States region: Michigan, Minnesota, and Wisconsin.

<sup>3</sup> United States.

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

<sup>5</sup> Discontinued in 2007.

**Farm production expenses, 2002-2006**

Item	2002	2003	2004	2005	2006
	<i>Million dollars</i>				
Feed purchased	344.2	411.6	426.9	405.0	429.8
Livestock and poultry purchased	42.0	40.5	53.2	65.8	69.7
Seed purchased	321.9	329.3	291.7	310.5	301.1
Fertilizers and lime	232.6	251.8	291.5	308.5	304.1
Pesticides	225.3	236.9	217.6	198.2	198.2
Petroleum fuel and oils	149.9	170.5	167.6	210.9	234.0
Electricity	73.0	54.3	66.9	57.2	58.5
Repair and maintenance of capital items	297.8	279.1	280.1	259.0	288.5
Machine hire and custom work	72.5	39.3	55.7	74.8	62.5
Contract and hired labor expenses	593.7	507.8	575.6	495.2	507.6
Marketing, storage, and transportation expenses	120.3	82.9	129.6	170.6	106.3
Capital consumption	614.0	635.6	675.6	719.8	754.0
Real estate and nonreal estate interest	228.6	204.3	201.7	230.2	261.1
Property taxes	227.6	226.6	196.1	209.2	235.3
Net rent received by nonoperator landlords	23.8	14.3	-13.8	66.6	51.3
Miscellaneous expenses	405.2	548.7	470.2	442.4	443.4
Total production expenses	3,972.4	4,033.6	4,085.9	4,223.9	4,305.2

**Farm Labor**

**Hired farm workers: Annual average wage rates, 2002-2006**

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>
2002	9.62	8.62	8.66
2003	9.74	8.42	8.86
2004	9.40	8.32	8.65
2005	9.79	8.57	8.89
2006	9.95	9.20	9.22

## Agricultural Exports

Michigan ranked nineteenth in agricultural exports for fiscal year 2006. 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 commodities accounted for approximately

74 percent of the State's agricultural exports. The total value of agricultural exports from Michigan in 2006 was estimated at \$1.2 billion.

**Michigan agricultural exports: Fiscal year 2006 <sup>1</sup>**

Commodity	Value	Percent of total	Rank in U.S.
	<i>Million dollars</i>	<i>Percent</i>	<i>Number</i>
Soybeans and products	233.0	20.1	12
Feed grains and products	216.6	18.6	12
Other <sup>2</sup>	201.1	17.3	12
Vegetables and preparations	114.3	9.8	8
Fruits and preparations	97.6	8.4	5
Dairy products	70.9	6.1	9
Wheat and products	66.0	5.7	25
Live animals and meat, excluding poultry	50.3	4.3	20
Hides and skins	33.5	2.9	13
Feeds and fodders	30.0	2.6	23
Seeds	23.0	2.0	10
Poultry and products	17.7	1.5	25
Fats, oils, and greases	7.2	0.6	11
Total	1,161.2		19

<sup>1</sup> Source: U.S. Department of Agriculture, Economic Research Service, [www.ers.usda.gov/data/fatus](http://www.ers.usda.gov/data/fatus).

<sup>2</sup> Sugar and tropical products, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, wine, and miscellaneous vegetable products.

**Michigan agricultural exports: Top 10 destinations, 2005-2006 <sup>1</sup>**

Country	2005	2006
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Canada	190,213	178,052
Mexico	18,143	25,045
Japan	8,167	6,289
Austria	3,365	2,771
United Kingdom	2,111	2,110
Saudi Arabia	0	1,317
Guatemala	1,662	1,245
Italy	4,072	1,219
Taiwan	641	831
Australia	1,288	805

<sup>1</sup> Source: U.S. Department of Commerce, International Trade Administration, [www.ita.doc.gov](http://www.ita.doc.gov).

## Agricultural Chemical Usage

The 2006 Vegetable Chemical Usage Report includes farm use of pesticides for 23 targeted vegetable crops in 19 major States. The crops surveyed in Michigan were asparagus, snap beans for processing, carrots for fresh market and processing, sweet corn for fresh market, cucumbers for fresh market and processing, pumpkins, and squash. Chemical use information for fruit is collected in odd numbered years, while vegetable information is collected in even numbered years. Information in this report is provided from a survey funded by the USDA Pesticide Data Program. The purpose of the Pesticide Data Program is to provide reliable pesticide use statistics and to enhance the quality of information on pesticide residues in food. Multiple agencies within the USDA administer this program. This data series addresses the increased public interest in

agricultural chemical use and provides the means for government agencies to respond effectively to food safety and water quality issues.

The entire series of chemical usage statistics since 1990 for Michigan and the U.S. can be found on the NASS website at [www.nass.usda.gov](http://www.nass.usda.gov). The common name and trade name for the active ingredients in the tables can be found on page 347 of the Agricultural Chemical Usage – Vegetables publication which was released on July 25, 2007 or on page 116 of the Agricultural Chemical Usage – Field Crops publication which was released on May 16, 2007.

### Asparagus: Agricultural chemical applications, 2006 <sup>1</sup>

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
Herbicides					
2,4-D, dimeth. salt	8	1.2	0.97	1.169	1.2
Diuron	89	1.5	1.263	1.87	20.2
Fluazifop-P-butyl	5	1	0.272	0.272	0.2
Glyphosate iso. salt	89	1.6	0.798	1.254	13.6
Metribuzin	72	1.3	0.419	0.543	4.8
Paraquat	13	1.2	0.588	0.688	1.1
Sulfentrazone	36	1.1	0.194	0.217	0.9
Terbacil	3	1	0.359	0.359	0.1
Insecticides					
Carbaryl	88	3.3	0.618	2.041	21.9
Permethrin	59	2.8	0.105	0.291	2.1
Fungicides					
Chlorothalonil	77	2.7	1.49	3.974	37.5
Mancozeb	38	2.2	1.36	2.985	13.7
Tebuconazole	16	1.3	0.11	0.143	0.3

<sup>1</sup> Planted acres in 2006 were 12,200 acres.

### Snap Beans, Processing: Agricultural chemical applications, 2006 <sup>1</sup>

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
Herbicides					
Bentazon	58	1	0.515	0.515	5.7
EPTC	27	1	2.283	2.283	11.7
Fomesafen	43	1	0.175	0.177	1.4
Glyphosate iso. salt	13	1	0.747	0.77	2
S-Metolachlor	39	1	0.859	0.859	6.3
Trifluralin	37	1	0.579	0.579	4.1
Insecticides					
Acephate	54	1.9	0.598	1.108	11.4
Carbaryl	16	3.2	0.919	2.916	8.7
Lambda-cyhalothrin	8	1.6	0.019	0.031	( <sup>2</sup> )

<sup>1</sup> Planted acres in 2006 were 19,000 acres.

<sup>2</sup> Total applied was less than 50 lbs.

**Carrots, Fresh: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
Herbicides					
Clethodim	45	1.5	0.12	0.184	0.2
Linuron	83	2.4	0.567	1.335	3.2

<sup>1</sup> Planted acres in 2006 were 2,900 acres.

**Carrots, Processing: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
Fungicides					
Chlorothalonil	100	3.4	1.327	4.491	8.1

<sup>1</sup> Planted acres in 2006 were 1,800 acres.

**Sweet Corn, Fresh: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
Herbicides					
2,4-D, dimeth. salt	2	1	0.545	0.545	0.1
Alachlor	15	1.1	2.082	2.193	2.9
Atrazine	73	1.1	1.259	1.336	8.8
Bentazon	9	1.3	0.491	0.632	0.5
Glyphosate iso. salt	1	1	1.102	1.102	0.1
Mesotrione	8	1	0.133	0.133	0.1
Pendimethalin	12	1	1.096	1.096	1.2
S-Metolachlor	54	1	1.412	1.415	6.9
Insecticides					
Carbaryl	3	3.4	1.104	3.735	1
Chlorpyrifos	18	1	0.229	0.229	0.4
Cyfluthrin	9	1.6	0.027	0.043	( <sup>2</sup> )
Esfenvalerate	27	3.2	0.038	0.12	0.3
Lambda-cyhalothrin	44	2.7	0.026	0.07	0.3
Methomyl	32	2.3	0.44	1.017	2.9
Permethrin	3	1.9	0.166	0.316	0.1
Thiodicarb	13	2.3	0.651	1.505	1.8
Zeta-cypermethrin	6	1.6	0.021	0.033	( <sup>2</sup> )
Fungicides					
Chlorothalonil	1	2.3	2.121	4.955	0.6
Propiconazole	6	1.3	0.077	0.102	0.1

<sup>1</sup> Planted acres in 2006 were 9,000 acres.

<sup>2</sup> Total applied was less than 50 lbs.

**Cucumbers, Fresh: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
<b>Herbicides</b>					
Clomazone	23	1	0.818	0.818	1.1
Ethalfuralin	57	1	0.858	0.858	2.7
Glyphosate iso. salt	2	1	1.106	1.106	0.1
S-Metolachlor	24	1	1.576	1.576	2.1
Trifluralin	( <sup>2</sup> )	1	0.608	0.608	( <sup>3</sup> )
<b>Insecticides</b>					
Carbaryl	1	1.1	0.97	1.038	( <sup>3</sup> )
Endosulfan	14	1.2	0.559	0.658	0.5
Esfenvalerate	33	3.2	0.037	0.119	0.2
Methomyl	18	2.4	0.643	1.525	1.5
Pyrethrins	( <sup>2</sup> )	2	0.032	0.062	( <sup>3</sup> )
<b>Fungicides</b>					
Azoxystrobin	3	1.1	0.191	0.202	( <sup>3</sup> )
Chlorothalonil	73	5.4	2.102	11.382	46.4
Copper hydroxide	73	5.2	0.583	3.005	12.3
Cymoxanil	72	2.5	0.125	0.311	1.3
Famoxadone	72	2.5	0.125	0.31	1.3
Mancozeb	13	5.2	2.213	11.409	8.4
Myclobutanil	18	1.9	0.098	0.182	0.2
Propamocarb hydroch.	73	3.9	0.771	2.989	12.3

<sup>1</sup> Planted acres in 2006 were 5,600 acres.

<sup>2</sup> Area applied was less than 0.5 percent.

<sup>3</sup> Total applied was less than 50 lbs.

**Cucumbers, Pickles: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
<b>Herbicides</b>					
Clomazone	61	1.1	0.119	0.128	2.7
Ethalfuralin	78	1.1	0.558	0.591	15.7
Halosulfuron	38	1	0.034	0.034	0.4
Sethoxydim	5	1	0.653	0.653	1
<b>Insecticides</b>					
Esfenvalerate	18	1.1	0.037	0.04	0.2
<b>Fungicides</b>					
Chlorothalonil	71	2.1	1.086	2.286	54.9
Copper hydroxide	3	2.6	0.589	1.536	1.4
Cymoxanil	67	1.8	0.106	0.188	4.3
Famoxadone	67	1.8	0.106	0.188	4.3
Mancozeb	65	2.3	1.54	3.529	78.6
Propamocarb hydroch.	78	2	0.72	1.464	39

<sup>1</sup> Planted acres in 2006 were 34,000 acres.

**Pumpkins: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
<b>Herbicides</b>					
Clomazone	45	1	0.343	0.345	1
Ethalfuralin	48	1	0.773	0.773	2.3
Glyphosate iso. salt	15	1.1	0.87	0.927	0.9
<b>Insecticides</b>					
Bifenthrin	4	2	0.067	0.134	( <sup>2</sup> )
Carbaryl	18	1.8	0.831	1.517	1.7
Endosulfan	17	2.2	0.718	1.563	1.7
Esfenvalerate	19	2.9	0.035	0.102	0.1
Lambda-cyhalothrin	6	3.1	0.023	0.071	( <sup>2</sup> )
<b>Fungicides</b>					
Azoxystrobin	8	2.2	0.112	0.246	0.1
Chlorothalonil	50	3.3	1.714	5.742	17.9
Copper hydroxide	38	3.1	0.855	2.65	6.2
Cymoxanil	15	1.7	0.125	0.218	0.2
Famoxadone	15	1.7	0.125	0.218	0.2
Mancozeb	7	1.9	1.272	2.42	1.1
Mefenoxam	2	2.3	0.163	0.375	( <sup>2</sup> )
Propamocarb hydroch.	19	3	0.999	2.965	3.5
Thiophanate-methyl	11	2	0.308	0.629	0.4

<sup>1</sup> Planted acres in 2006 were 6,200 acres.

<sup>2</sup> Total applied was less than 50 lbs.

**Squash: Agricultural chemical applications, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 lbs</i>
<b>Herbicides</b>					
Clomazone	37	1	0.328	0.336	1.1
Ethalfuralin	62	1	0.791	0.791	4.3
Glyphosate iso. salt	5	1	0.881	0.918	0.4
Halosulfuron	17	1	0.026	0.026	( <sup>2</sup> )
S-Metolachlor	8	1	1.639	1.639	1.2
<b>Insecticides</b>					
Carbaryl	31	1.9	0.764	1.415	3.8
Endosulfan	9	2.1	0.619	1.308	1
Esfenvalerate	28	2.9	0.035	0.102	0.2
Imidacloprid	2	1.5	0.124	0.189	( <sup>2</sup> )
Lambda-cyhalothrin	( <sup>3</sup> )	1.1	0.02	0.022	( <sup>2</sup> )
Permethrin	19	2.3	0.152	0.348	0.6
Pyrethrins	( <sup>3</sup> )	1.3	0.022	0.029	( <sup>2</sup> )
<b>Fungicides</b>					
Azoxystrobin	1	1.2	0.184	0.223	( <sup>2</sup> )
Basic copper sulfate	7	4.1	0.332	1.349	0.9
Chlorothalonil	71	3.1	1.519	4.647	28.6
Copper hydroxide	39	4.4	0.409	1.799	6.1
Cymoxanil	25	2	0.124	0.25	0.6
Famoxadone	25	2	0.124	0.249	0.5
Mancozeb	6	2.4	1.61	3.783	1.9
Maneb	7	2.9	1.037	2.979	1.8
Myclobutanil	11	1.7	0.091	0.151	0.1
Propamocarb hydroch.	19	4.3	0.753	3.213	5.4
Pyraclostrobin	14	1.1	0.139	0.147	0.2
Thiophanate-methyl	8	2.1	0.294	0.612	0.4

<sup>1</sup> Planted acres in 2006 were 8,700 acres.

<sup>2</sup> Total applied was less than 50 lbs.

<sup>3</sup> Area applied was less than 0.5 percent.

**Fertilizer applications: Soybeans, 2006 <sup>1</sup>**

Fertilizer	Symbol	Area applied	Applications	Rate per application	Rate per crop year	Total applied
		<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Million pounds</i>
Nitrogen	N	28	1.2	9	11	5.9
Phosphate	P <sub>2</sub> O <sub>5</sub>	28	1.2	30	35	19.5
Potash	K <sub>2</sub> O	56	1.2	75	87	96.7
Sulfur	S	3	1.0	3	3	0.2

<sup>1</sup> Planted acres in 2006 were 2.0 million acres.

**Agricultural chemical applications: Soybeans, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 pounds</i>
Herbicides					
Glyphosate	6	1.3	0.716	0.898	107
Glyphosate iso. salt	91	1.4	0.846	1.169	2,128
Imazethapyr	2	1.0	0.059	0.059	3
Pendimethalin	3	1.0	0.871	0.871	57

<sup>1</sup> Planted acres in 2006 were 2.0 million acres.

**Fertilizer applications: Winter wheat, 2006 <sup>1</sup>**

Fertilizer	Symbol	Area applied	Applications	Rate per application	Rate per crop year	Total applied
		<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Million pounds</i>
Nitrogen	N	98	2.0	46	89	57.6
Phosphate	P <sub>2</sub> O <sub>5</sub>	74	1.0	44	46	22.2
Potash	K <sub>2</sub> O	85	1.0	59	61	33.9
Sulfur	S	37	1.3	10	12	3.0

<sup>1</sup> Planted acres in 2006 were 660,000 acres.

**Agricultural chemical applications: Winter wheat, 2006 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>1,000 pounds</i>
Herbicides					
2,4-D, 2-EHE	23	1.0	0.438	0.438	67
2,4-D, dimeth. salt	11	1.0	0.585	0.585	41
Prosulfuron	2	1.0	0.016	0.016	( <sup>2</sup> )
Thifensulfuron	29	1.0	0.017	0.017	3
Tribenuron-methyl	29	1.0	0.006	0.006	1
Fungicides					
Azoxystrobin	3	1.0	0.043	0.043	1
Propiconazole	10	1.0	0.078	0.078	5
Pyraclostrobin	8	1.0	0.082	0.082	4
Tebuconazole	9	1.0	0.106	0.106	6

<sup>1</sup> Planted acres in 2006 were 660,000 acres.

<sup>2</sup> Total applied is less than 500 lbs.

**Commercial fertilizer consumption: 2002-2006 <sup>1</sup>**

Item	Year ending June 30				
	2002	2003	2004	2005	2006
	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>
<b>Primary plant nutrients</b>					
Total N	240,680	238,296	264,850	253,433	232,710
N in multi-nutrients	55,048	60,449	60,405	57,559	58,308
Total P <sub>2</sub> O <sub>5</sub>	84,734	85,485	94,352	82,885	85,746
P <sub>2</sub> O <sub>5</sub> in multi-nutrients	82,377	83,193	92,225	81,187	83,841
Total K <sub>2</sub> O	189,200	189,463	210,479	189,432	163,523
K <sub>2</sub> O in multi-nutrients	41,924	45,298	46,989	41,926	36,883
Total plant nutrients	514,615	513,243	569,680	525,751	481,979
Average analysis	43.1	40.1	41.1	37.7	41.3
Total nutrients in multi-nutrients	179,349	188,940	199,620	180,673	179,031
<b>Selected single-nutrient materials</b>					
Ammonium nitrate	5,405	7,856	6,619	7,501	5,168
Anhydrous ammonia	52,766	39,235	43,551	50,071	33,759
Nitrogen solutions	284,355	285,787	323,712	301,868	279,293
Urea	107,305	107,854	132,493	108,090	107,941
Ammonium sulfate	23,569	25,294	30,376	36,660	30,254
Concentrated superphosphate	4,984	4,515	4,139	3,716	4,189
Potassium chloride	236,720	231,668	259,011	234,700	203,398
<b>Multiple-nutrient fertilizers</b>					
N-P-K	334,670	265,924	294,691	227,081	245,713
N-P	129,900	133,062	142,136	134,719	143,185
N-K	27,096	34,853	33,024	44,437	56,456
P-K	3,831	2,828	3,129	2,926	2,536
<b>Leading multiple-nutrient grades</b>					
10-34-0	44,303	46,717	50,860	37,026	47,687
18-46-0	36,672	37,149	35,938	38,902	39,534
11-52-0	24,636	25,865	34,428	35,776	35,295
28-3-3	7,761	7,654	7,357	6,951	12,504
19-19-19	13,989	12,709	16,547	13,756	11,670
4-10-10	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7,347
<b>Fertilizer consumption by classes</b>					
Dry bulk single-nutrient	392,966	443,887	472,774	430,495	380,147
Dry bagged single-nutrient	23,385	40,127	35,943	19,815	18,688
Fluid single-nutrient	339,295	343,115	373,002	362,722	319,143
Dry bulk multiple-nutrient	223,668	231,005	248,576	202,878	214,164
Dry bagged multiple-nutrient	187,396	132,037	150,598	137,291	145,636
Fluid multiple-nutrient	84,433	73,625	73,805	68,993	88,090
Organics, secondary and micronutrients	31,883	84,679	60,845	58,519	148,112
<b>Total</b>	<b>1,283,026</b>	<b>1,348,475</b>	<b>1,415,544</b>	<b>1,280,715</b>	<b>1,313,980</b>

<sup>1</sup> Source: The Association of American Plant Food Control Officials

# Field Crops

## Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

The 2006 growing season had highly variable seasonal precipitation totals across the State and wet, cool, and inclement fall harvest conditions. Moisture-wise, the season got off to a good start over nearly all of Michigan thanks to several rounds of heavy snow and rain during January and February and near complete off-season soil moisture recharge. An upper air ridging pattern developed across the Midwest region during late March and despite a few short breaks, persisted into mid-May. The mild temperatures resulted in significant early phenological development of most overwintering crops. Mean 2-inch bare soil temperatures rose above the 50 degree F mark across most southern and western sections of the Lower Peninsula by mid-April, prompting the beginning of early planting which continued at an increasing pace into early May. Seasonal Growing Degree Day (GDD) accumulations at that point in the season were generally running 5 to 10 days ahead of normal across the State. Following the rapid start of the season, an upper air troughing pattern developed over the Great Lakes region during the second week of May and persisted for almost two weeks, resulting in an extended period of cool and wet weather. Rain fell over much of Michigan on an almost daily basis, with 2 to 5 inch totals reported over many central and southern sections of the State. The change in weather halted spring planting and other fieldwork activities and slowed germination and early growth of perennial and already planted annual crops. Frost and freezing temperatures across some areas of the State on May 21 and 22 led to a variety of cold injury to crops, some of it severe.

A more benign west to east jet stream pattern developed across North America by the end of May, leading to more seasonable temperatures and a rapid resumption and completion of spring planting. Fair weather prevailed during much of June, with rapid crop growth and development. Periodic rainfall favored crops across eastern and southern sections of the State, while topsoil moisture in many northern sections of the State became limited for crop growth due to relatively low precipitation totals since mid-March. By early July, soil moisture levels across the State ranged from excessively wet to abnormally low given the highly variable rainfall pattern. Precipitation departures ranged from more than 6 inches above normal in west central and central sections of Lower Michigan to

more than 6 inches below normal in western sections of Upper Michigan.

Unusually hot and humid weather impacted Michigan and nearly all of the continental United States during the last two weeks of July and the first week of August. Nationally, more than 2,300 individual daily records for high temperatures were broken as well as 50 new records for the hottest July temperature ever. The heat wave was associated meteorologically with a broad upper air ridge over a massive subtropical air mass that moved slowly from west to east across the country. Maximum air temperatures near or above 90 degrees F were common across Michigan during the event along with extremely high dew point temperatures values at or above 70 degrees F, which were near the absolute climatological limits for the State. This combination led to stressful conditions for humans and livestock, but also to rapid crop growth and development rates where moisture was not limiting.

Following seasonable and generally favorable conditions during the latter half of August, an upper air troughing pattern once again set up over the Great Lakes region in early September and persisted off and on into early November. This pattern brought abnormally cool and wet weather to all of Michigan, including significant snowfall in some parts of the State, which led to lengthy delays in fall harvest activities and to low grain dry down rates and relatively high moisture harvested grain. The first killing frost of the season occurred during the last week of September or first week of October in northern sections of the State and in mid-October over central and southern sections. This was climatologically near to slightly later than normal.

Overall for the 5-month May through September period, precipitation totals ranged from much below normal levels in many parts of Upper Michigan (the second consecutive year that this has occurred) to much above normal levels in central and southern sections of the Lower Peninsula. Mean temperatures and seasonal GDD accumulations were not too far from the climatological normals, with GDD totals generally ranging within 10 percent of climatological normal values.

### Field crops: Acres harvested and value of production, 2002-2006

Item	Unit	2002	2003	2004	2005	2006
Acres harvested	1,000 acres	6,386	6,418	6,372	6,481	6,461
Value of production	1,000 dollars	1,720,760	1,768,563	1,653,098	1,709,004	2,309,479

### Grain storage capacity, December 1, 2002-2006

Year	Off farm		On farm capacity
	Facilities	Rated capacity	
	<i>Number</i>	<i>Million bushels</i>	<i>Million bushels</i>
2002	235	148	240
2003	220	145	240
2004	215	150	250
2005	215	148	250
2006	211	155	250

**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	11	2005	1866
Yield per acre	Bushels	68.0	1985	13.5	1933	
Production	1,000 bu	8,400	1918	517	2005	
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	293,180	1982	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	1866
Yield per acre	Bushels	70.0	2003	18.5	1921	
Production	1,000 bu	69,388	1946	3,520	2001	
Potatoes						
Harvested acres	1,000 acres	374.0	1895	36.4	1975	1866
Yield per acre	Cwt	330.0	2003,2006	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	45.0	2006	8.0	1927	
Production	1,000 bu	89,550	2006	10	1930	
Spearmint						
Harvested acres	1,000 acres	8.7	1954	0.7	1935	1935
Yield per acre	Pounds	60.0	2006	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	23.2	2006	5.5	1916	
Production	1,000 tons	3,573	2006	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	47,450	2006	7,350	1912	

## Barley

Michigan barley growers planted 15,000 acres and harvested 14,000 acres in 2006. Total production was 686,000 bushels, up 33 percent from 2005. The average yield increased 2 bushels to 49 bushels per acre. Barley planting began in early April and

progressed ahead of the five-year average. By the beginning of June, 95 percent of the crop had emerged. Going into harvest, more than half the crop was rated in fair to good condition.

**Barley: Acres, yield, production, and value, 2002-2006**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	14	13	51	663	1.60	1,061
2003	15	14	56	784	1.70	1,333
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

<sup>1</sup> Marketing year average.

## Corn

There were 2.20 million acres planted to corn in 2006, down 50,000 acres from 2005. Grain corn production was 288.1 million bushels, up less than 1 percent 2005; 1.96 million acres were harvested for grain. The record yield of 147 bushels per acre was up 4 bushels per acre from the 2005 crop. Farmers harvested 230,000 acres of corn for silage; the average yield was 16.5 tons per acre.

Planting of corn in Michigan began in mid-April, at about the normal schedule. Dry, warm weather prevailed in April and early May, and planting progress was ahead of average. Cool, wet weather in mid-May slowed planting progress, but planting was virtually complete by June 7. Warm weather in late May and early June kept emergence progress ahead of normal. Rainfall was adequate during most of the emergence period. By mid-June, almost all plants were emerged, ahead of average. By August 1 cumulative growing degree days were 100 to 200 ahead of normal, and precipitation was ahead of or near normal. About 85 percent of the crop had silked by August 1 compared with a 5-year average of 65

percent. The crop was about 10 days ahead of the average stage of development by September 1. Rainfall in August was 1 to 2 inches below normal in major corn areas. This did not have a substantial negative influence on potential yields since most of the crop had silked by August 1. About 75 percent of the crop had reached maturity by October 1, well ahead of the average 60 percent. Harvesting began the last week of September, but it was slowed by wet field conditions. By November 1 the harvest of corn for grain was only one-third complete, about two weeks behind normal. Above normal rainfall and below normal temperatures in October slowed field drying of grain.

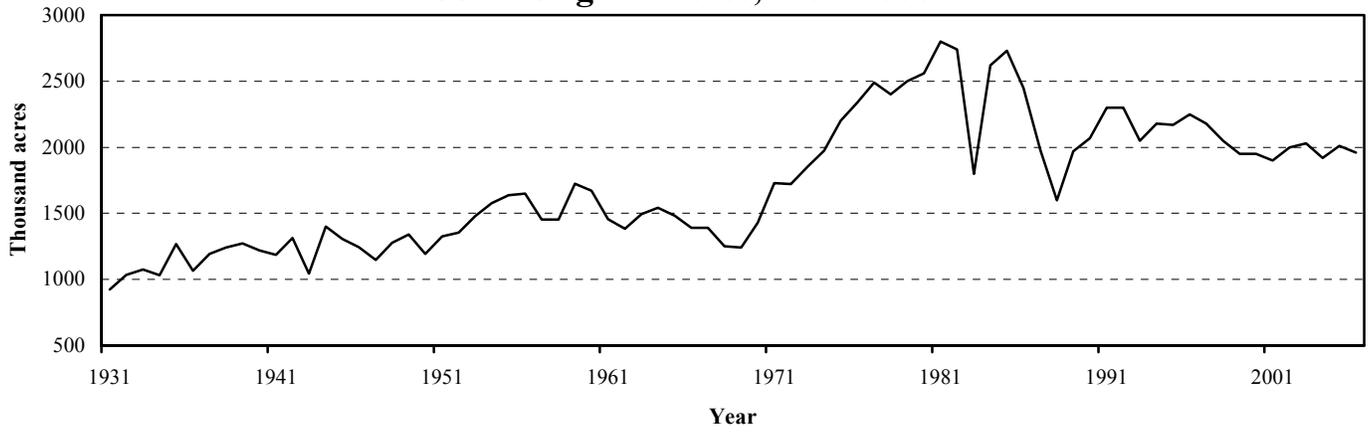
The 2006 corn crop was valued at \$922 million, up 71 percent from 2005. Corn continued to be Michigan's number one crop in value of production. The top three counties in corn production in 2006 were Huron, Lenawee, and St. Joseph.

**Corn: Acres, yield, production, and value, 2002-2006**

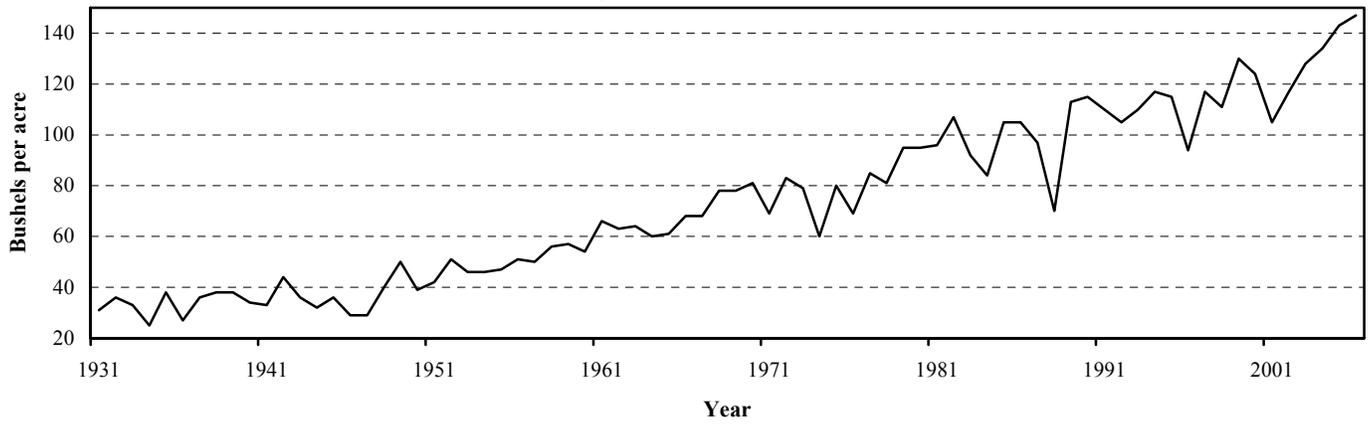
Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2002	2,250					
2003	2,250					
2004	2,200					
2005	2,250					
2006	2,200					
Grain						
2002		2,000	117	234,000	2.34	547,560
2003		2,030	128	259,840	2.37	615,821
2004		1,920	134	257,280	1.97	506,842
2005		2,010	143	287,430	1.88	540,368
2006		1,960	147	288,120	3.20	921,984
Silage						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>		
2002		240	15.0	3,600		
2003		210	16.0	3,360		
2004		265	18.0	4,770		
2005		230	17.5	4,025		
2006		230	16.5	3,795		

<sup>1</sup> Marketing year average.

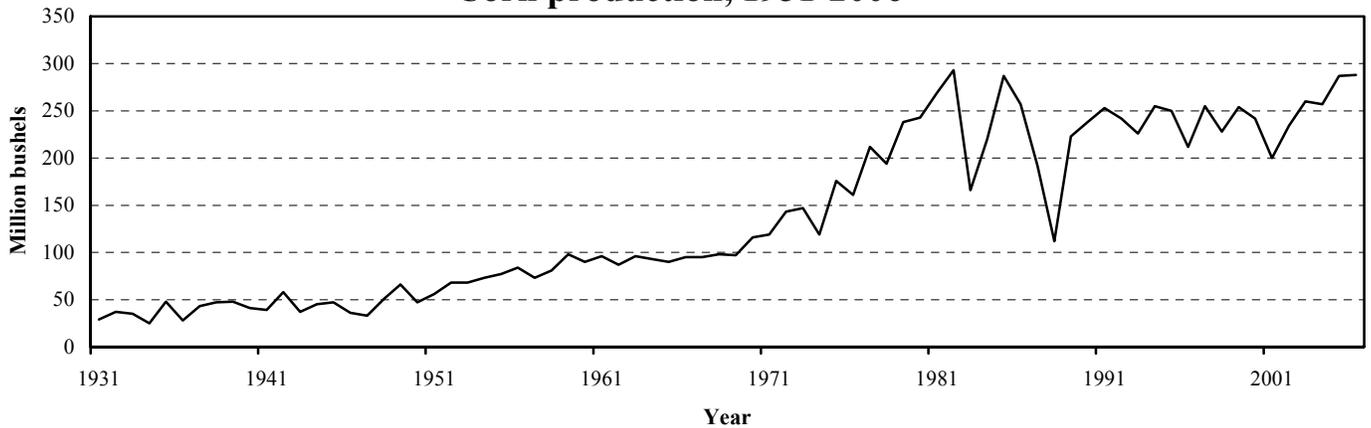
### Corn for grain acres, 1931-2006



### Corn yield, 1931-2006



### Corn production, 1931-2006



**Corn for grain: Stocks by quarter, 2002-2006**

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm						
	<i>1,000 bushels</i>							
2002	130,000	59,800	88,000	46,700	40,000	27,600	13,000	9,750
2003	140,000	56,500	77,000	51,300	43,000	34,600	16,000	13,200
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	54,900	52,000	33,600		

**Corn: Percentage of acreage planted, 2002-2006**

Year	Month and day					
	April		May			June
	20	30	10	20	30	10
2002	0	9	34	54	81	96
2003	0	11	33	48	83	98
2004	8	34	61	68	77	90
2005	17	34	68	87	98	100
2006	3	31	69	84	93	100
5-year-average	5.6	23.8	53.0	68.2	86.4	96.8

**Corn: Percentage of acreage silked, 2002-2006**

Year	Month and day					
	July			August		
	1	10	20	30	10	20
2002	0	0	8	63	88	99
2003	0	1	3	40	86	98
2004	0	1	27	61	74	86
2005	0	7	47	91	97	100
2006	0	6	44	84	95	100
5-year-average	0.0	3.0	25.8	67.8	88.0	96.6

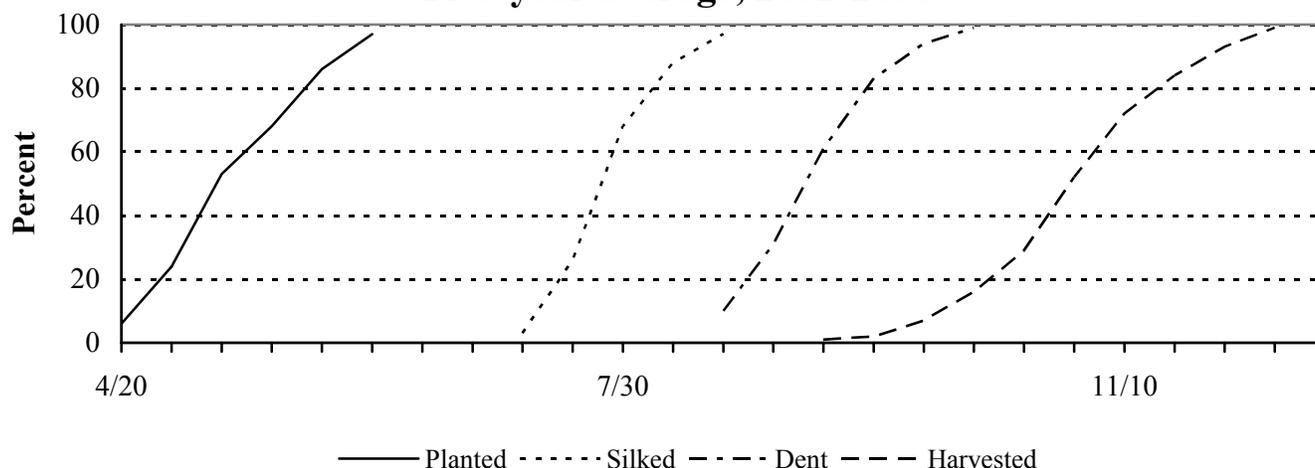
**Corn: Percentage of acreage dent stage, 2002-2006**

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
2002	0	2	16	62	96	98	100
2003	0	1	16	40	73	91	99
2004	0	1	11	34	58	82	96
2005	0	20	55	84	97	99	100
2006	1	27	55	84	93	98	100
5-year-average	0.2	10.2	30.6	60.8	83.4	93.6	99.0

**Corn: Percentage of acreage harvested for grain, 2002-2006**

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
2002	1	3	8	20	34	63	89	95	100	100
2003	0	0	4	7	19	37	54	78	91	100
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
5-year-average	0.6	2.4	6.8	15.6	29.2	51.6	72.2	84.4	93.4	98.8

## Corn progress Five-year average, 2002-2006



## Dry Edible Beans

Michigan dry bean planting was completed ahead of the 5-year average. The crop condition was rated 71 percent good to excellent for the week ending July 31, 2006. There were reports of flooded fields due to heavy rains in late July. Other farmers reported the crop improved due to these rains. Harvest began the first week of September for early planted fields. Seventy-five percent was harvested by October 1, but it wasn't until October 29 that 95 percent of the crop was harvested. Persistent rains during October

made harvest difficult. For the 4 weeks ending October 29, between 2.5 and 4.5 inches of rain fell in the major dry bean growing area.

Michigan's 2006 total dry bean production was 4.1 million hundredweight (cwt), which represented 16.8 percent of U.S. production. Michigan ranked second in dry bean production for 2006. The number one dry bean producer in the nation was North Dakota with 7.7 million cwt, down 11 percent from last year.

**Dry edible beans: Acres, yield, production, and value, 2002-2006**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	270	265	1,850	4,903	15.30	75,016
2003	170	165	1,500	2,475	19.30	47,768
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	19.20	78,432

<sup>1</sup> Marketing year average.

**Dry edible beans: Acres, yield, and production, by class, 2002-2006**

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
<b>Black</b>				
2002	110,000	108,000	1,880	2,030
2003	45,000	43,000	1,580	680
2004	74,000	73,000	1,770	1,290
2005	65,000	64,000	1,770	1,130
2006	91,600	86,600	1,930	1,670
<b>Cranberry</b>				
2002	20,000	19,000	1,530	290
2003	12,000	12,000	1,180	142
2004	9,500	9,000	1,440	130
2005	10,500	9,500	1,470	140
2006	8,000	7,900	1,460	115
<b>Great Northern</b>				
2002	3,000	3,000	2,000	60
2003	8,000	8,000	1,680	134
2004	1,000	1,000	1,600	16
2005	2,000	1,800	1,660	30
2006	500	500	2,000	10
<b>Navy</b>				
2002	85,000	84,000	1,930	1,620
2003	40,000	38,000	1,560	592
2004	55,000	54,000	1,800	970
2005	75,500	74,500	1,760	1,310
2006	80,000	77,500	1,960	1,520
<b>Pinto</b>				
2002	9,500	9,500	1,930	183
2003	11,000	10,500	1,430	150
2004	7,000	6,500	1,710	111
2005	18,000	17,500	1,600	280
2006	5,000	4,900	1,900	93
<b>Red kidney, dark</b>				
2002	8,500	8,000	1,630	130
2003	9,000	9,000	1,330	120
2004	7,000	6,500	1,230	80
2005	8,000	7,700	1,430	110
2006	4,000	3,600	1,170	42
<b>Red kidney, light</b>				
2002	15,000	14,500	1,790	260
2003	16,000	15,500	1,540	239
2004	15,000	14,500	1,460	212
2005	17,000	16,800	1,430	240
2006	11,300	10,300	1,700	175
<b>Small, red</b>				
2002	11,000	11,000	1,890	208
2003	19,000	19,000	1,470	280
2004	15,500	15,000	1,740	261
2005	31,000	30,500	1,770	540
2006	20,000	19,500	2,000	390
<b>Other</b>				
2002	8,000	8,000	1,530	122
2003	10,000	10,000	1,380	138
2004	6,000	5,500	1,360	75
2005	8,000	7,700	1,690	130
2006	4,600	4,200	1,670	70

## Hay and Haylage

Michigan hay production was estimated at 3.67 million tons, up from 3.29 in 2005. Alfalfa and alfalfa mixtures accounted for 81 percent of all dry hay produced. All hay harvested acres were estimated at 1.14 million, down from 1.15 million in 2005. The average all hay yield was 3.22 tons per acre, up 13 percent from last year. Alfalfa stands wintered well and were growing very quickly through May. First cuttings started in late May. There were several reports of alfalfa weevil above the threshold. Hay cuttings advanced

ahead of normal throughout the summer. September rains helped hay re-growth. Fourth cuttings were completed by November. Alfalfa accounted for 830,000 acres of the total harvested with a yield of 3.6 tons per acre. Other hay accounted for 310,000 acres with a yield of 2.2 tons per acre. Value of the hay crop was \$343 million, up 17 percent from 2005.

### Hay, haylage, and greenchop: Acres, yield, production, and value, 2002-2006

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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						
2002		1,100	3.23	3,551	84.50	297,801
2003		1,050	2.97	3,120	93.00	295,240
2004		1,100	2.97	3,270	94.50	304,525
2005		1,150	2.86	3,290	90.00	294,180
2006		1,140	3.22	3,670	93.50	343,032
Alfalfa hay						
2002		870	3.50	3,045	86.50	263,393
2003		850	3.20	2,720	97.00	263,840
2004		850	3.20	2,720	97.50	265,200
2005		900	3.10	2,790	92.00	256,680
2006		830	3.60	2,988	97.00	289,836
Alfalfa seedings						
2002	125					
2003	130					
2004	135					
2005	135					
2006	120					
Other hay						
2002		230	2.20	506	68.00	34,408
2003		200	2.00	400	78.50	31,400
2004		250	2.20	550	71.50	39,325
2005		250	2.00	500	75.00	37,500
2006		310	2.20	682	78.00	53,196
All haylage and greenchop						
2002		280	6.05	1,694		
2003		270	5.50	1,486		
2004		335	6.03	2,020		
2005		320	6.50	2,080		
2006		300	6.64	1,992		
Alfalfa haylage and greenchop						
2002		260	6.20	1,612		
2003		250	5.60	1,400		
2004		310	6.20	1,922		
2005		300	6.70	2,010		
2006		280	6.90	1,932		

<sup>1</sup> Marketing year average.

### Hay: Stocks on farms, 2003-2007

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2003	462	1,872
2004	250	1,893
2005	500	1,852
2006	395	2,385
2007	350	

## Maple Syrup

Michigan maple syrup production was estimated at 60,000 gallons for the 2007 season, 18,000 gallons below 2006. The tapping season was unstable due to volatile weather conditions. Producers reported syrup between low and medium quality, with average sugar content of the sap throughout the season. The length of the season was 20 days, compared to 21 days in 2006. Producers indicated that 61 percent of the syrup was medium in color.

Michigan was tied with New Hampshire as fifth in maple syrup production in 2007 and produced 5 percent of the total U.S. production. Total taps were 400,000, and the syrup yield was 0.150 gallons per tap. The average price per gallon sold in 2006 was \$37.00, and the value of production was \$2.886 million.

### Maple syrup: Taps, yield, production, price, and value, 2003-2007

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>
2003	360	0.164	59	31.20	1,841
2004	370	0.216	80	38.00	3,040
2005	390	0.149	58	36.00	2,088
2006	375	0.208	78	37.00	2,886
2007	400	0.150	60	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Published in June 2008.

## Mint

### Mint: Acres, yield, production, and value, 2002-2006

Year	Harvested	Yield	Production	Price per pound <sup>1</sup>	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					
2002	0.8	50	40	10.00	400
2003	1.1	40	44	11.00	484
2004	1.0	45	45	10.90	491
2005	1.0	35	35	12.00	420
2006	0.7	50	35	13.50	473
Spearmint					
2002	1.6	50	80	9.00	720
2003	1.6	40	64	9.50	608
2004	1.6	45	72	9.30	670
2005	1.6	35	56	9.50	532
2006	1.6	60	96	10.00	960

<sup>1</sup> Marketing year average.

## Oats

Oat acreage declined in Michigan in 2006. Growers planted 80,000 acres of oats in 2006, compared with 90,000 from the previous year. Harvested acres, at 65,000, were also down 10,000 from last year. The 2006 oat production was 4.03 million bushels, down 12 percent from the previous year. Yield, at 62 bushels per acre, was up 1 bushel from 2005.

Dry conditions in early April and May allowed growers to get much of the crop planted ahead of normal. Emergence was well

ahead of average. By the end of June, more than 74 percent of the crop was headed. Warm temperatures pushed crop progress slightly ahead of normal. Harvest was completed near the end of August, and growers reported good quality. For 2006, Sanilac County was again ranked first in oat production, while Montcalm, Shiawassee, Isabella, and Clinton rounded out the top five counties.

### Oats: Acres, yield, production, and value, 2002-2006

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	80	65	64	4,160	1.80	7,488
2003	90	75	70	5,250	1.65	8,663
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	1.85	7,456

<sup>1</sup> Marketing year average.

## Potatoes

Michigan's 2006 potato production was 14.19 million hundredweight (cwt) up slightly from 13.65 million in 2005. Planted acres were 43,500 and harvested acres were 43,000. The State's average yield was 330 cwt per acre, up from the 2005 yield of 325 cwt. Potato planting began the end of April. Planting was interrupted in the middle of May due to rain but was ultimately completed in a timely manner. Emergence was good, and potatoes grew well through the summer. Cool, wet weather during harvest

significantly slowed progress, and harvest wasn't completed until the first part of November.

For 2006, Michigan again ranked tenth among States for potato production. Most Michigan potatoes are whites, which comprised approximately 83 percent of planted acreage, followed by russets and reds at 15 and 2 percent of planted acreage, respectively. 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, 2002-2006**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	46.5	45.5	305	13,878	7.80	108,248
2003	46.0	45.5	330	15,015	7.05	105,856
2004	43.0	42.0	325	13,650	6.95	94,868
2005	43.0	42.8	325	13,910	7.90	109,889
2006	43.5	43.0	330	14,190	8.45	119,906

<sup>1</sup> Marketing year average.

**Fall potatoes: Stocks by type as percent of total stocks, December 1, 2002-2006**

Type	2002	2003	2004	2005	2006
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	88	86	89	87	87
Russet	11	13	10	12	12
Red	1	1	1	1	1

**Fall potatoes: Production and disposition, 2002-2006**

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>
2002	13,878	1,099	205	1,400	12,273
2003	15,015	1,060	265	1,680	13,070
2004	13,650	860	194	1,656	11,800
2005	13,910	1,056	182	1,728	12,000
2006	14,190	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Published in September 2007

**Fall potatoes: Stocks, 2002-2006**

Crop year	December 1	January 1	February 1	March 1	April 1	May 1
	<i>1,000 cwt</i>					
2002	7,900	6,500	5,600	4,500	2,900	1,000
2003	9,200	7,700	6,200	5,100	3,200	1,500
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	8,200	6,600	5,100	3,500	2,000	900

## Soybeans

Michigan soybean production totaled a record high 89.6 million bushels, up 17 percent from 2005. The yield was 45 bushels per acre in 2006, also a record high. Planted acres remained unchanged from 2005. Harvested acres also remained unchanged at 1.99 million. Soybean planting began in late April in most areas. Planting progress was faster in the southern districts than the central districts of the State. Soybean planting progressed very well in May. Early planted beans began to emerge, but some replanting had to be done due to frost and water damage late in the month. Growth varied by

region into July. The southeast fields had bloomed, and the central regions were flowering, while growth was behind in the southwest. Growth lagged in drier areas and nematode problems were reported in the east central region. Soybean harvest was slowed by cool, wet weather from September through November. Harvest progress was well behind normal and finished up in November as field conditions allowed. Sanilac, Lenawee, Gratiot, Saginaw, and Monroe were the top five counties in soybean production.

### Soybeans: Acres, yield, production, and value, 2002-2006

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	2,050	2,040	38.5	78,540	5.62	441,395
2003	2,000	1,990	27.5	54,725	7.30	399,493
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	45.0	89,550	6.10	546,255

<sup>1</sup> Marketing year average.

### Soybeans: Stocks by quarter, 2002-2006

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm						
	<i>1,000 bushels</i>							
2002	26,000	21,000	16,000	13,450	9,100	5,680	2,800	1,300
2003	18,000	16,900	7,300	8,200	3,200	2,200	900	685
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	18,600	12,000	11,100		

### Soybeans: Percentage of acreage planted, 2002-2006

Year	Month and day							
	May			June			July	
	10	20	30	10	20	30	10	
2002	16	26	59	88	97	100	100	
2003	7	18	55	83	97	100	100	
2004	24	35	45	72	87	97	100	
2005	34	69	90	98	100	100	100	
2006	37	56	73	90	99	100	100	
5-year-average	23.6	40.8	64.4	86.2	96.0	99.4	100.0	

### Soybeans: Percentage of acreage setting pods, 2002-2006

Year	Month and day					
	July			August		
	10	20	30	10	20	30
2002	0	4	29	62	95	100
2003	0	2	16	50	82	97
2004	0	7	23	49	76	88
2005	3	22	55	83	97	100
2006	3	22	42	74	93	99
5-year-average	1.2	11.4	33.0	63.6	88.6	96.8

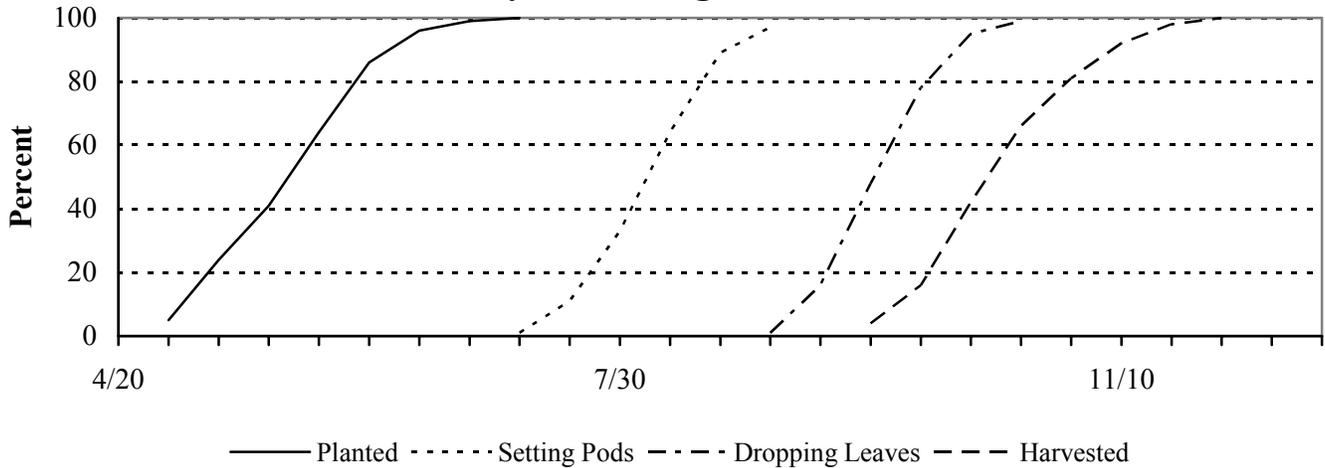
**Soybeans: Percentage of acreage shedding leaves, 2002-2006**

Year	Month and day						
	August		September			October	
	20	30	10	20	30	10	20
2002	0	0	17	52	89	99	100
2003	0	0	5	44	80	97	100
2004	0	0	4	18	52	91	96
2005	0	3	37	82	95	100	100
2006	0	1	15	44	75	90	99
5-year-average	0.0	0.8	15.6	48.0	78.2	95.4	99.0

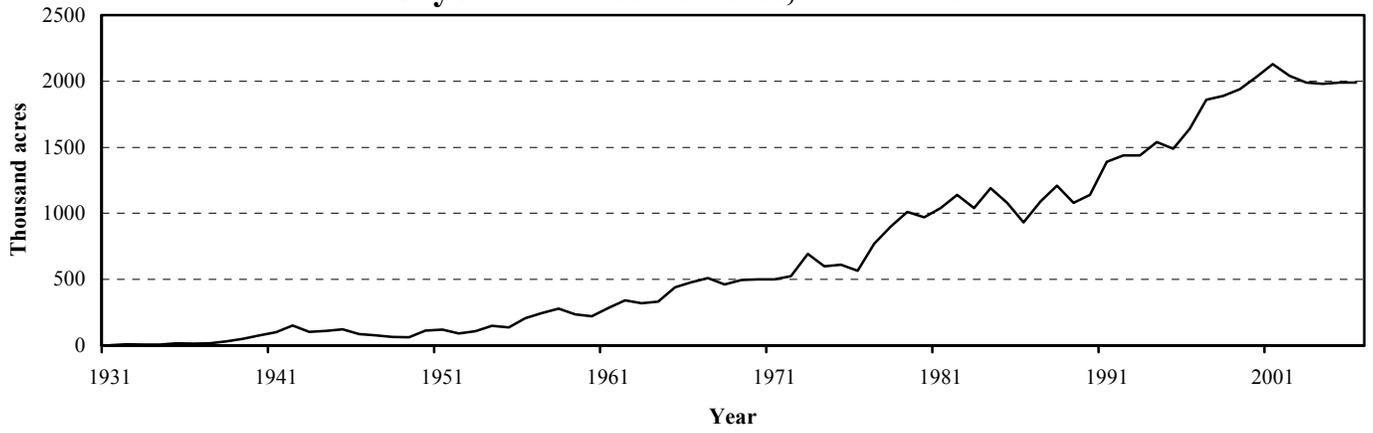
**Soybeans: Percentage of acreage harvested, 2002-2006**

Year	Month and day								
	September			October			November		
	10	20	30	10	20	30	10	20	30
2002	0	4	20	45	73	93	100	100	100
2003	0	1	7	35	72	91	97	100	100
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
5-year-average	0.0	4.2	15.6	42.4	66.4	81.2	92.2	97.8	99.6

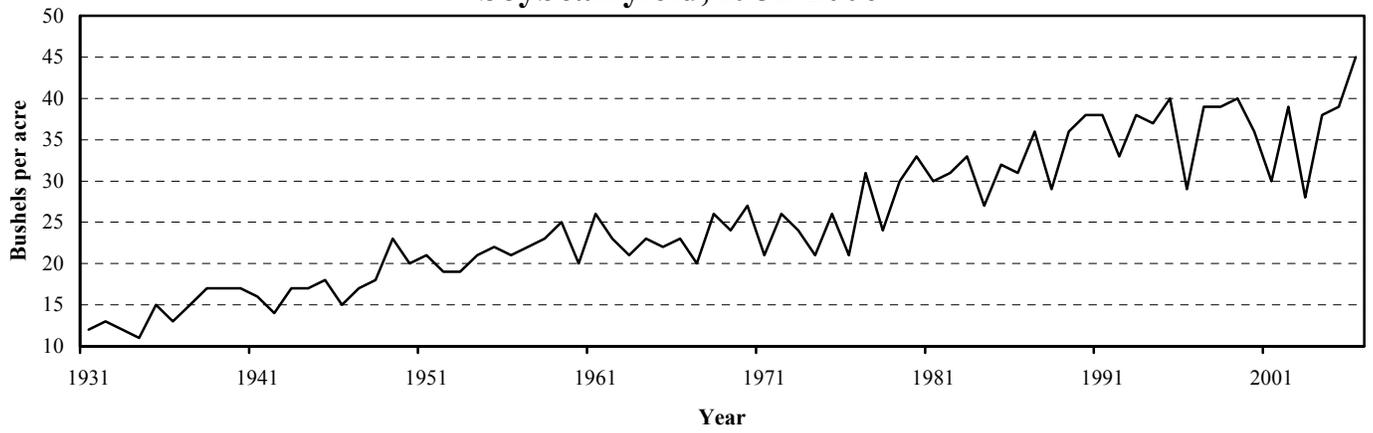
**Soybean progress  
Five-year average, 2002-2006**



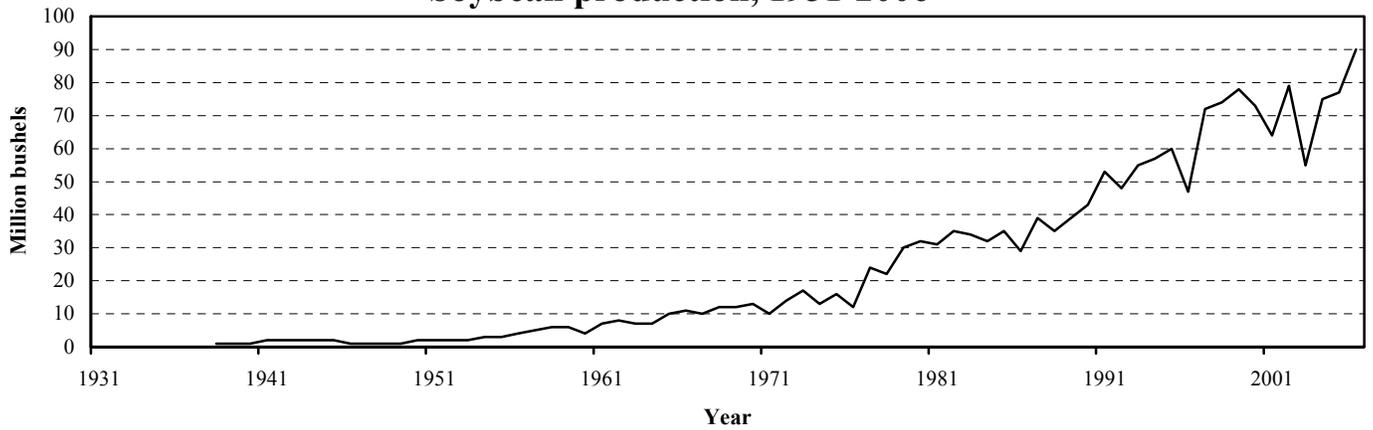
### Soybean harvested acres, 1931-2006



### Soybean yield, 1931-2006



### Soybean production, 1931-2006



## Sugarbeets

Acres planted to sugarbeets were estimated at 155,000 in 2006, up 1,000 acres from the previous year. Harvested acreage was estimated at 154,000, up from 152,000 in 2005. The yield set a new record with 23.2 tons per acre. The previous record high was 21.3 set in 1970 and 2005. As a result, production was set at 3.57 million tons, up 10 percent from 2005. Planting was finished by mid-May.

Some sugarbeet fields needed to be replanted due to excessive rains in May. Throughout the season, there were reports of Cercospora leaf spot. Sugarbeet harvest was behind normal with the pace set to meet factory needs through the second half of October. Ninety-six percent of the sugarbeets were harvested by mid-November.

**Sugarbeets: Acres, yield, production, and value, 2002-2006**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	179	177	18.1	3,204	38.20	122,393
2003	179	178	19.1	3,400	36.70	124,780
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	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Marketing year average.

<sup>2</sup> Published in February 2008.

## Wheat

Michigan's 2006 winter wheat crop totaled 47.45 million bushels, a 22 percent increase from 2005. Planted acres increased to 660,000 acres from 600,000 the previous year. Harvested acreage was up 10 percent from last year, at 650,000 acres. The average yield, at 73 bushels per acre, surpassed the previous record set in 2000. The value of the crop increased 32 percent to \$161 million. Sanilac, Huron, Lenawee, Tuscola, and Saginaw, were the top five counties in wheat production.

Winter wheat planting began on schedule and progressed faster than the five-year average. Emergence was ahead of normal. The crop over-wintered fairly well despite concerns of ice on a few fields. Warm temperatures and rainfall advanced crop growth,

pushing development well ahead of normal. Winter wheat continued to advance well with some reports of powdery mildew due to overly wet conditions. By the middle of June, heading was completed and flowering was nearly completed in many areas. Ninety-two percent of the crop was turning yellow by the first week of July, compared with a five-year average of 66 percent.

Harvest began the second week in July and concluded the second week in August. Fields were harvested with low incidence of disease. Some damage due to considerable rainfall was reported, but the crop remained in good to excellent condition.

**Wheat: Acres, yield, production, and value, 2002-2006**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	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>
2002	450	440	67	29,480	3.28	96,694
2003	680	660	68	44,880	3.25	145,860
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	3.40	161,330

<sup>1</sup> Marketing year average.

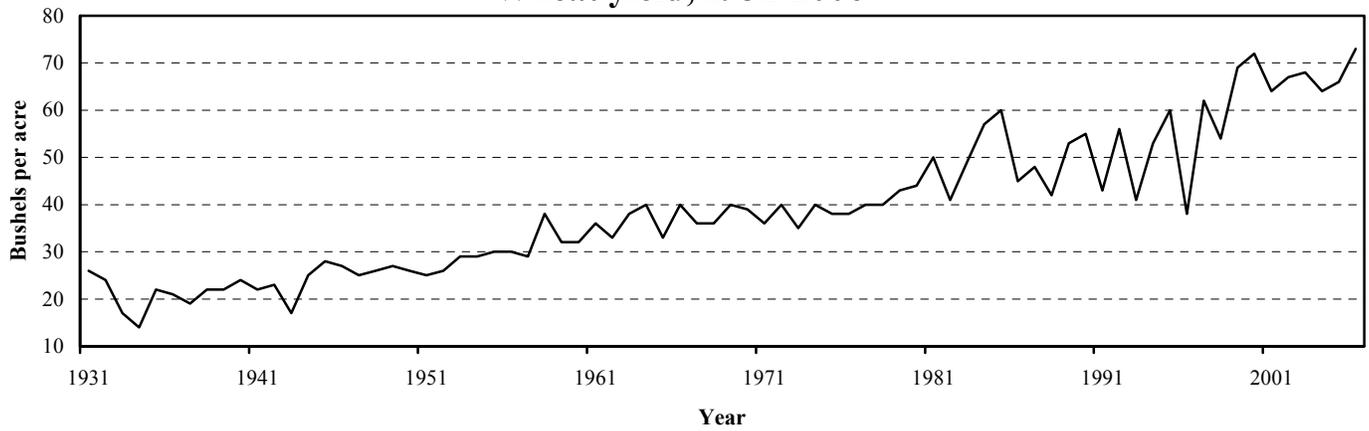
**Wheat: Stocks by quarter, 2002-2006**

Crop year	September 1		December 1		March 1		June 1	
	On farm	Off farm						
	<i>1,000 bushels</i>							
2002	2,800	23,700	1,200	15,700	400	12,450	300	6,275
2003	5,000	28,430	2,800	23,050	600	15,190	300	7,310
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	17,540	300	10,600

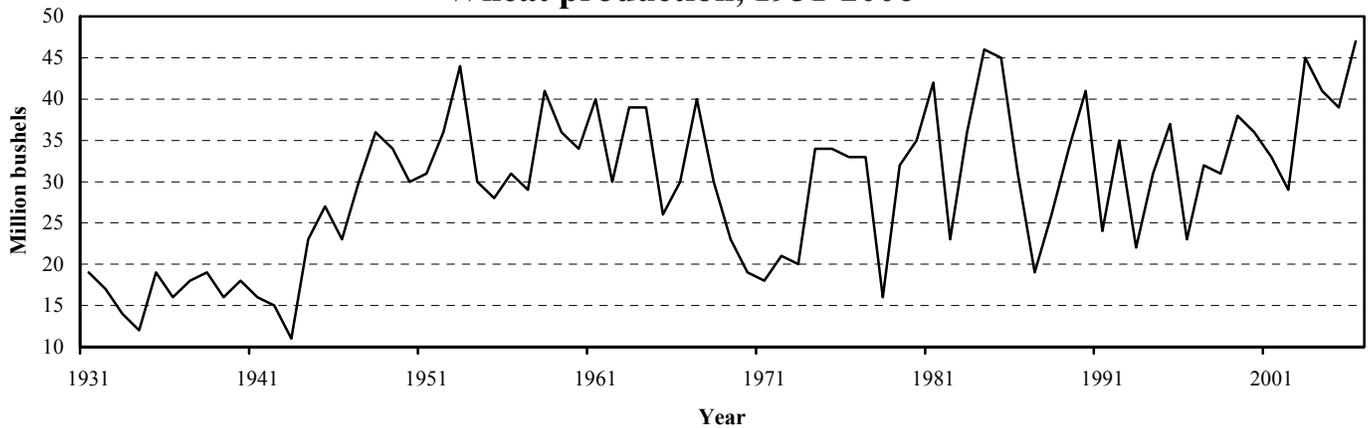
### Wheat harvested acres, 1931-2006



### Wheat yield, 1931-2006



### Wheat production, 1931-2006



## Fruit

Michigan apple production was 850 million pounds, up from 760 million pounds in 2005. The farm level value of the utilized crop was \$120.1 million. Michigan ranked third in U.S. apple production behind Washington and New York. Washington produced 5.65 billion pounds, and New York produced 1.25 billion pounds in 2006.

Tart cherry production was 190 million pounds, down from the 208 million pounds produced in 2005. The average yield was 7,200 pounds per acre. The farm level value was \$34.7 million. Sweet cherry production was 21,500 tons, down from 27,000 tons produced in 2005. The average yield was 2.79 tons per acre. The farm level value was \$18.9 million.

Cultivated blueberry production in Michigan was 83 million pounds, about 30 percent of the U.S. total. Growers harvested 16,700 acres in 2006. The farm level value was \$139.7 million.

Strawberry production in Michigan was 5.5 million pounds on 850 harvested acres. The farm level value was \$6.3 million.

Michigan peach production was 37.8 million pounds, up from 28.0 million pounds in 2005. Bearing acres were 4,500, and the farm level value was \$13.1 million. Pear production in Michigan was 3,600 tons on 800 acres. The farm level value was \$1.1 million. Michigan plum production was 3,600 tons on 700 acres. The farm level value was \$1.7 million.

Michigan grape production was 32,500 tons, down from 102,700 tons in 2005. The farm level value was \$9.7 million. There were 15,300 tons of Concord and 8,100 tons of Niagara grapes processed. There were 2,460 tons of vinifera, 1,490 tons of hybrids, and 350 tons of other varieties processed for wine. Prices for vinifera varieties averaged \$1,340 per ton, hybrids \$620 per ton, and other varieties \$225 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	87	1993	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, 2002-2006

Item	Unit	2002	2003	2004	2005	2006
Acres harvested	1,000 acres	116	113	115	113	111
Value of production	1,000 dollars	150,735	273,349	282,894	278,759	359,106

**Fruit: Acres, production, and value, 2002-2006**

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>
<b>Apples</b>						
2002	43,500	12,000	520	515	0.124	64,110
2003	41,500	21,400	890	890	0.117	103,925
2004	40,500	18,000	730	730	0.123	89,780
2005	40,000	19,000	760	755	0.126	95,038
2006	39,000	21,800	850	825	0.146	120,055
<b>Blueberries <sup>1</sup></b>						
2002	16,900	3,790	64	64	0.816	52,240
2003	15,900	3,900	62	62	1.020	63,105
2004	17,400	4,600	80	80	1.220	97,210
2005	16,800	3,930	66	66	1.270	83,500
2006	16,700	4,970	83	83	1.680	139,747
<b>Cherries, tart</b>						
2002	27,500	545	15	15	0.479	7,192
2003	27,000	5,700	154	154	0.376	57,938
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
<b>Peaches</b>						
2002	5,000	2,800	14.0	14.0	0.318	4,452
2003	5,000	9,400	47.0	43.0	0.181	7,790
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
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
<b>Cherries, sweet</b>						
2002	8,100	0.33	2,700	2,600	855	2,222
2003	8,100	1.60	13,000	13,000	830	10,795
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	2.79	21,500	21,500	883	18,922
<b>Grapes</b>						
2002	12,300	3.47	42,700	42,500	347	14,760
2003	13,200	7.16	94,500	80,500	262	21,086
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	351	9,658
<b>Pears</b>						
2002	850	1.65	1,400	1,400	318	445
2003	800	6.00	4,800	4,300	259	1,112
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
<b>Plums</b>						
2002	800	0.31	250	240	358	86
2003	800	4.50	3,600	3,600	355	1,278
2004	750	3.33	2,500	2,000	353	705
2005	750	2.67	2,000	2,000	361	722
2006	700	5.14	3,600	3,400	504	1,713

<sup>1</sup> Harvested acres.

**Apples: End-of-month stocks in cold and controlled atmosphere storage, 2002-2006**

Month	2002-03	2003-04	2004-05	2005-06	2006-07
	<i>1,000 pounds</i>				
October	237,062	438,345	336,351	351,515	383,675
November	216,805	389,636	326,921	322,792	362,253
December	173,503	316,003	268,632	261,930	323,942
January	110,495	279,373	227,805	216,048	260,604
February	99,044	222,665	185,138	158,504	211,682
March	83,016	169,470	137,500	105,340	143,579
April	22,467	87,284	81,771	68,511	87,067

**Apples: Utilization and price, 2002-2006**

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>
2002	150	0.223	365	0.084	515	0.124
2003	310	0.195	580	0.075	890	0.117
2004	240	0.202	490	0.084	730	0.123
2005	265	0.210	490	0.080	755	0.126
2006	285	0.268	540	0.081	825	0.146

**Apples, processing: Utilization and price, 2002-2006**

Year	Canned		Frozen <sup>1</sup>		Juice and cider		Other	
	Quantity	Price per lb						
	<i>Million pounds</i>	<i>Dollars</i>						
2002	135	0.100	90	0.105	135	0.052	5	0.122
2003	190	0.088	180	0.092	200	0.048	10	0.070
2004	210	0.090	157	0.098	115	0.055	8	0.090
2005	195	0.088	147	0.095	140	0.055	8	0.090
2006	220	0.090	127	10.200	190	0.055	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Includes fresh slices.

<sup>2</sup> Not published to avoid disclosure of individual operations.

**Blueberries: Utilization and price, 2002-2006**

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>
2002	64	64	22	1.210	42	0.610
2003	62	62	24	1.300	38	0.840
2004	80	80	36	1.600	44	0.900
2005	66	66	25	1.700	41	1.000
2006	83	83	29	2.150	54	1.430

**Cherries, sweet: Production and utilization, 2002-2006**

Year	Total production	Utilized production							
		Fresh		Canned		Brined		Other <sup>1</sup>	
		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>
2002	2,700	200	2,540	280	1,000	1,700	630	420	864
2003	13,000	500	2,230	1,500	920	8,000	675	3,000	967
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	21,500	2,500	2,500	670	800	12,200	550	6,130	897

<sup>1</sup> Frozen, juice, etc.

**Cherries, tart: Utilization, 2002-2006**

Year	Production		Fresh market	Processed					
	Total	Utilized		Canned		Frozen		Other <sup>1</sup>	
				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>
2002	15	15	0.1	6.5	0.460	8	0.500	0.4	0.330
2003	154	154	0.5	53.0	0.390	95	0.370	5.5	0.317
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

<sup>1</sup> Juice, wine, and dried.

**Cherries, tart: Production by region, 2002-2006**

Region	2002	2003	2004	2005	2006
	<i>Million pounds</i>				
Northwest	3	98	88	129	115
West Central	4	37	37	64	49
Southwest and other	8	19	24	15	26
Michigan	15	154	149	208	190

**Cherries, tart, frozen: Stocks in cold storage, 2003-2006**

Month	East North Central region <sup>1</sup>				48 States total <sup>2</sup>			
	2003-04	2004-05	2005-06	2006-07	2003-04	2004-05	2005-06	2006-07
	<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	45,965	61,428	114,768	122,154	69,005	80,072	136,042	137,736
August	90,774	75,027	118,997	115,591	112,485	93,985	150,216	143,082
September	75,421	81,990	111,371	107,942	96,049	99,862	139,969	133,717
October	65,551	76,405	105,240	101,127	83,314	92,953	131,846	123,486
November	59,728	66,474	97,377	93,505	76,485	81,816	117,828	112,606
December	53,734	59,699	92,220	89,022	68,945	76,570	110,359	110,361
January	47,307	52,659	85,006	80,445	60,825	74,505	102,319	97,425
February	39,005	50,014	77,281	73,593	50,575	69,829	92,935	88,896
March	32,487	41,662	66,486	64,283	41,893	56,106	78,660	76,170
April	25,202	35,580	60,926	55,544	32,281	47,832	71,560	66,958
May	19,015	28,951	52,818	45,509	23,971	39,172	61,316	58,337
June	13,717	21,786	42,339	36,519	17,273	27,701	47,806	48,989

<sup>1</sup> Illinois, Indiana, Michigan, Ohio, and Wisconsin.

<sup>2</sup> Excluding Alaska and Hawaii.

**Grapes: Processed utilization and value, 2002-2006**

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>
2002	25,300	13,900	3,000	42,200	344	14,520
2003	51,000	27,000	2,000	80,000	259	20,686
2004	34,900	19,400	3,200	57,500	262	13,290
2005	66,500	31,000	4,500	102,000	205	20,958
2006	15,350	8,100	3,950	27,400	347	9,498

**Grapes: Processed for wine by category, 2002-2006**

Year	Hybrids		Vinifera		Other		Total		
	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>
2002	1,300	425	1,650	1,330	50	250	3,000	920	2,760
2003	900	600	1,050	1,200	50	200	2,000	905	1,810
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

**Peaches: Utilization and value, 2002-2006**

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>
2002	10.6	0.370	3,922	1,700	312	530
2003	25.0	0.200	5,000	9,000	310	2,790
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

**Plums: Utilization and value, 2002-2006**

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>
2002	60	600	36	180	278	50
2003	1,100	480	528	2,500	300	750
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

**Strawberries: Acres, production and value, 2002-2006**

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>
2002	1,300	1,200	47	56	93.40	5,228
2003	1,200	1,100	57	63	100.00	6,320
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

**Strawberries: Utilization and value, 2002-2006**

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>
2002	51	98	4,998	5	46	230
2003	58	105	6,090	5	46	230
2004	36	105	3,780	5	45	225
2005	47	99	4,653	5	45	225
2006	52	118	6,136	3	50	149

**Refrigerated warehouses: Number and capacity, October 1, 2005 <sup>1</sup>**

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	155		29,278	7,175
General-public	24	45,982	6,896	
General-private and semi-private	18	16,751	4,408	

<sup>1</sup> Conducted biennially.

## Vegetables

Michigan vegetable growers produced 825,470 tons of fresh and processed vegetables in 2006. Harvested acreage was 111,100. Value of production totaled \$218 million. Nationally, Michigan ranked ninth and fifth, respectively, for fresh market and processing vegetable value of production.

Michigan farmers produced 8.64 million hundredweight (cwt) of fresh market vegetables, a decrease of 3 percent from 2005. Processing vegetable production totaled 393,270 tons. Vegetable planting activities had progressed steadily for much of the State through mid June. Planting and transplanting continued in June with cooler than normal weather and light precipitation. By early

summer, vegetable crops were progressing rapidly due to the excellent growing conditions.

Michigan ranked third among States for dual purpose asparagus production with 257,000 cwt produced, up 11 percent from last year's 232,000 cwt. Harvest was past the midpoint by the end of May, but the crop exhibited some damage because of earlier cold temperatures. In early June, yields increased due to warmer weather. High heat and lack of moisture during the middle of June caused many areas to have some disease and insect damage. Harvest wrapped up the third week in June.

### 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	180,900	2003	8,900	1932	
Onions						
Harvested	1,000 acres	12.7	1935	2.6	2006	1928
Yield	Cwt	350	1960	120	1935	
Production	1,000 cwt	2,833	1948	650	2006	
Tomatoes (fresh market)						
Harvested	1,000 acres	9.4	1943	1.8	2001	1928
Yield	Cwt	260	2004	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, 2002-2006**

Item	Unit	2002	2003	2004	2005 <sup>1</sup>	2006
Acres harvested	1,000 acres	120	117	121	107	111
Value of production	1,000 dollars	213,604	226,812	232,401	186,062	217,653

<sup>1</sup> Processing tomatoes excluded to avoid disclosure of individual operations.

**Principal vegetables, fresh market: Acres, production, and value, 2002-2006**

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 dollars</i>
2002	69,300	63,900	9,279	160,586
2003	71,100	64,200	9,854	170,366
2004	68,400	64,000	9,611	175,899
2005	59,200	55,200	8,884	146,330
2006	58,400	54,800	8,644	161,416

**Principal vegetables, processing: Acres, production, and value, 2002-2006**

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 dollars</i>
2002	57,700	55,900	386,130	53,018
2003	53,900	52,700	389,710	56,446
2004	57,700	56,600	374,780	56,502
2005 <sup>1</sup>	53,300	51,400	275,540	39,732
2006	58,100	56,300	393,270	56,237

<sup>1</sup> Processing tomatoes excluded to avoid disclosure of individual operations.

**Vegetables, processing: Acres, production, and value, 2002-2006**

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						
2002	1,800	1,800	23.00	41,400	67.00	2,774
2003	1,700	1,600	24.00	38,400	69.00	2,650
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	1,800	1,700	23.00	39,100	74.00	2,893
Cucumbers						
2002	35,500	34,500	4.60	158,700	190.00	30,153
2003	34,000	33,500	5.40	180,900	200.00	36,180
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
Snap beans						
2002	16,700	16,000	3.75	60,030	160.00	9,633
2003	14,800	14,300	3.15	45,010	160.00	7,208
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
Tomatoes						
2002	3,700	3,600	35.00	126,000	83.00	10,458
2003	3,400	3,300	38.00	125,400	83.00	10,408
2004	3,600	3,500	31.00	108,500	81.00	8,789
2005 <sup>1</sup>						
2006	3,300	3,300	35.00	115,500	87.00	10,049

<sup>1</sup> Estimates not published to avoid disclosure of individual operations.

**Vegetables, fresh market: Acres, production, and value, 2002-2006**

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value <sup>1</sup>
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
<b>Beans, snap</b>						
2002	4,000	3,900	45	176	38.00	6,688
2003	4,300	4,000	40	160	25.00	4,000
2004	4,400	4,100	45	185	45.00	8,325
2005	4,300	4,100	55	226	60.00	13,560
2006	4,000	3,600	55	198	40.00	7,920
<b>Cabbage</b>						
2002	1,900	1,800	300	540	12.00	6,480
2003	2,000	1,800	320	576	10.00	5,760
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
<b>Carrots</b>						
2002	4,300	4,000	330	1,320	13.00	17,160
2003	4,400	4,200	350	1,470	13.10	19,257
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	2,900	2,500	320	800	18.00	14,400
<b>Corn, sweet</b>						
2002	11,000	10,000	80	800	21.00	16,800
2003	11,000	9,500	90	855	16.60	14,193
2004	10,500	9,500	75	713	19.50	13,904
2005	9,000	8,000	100	800	20.00	16,000
2006	9,000	8,300	110	913	18.00	16,434
<b>Cucumbers</b>						
2002	6,800	6,000	190	1,140	18.00	20,520
2003	7,300	6,400	160	1,024	20.40	20,890
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
<b>Onions</b>						
2002	4,000	3,900	230	897	12.50	8,963
2003	3,700	3,600	320	1,152	14.50	13,369
2004	3,500	3,400	290	986	8.60	8,521
2005	3,000	2,900	260	754	10.10	7,852
2006	2,700	2,600	250	650	11.70	7,592
<b>Tomatoes</b>						
2002	2,100	2,000	210	420	30.50	12,810
2003	2,300	2,200	220	484	34.00	16,456
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

<sup>1</sup> Value of sales for onions.

**Vegetables, dual purpose: Acres, production, and value, 2002-2006**

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						
2002	16,000	15,000	15	219	53.40	11,703
2003	16,000	15,000	21	317	60.80	19,278
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
Celery						
2002	2,200	2,100	470	987	14.60	14,441
2003	2,300	2,200	530	1,166	15.10	17,641
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
Peppers, bell						
2002	1,800	1,600	250	400	24.00	9,600
2003	1,800	1,800	250	450	22.00	9,900
2004	1,800	1,800	290	522	26.00	13,572
2005	1,500	1,400	280	392	23.00	9,016
2006	1,400	1,300	270	351	26.00	9,126
Pumpkins						
2002	8,000	6,800	120	816	16.00	13,056
2003	8,500	7,300	140	1,022	14.00	14,308
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
Squash						
2002	7,200	6,800	230	1,564	14.30	22,365
2003	7,500	6,200	190	1,178	13.00	15,314
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	8,700	8,400	210	1,764	8.50	14,994

**Asparagus: Utilization and value, 2002-2006**

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>
2002	21	67.00	1,407	9,900	1,040	10,296
2003	43	66.00	2,838	13,700	1,200	16,440
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

**U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 2002-2006**

Year	From current year crop			From previous year crop		Total stocks
	Salt stock including dill	Fresh pack	Refrigerated	Salt stock including dill	Fresh pack	
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2002	225,243	54,329	1,236	19,772		300,580
2003	210,291	57,695	44,628	13,259	27,700	353,573
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

**Principal vegetables: Number of farms and harvested acres, 2005**

County and district	Farms	Processing	Fresh market	Total
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Delta	13	0	485	485
Dickinson	7	0	245	245
Marquette	6	200	160	360
Other counties	24	100	230	330
Upper Peninsula	50	300	1,120	1,420
Antrim	21		1,800	1,800
Grand Traverse	20	750	300	1,050
Kalkaska	6	450	700	1,150
Manistee	18	400	220	620
Other counties	40	800	650	1,450
Northwest	105	2,400	3,670	6,070
Presque Isle	20		1,450	1,450
Other counties	50		750	750
Northeast	70	0	2,200	2,200
Mason	44	4,000	400	4,400
Muskegon	18	1,800	250	2,050
Newaygo	33	1,400	3,250	4,650
Oceana	123	9,800	2,600	12,400
Gratiot	27	6,200	450	6,650
Isabella	10	1,700	700	2,400
Mecosta	22	4,750	400	5,150
Midland	15	950	50	1,000
Montcalm	43	17,100	350	17,450
Other counties	15	200	250	450
West Central & Central	350	47,800	8,700	56,600
Arenac	15	1,300	200	1,500
Bay	63	3,400	2,800	6,200
Saginaw	30	5,250	550	5,800
Tuscola	33	3,250	550	3,800
Other counties	24	500	400	900
East Central	165	13,700	4,500	18,200
Allegan	51	2,950	2,500	5,450
Berrien	134	650	6,350	7,000
Cass	22	2,650	2,550	5,200
Kalamazoo	24	2,300	400	2,700
Kent	47	600	1,800	2,400
Ottawa	60	150	3,500	3,650
Van Buren	62	7,400	2,800	10,200
Southwest	400	16,700	19,900	36,600
Branch	20	2,900	300	3,200
Calhoun	20	600	300	900
Clinton	23	150	300	450
Eaton	17	350	1,200	1,550
Ingham	22	200	1,000	1,200
Ionia	9	0	600	600
Jackson	24	0	700	700
St Joseph	44	11,600	1,500	13,100
Other counties	41	150	750	900
South Central	220	15,950	6,650	22,600

**Principal vegetables: Number of farms and harvested acres, 2005 (continued)**

County and district	Farms	Processing	Fresh market	Total
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Genesee	28	800	300	1,100
Lapeer	35	200	2,100	2,300
Lenawee	29	3,050	1,000	4,050
Livingston	20	0	1,250	1,250
Macomb	56	0	3,000	3,000
Monroe	45	2,200	2,050	4,250
Oakland	18	0	350	350
St Clair	28	0	600	600
Washtenaw	38	0	2,600	2,600
Wayne	33	0	1,100	1,100
Southeast	330	6,250	14,350	20,600
Michigan	1,690	103,100	61,090	164,290

**Principal vegetables: Planted and harvested acres**

Vegetable	2001			2005		
	Total planted	Harvested for processing	Harvested for fresh market	Total Planted	Harvested for processing	Harvested for fresh market
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Asparagus	15,500	11,500	2,800	12,700	9,200	3,000
Beans, snap	20,700	16,000	3,800	21,300	16,200	4,100
Cabbage	2,300	300	1,800	2,350	550	1,750
Cantaloups	600	0	500	600	0	550
Carrots	6,550	1,500	4,800	5,400	2,250	3,000
Celery	2,000	500	1,400	1,700	630	970
Corn, sweet	10,500	0	9,000	9,000	0	8,000
Cucumbers	37,500	29,500	5,500	39,500	33,000	5,200
Onions, dry	4,100	0	3,700	3,000	0	2,900
Peas, green	1,750	1,500	45	2,800	2,600	90
Peppers, bell	1,900	200	1,400	1,500	150	1,300
Peppers, other	1,400	1,100	250	1,300	900	350
Potatoes	46,000	31,500	11,100	43,000	31,200	9,400
Pumpkins	5,500	0	4,400	6,000	0	5,200
Squash, summer	3,200	800	2,200	3,400	680	2,250
Squash, winter	3,700	1,100	2,300	5,200	2,370	2,600
Tomatoes	5,200	3,100	1,800	5,200	3,150	1,950
Other	8,350	150	7,150	9,300	220	8,480
Michigan	176,750	98,750	63,945	173,250	103,100	61,090

## Horticulture

Michigan placed third nationally in value of wholesale sales of floriculture products in 2006. Only California and Florida reported larger sales than Michigan. Reports from Michigan's 659 commercial growers (\$10,000 or more in gross sales) showed an estimated wholesale value of \$379 million for all surveyed floriculture crops, down 1.7 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100,000 or more in sales plus a calculated wholesale value of sales for operations with sales from \$10,000 to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$100,000 in sales were:

First, annual bedding/garden plants with \$193 million in sales.

Second, propagative materials with \$82 million in sales.

Third, herbaceous perennial plants with \$46 million in sales.

Fourth, potted flowering plants with \$31 million in sales.

Michigan led the nation in value of sales for 12 floriculture crops:

- Impatiens (flats) with 2.2 million flats sold, valued at \$15.5 million.
- Begonia Hanging Baskets with 473,000 baskets sold, valued at \$2.7 million.
- Geranium Hanging Baskets (cuttings) with 721,000 baskets sold, valued at \$4.8 million.
- Impatiens Hanging Baskets with 648,000 baskets sold, valued at \$3.4 million.
- New Guinea Impatiens Hanging Baskets with 719,000 baskets sold, valued at \$4.7 million.
- Petunias Hanging Baskets with 746,000 baskets sold, valued at \$4.4 million.

- Other Flowering Hanging Baskets with 2.2 million baskets sold, valued at \$ 13.7 million.
- Potted Geraniums (cuttings) with 4.3 million pots sold, valued at \$10.8 million.
- Potted Geraniums (seed) with 19.7 million pots sold, valued at \$15.5 million.
- Potted New Guinea Impatiens with 4.3 million pots sold, valued at \$6.3 million.
- Potted Petunias with 2.2 million pots sold, valued at \$4.8 million.
- Potted Easter Lilies with 1.2 million pots sold, valued at \$4.5 million.

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

- Begonias (flats) with 1.1 million flats sold, valued at \$8.2 million.
- Geraniums (cuttings) with 183,000 flats sold, valued at \$1.4 million.
- Marigolds (flats) with 760,000 flats sold, valued at \$5.5 million.
- Petunias (flats) with 1.6 million flats sold, valued at \$11.8 million.
- Geranium (seed) Hanging Baskets with 69,000 baskets sold, valued at \$407,000.
- Pansy/Viola Hanging Baskets with 112,000 baskets sold, valued at \$517,000.
- New Guinea Impatiens (flats) with 70,000 flats sold, valued at \$716,000.

**Floriculture crops: Number of growers by gross value of sales, 2002-2006**

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>
2002	60	121	65	187	234	124	791
2003	58	96	47	188	220	134	743
2004	49	89	46	182	216	139	721
2005	46	94	41	173	203	140	697
2006	53	76	42	152	194	142	659

**Floriculture crops: Growing area by type of cover, 2002-2006**

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>
2002	4,653	3,884	36,501	45,038	1,370	46,408	3,831
2003	4,657	4,191	37,424	46,272	1,569	47,841	3,237
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	4,138	6,055	36,841	47,034	1,161	48,195	3,620

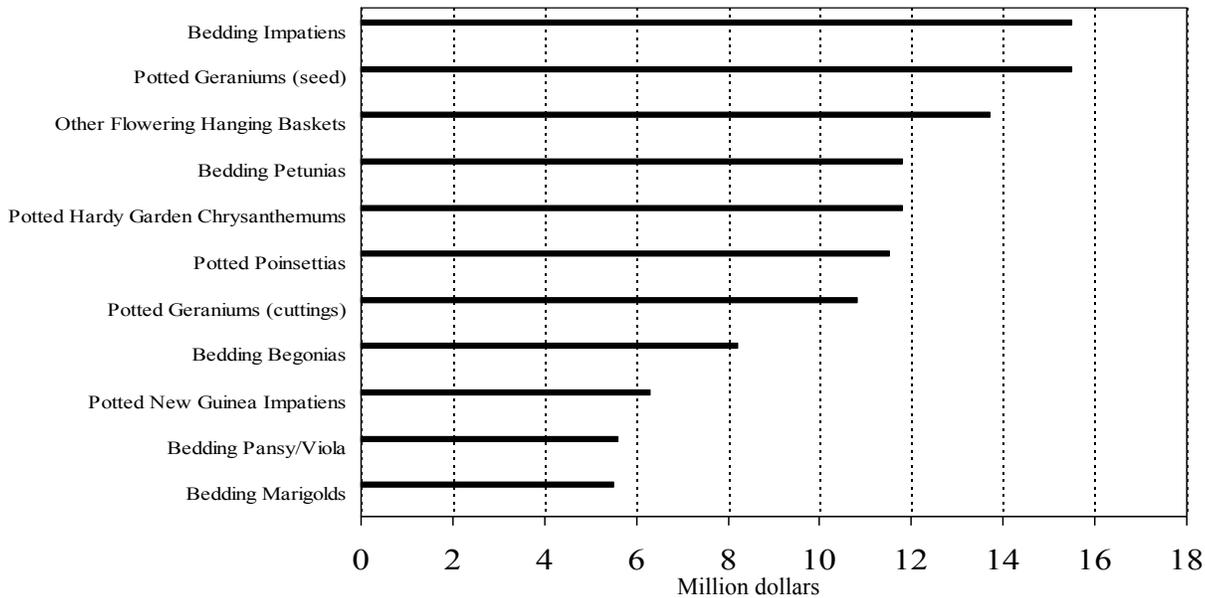
**Floriculture crops: Wholesale value of sales by category, 2002-2006**

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 <sup>1</sup>
	<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>
2002	8,299	30,736	3,699	217,773	306,271	326,778
2003	8,797	32,400	3,375	230,322	322,980	342,190
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	6,643	30,750	4,837	238,831	363,158	378,893

<sup>1</sup> 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, 2006**

Value of Sales



**Bedding plants: Producers, quantity sold, price, and value, 2002-2006**

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>
<b>Begonias</b>					
2002	217	1,008	81	7.13	7,187
2003	227	1,026	82	6.66	6,833
2004	232	1,114	81	7.12	7,932
2005	225	1,350	86	7.18	9,693
2006	222	1,080	83	7.55	8,154
<b>Geraniums from cuttings</b>					
2002	21	76	33	12.55	954
2003	18	57	20	11.37	648
2004	16	67	33	15.24	1,021
2005	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2006	11	183	73	7.91	1,448
<b>Geraniums from seed</b>					
2002	47	105	89	10.56	1,109
2003	40	83	77	10.86	901
2004	32	73	74	11.41	833
2005	35	60	83	11.32	679
2006	32	51	86	11.55	589
<b>Impatiens</b>					
2002	224	2,372	88	7.40	17,553
2003	238	2,383	86	6.85	16,324
2004	235	2,302	86	7.01	16,137
2005	221	2,063	85	7.41	15,287
2006	228	2,152	86	7.18	15,451
<b>Marigolds</b>					
2002	219	731	90	7.39	5,402
2003	231	823	87	6.77	5,572
2004	234	814	87	7.08	5,763
2005	227	772	84	7.34	5,666
2006	229	760	85	7.30	5,548
<b>New Guinea Impatiens</b>					
2002	41	103	73	9.89	1,019
2003	28	137	80	7.86	1,077
2004	21	65	49	10.01	651
2005	23	78	84	10.67	832
2006	20	70	86	10.23	716
<b>Pansies/Violas</b>					
2002	208	821	91	7.34	6,026
2003	216	920	91	6.57	6,044
2004	218	882	91	6.77	5,971
2005	206	804	88	7.03	5,652
2006	204	823	87	6.76	5,563
<b>Petunias</b>					
2002	252	1,430	87	7.42	10,611
2003	252	1,641	85	6.85	11,241
2004	256	1,644	86	7.05	11,590
2005	248	1,557	85	7.41	11,537
2006	242	1,590	86	7.45	11,846
<b>Other flowering and foliar</b>					
2002	241	3,768	86	7.45	28,072
2003	244	4,403	85	6.85	30,161
2004	246	3,917	85	7.26	28,437
2005	242	3,673	85	7.67	28,172
2006	234	3,984	88	7.57	30,159
<b>Vegetables <sup>2</sup></b>					
2002	186	585	83	7.12	4,165
2003	181	506	78	6.93	3,507
2004	186	569	80	7.33	4,171
2005	182	630	74	8.16	5,141
2006	190	648	73	8.06	5,223

<sup>1</sup> Not published to avoid disclosure of individual operations.

<sup>2</sup> Does not include vegetable transplants grown for commercial use.

**Hanging baskets: Producers, quantity sold, price, and value, 2002-2006**

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					
2002	148	350	83	5.84	2,044
2003	165	348	87	5.94	2,067
2004	165	394	86	5.78	2,277
2005	169	435	86	5.63	2,449
2006	166	473	88	5.62	2,658
Geraniums from cuttings					
2002	211	546	82	6.79	3,707
2003	222	826	84	6.53	5,394
2004	212	784	83	6.56	5,143
2005	213	717	81	6.69	4,797
2006	208	721	81	6.69	4,823
Geraniums from seed					
2002	28	53	91	6.54	347
2003	27	47	91	6.30	296
2004	25	59	95	5.75	339
2005	29	68	97	6.19	421
2006	21	69	97	5.90	407
Impatiens					
2002	180	453	88	5.43	2,460
2003	200	496	84	5.28	2,619
2004	198	472	82	5.23	2,469
2005	200	551	86	5.09	2,805
2006	189	648	89	5.30	3,434
Marigolds					
2002	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2003	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2004	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2005	3	2	100	4.98	10
2006	6	13	100	3.45	45
New Guinea Impatiens					
2002	224	766	89	6.83	5,232
2003	224	770	87	6.75	5,198
2004	221	813	90	6.37	5,179
2005	218	804	90	6.22	5,001
2006	215	719	91	6.55	4,709
Pansies/Violas					
2002	33	51	93	5.54	283
2003	36	49	89	5.52	270
2004	30	46	86	5.24	241
2005	35	85	95	4.80	408
2006	38	112	92	4.62	517
Petunias					
2002	170	346	87	5.66	1,958
2003	196	469	85	5.80	2,720
2004	197	517	86	5.25	2,714
2005	193	545	83	5.49	2,992
2006	188	746	90	5.90	4,401
Other flowering					
2002	191	1,595	88	6.22	9,921
2003	197	1,780	86	5.91	10,520
2004	208	1,968	83	6.10	12,005
2005	204	2,098	84	6.05	12,693
2006	196	2,173	87	6.29	13,668
Foliage					
2002	58	323	95	5.02	1,621
2003	61	213	92	4.81	1,025
2004	65	430	93	4.42	1,901
2005	62	273	91	4.81	1,313
2006	68	354	90	4.49	1,589

<sup>1</sup> Not published to avoid disclosure of individual operations.

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2002-2006**

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								
2002	28	( <sup>1</sup> )	94	94	87	( <sup>1</sup> )	7.29	685
2003	23	( <sup>1</sup> )	89	89	85	( <sup>1</sup> )	7.50	667
2004	24	( <sup>1</sup> )	93	93	87	( <sup>1</sup> )	7.82	727
2005	20	( <sup>1</sup> )	68	68	87	( <sup>1</sup> )	7.60	517
2006	22	( <sup>1</sup> )	78	78	89	( <sup>1</sup> )	7.23	564
Begonias								
2002	72	459	54	513	80	1.08	3.60	690
2003	87	563	145	708	90	1.51	2.55	1,220
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	93	433	86	519	84	1.07	4.23	827
Chrysanthemums, florist								
2002	37	104	511	615	97	1.69	3.00	1,709
2003	31	49	465	514	98	1.62	2.61	1,293
2004	32	35	204	239	75	1.64	3.99	871
2005	24	28	262	290	89	1.71	5.99	1,617
2006	28	38	143	181	81	1.54	4.24	665
Chrysanthemums, hardy garden								
2002	127	227	3,611	3,838	94	1.29	1.69	6,395
2003	124	370	4,461	4,831	94	1.69	1.70	8,209
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	138	613	5,008	5,621	94	1.06	2.22	11,768
Easter Lilies								
2002	48	146	1,282	1,428	97	2.75	3.52	4,914
2003	43	( <sup>1</sup> )	1,296	1,296	97	( <sup>1</sup> )	3.58	4,633
2004	38	91	1,290	1,381	97	1.72	3.66	4,878
2005	39	( <sup>1</sup> )	1,267	1,267	98	( <sup>1</sup> )	3.62	4,580
2006	43	( <sup>1</sup> )	1,170	1,170	97	( <sup>1</sup> )	3.88	4,543
Geraniums from cuttings								
2002	215	4,152	1,211	5,363	77	1.40	2.47	8,804
2003	223	3,574	1,333	4,907	69	1.73	3.30	10,582
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	223	3,120	1,212	4,332	65	1.83	4.18	10,776
Geraniums from seed								
2002	98	16,156	10	16,166	98	0.81	3.46	13,121
2003	111	13,528	( <sup>1</sup> )	13,528	97	0.85	( <sup>1</sup> )	11,472
2004	109	16,726	( <sup>1</sup> )	16,726	98	0.81	( <sup>1</sup> )	13,565
2005	100	15,792	79	15,871	98	0.78	4.89	12,704
2006	103	19,597	53	19,650	99	0.78	3.70	15,482
Impatiens								
2002	46	309	123	432	95	0.96	1.85	524
2003	52	408	176	584	96	1.41	1.98	924
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	58	506	112	618	94	0.79	4.35	887
Marigolds								
2002	14	71	22	93	98	0.84	1.93	102
2003	19	59	60	119	97	0.77	1.63	143
2004	28	113	171	284	98	0.85	1.84	411
2005	24	113	82	195	97	0.76	1.63	220
2006	16	( <sup>1</sup> )	182	182	97	( <sup>1</sup> )	2.04	372
New Guinea Impatiens								
2002	174	3,535	230	3,765	95	1.23	3.27	5,100
2003	179	3,845	357	4,202	92	1.28	3.90	6,314
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	183	4,052	287	4,339	93	1.24	4.53	6,325

See footnote(s) at end of table.

--continued

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2002-2006 (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>
<b>Pansies/Violas</b>								
2002	31	576	141	717	98	0.68	2.59	757
2003	45	220	417	637	97	0.82	1.97	1,002
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	46	1,682	( <sup>1</sup> )	1,682	98	1.10	( <sup>1</sup> )	1,845
<b>Petunias</b>								
2002	62	461	312	773	94	0.85	2.44	1,153
2003	76	619	803	1,422	92	1.49	1.99	2,520
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	93	1,153	1,089	2,242	90	1.34	2.95	4,758
<b>Poinsettias</b>								
2002	93	915	2,847	3,762	90	1.60	4.12	13,194
2003	84	958	2,770	3,728	90	1.65	4.21	13,242
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	81	540	2,311	2,851	91	1.99	4.52	11,520
<b>Roses, florist</b>								
2002	10	87	( <sup>1</sup> )	87	95	3.59	( <sup>1</sup> )	312
2003	9	( <sup>1</sup> )	64	64	94	( <sup>1</sup> )	3.61	231
2004	6	79	( <sup>1</sup> )	79	96	3.20	( <sup>1</sup> )	253
2005	13	( <sup>1</sup> )	54	54	88	( <sup>1</sup> )	3.86	209
2006	18	77	( <sup>1</sup> )	77	93	3.87	( <sup>1</sup> )	298
<b>Flowering bulbs</b>								
2002	49	666	1,467	2,133	99	1.52	3.29	5,839
2003	40	901	1,398	2,299	99	2.07	3.32	6,506
2004	41	751	1,531	2,282	98	1.46	3.21	6,011
2005	40	6,921	( <sup>1</sup> )	6,921	100	1.25	( <sup>1</sup> )	8,679
2006	44	653	1,395	2,048	99	1.40	3.56	5,880
<b>Other flowering plants</b>								
2002	60	977	455	1,432	87	1.58	4.31	3,505
2003	54	1,554	801	2,355	89	1.18	3.87	4,934
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	55	992	563	1,555	70	1.31	4.67	3,929
<b>Other flowering and foliar type bedding plants</b>								
2002	125	10,294	2,805	13,099	95	1.07	3.12	19,766
2003	137	12,733	4,296	17,029	92	1.38	3.10	30,889
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	149	15,057	3,341	18,398	89	1.15	3.56	29,210
<b>Vegetable type <sup>2</sup></b>								
2002	73	1,066	164	1,230	93	0.69	2.16	1,090
2003	91	1,241	206	1,447	85	0.79	2.10	1,413
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	90	2,999	392	3,391	94	0.53	3.65	3,020

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

<sup>2</sup> Does not include vegetable transplants grown for commercial use.

**Herbaceous perennials: Producers, quantity sold, price, and value, 2002-2006**

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										
2002	115	936	907	47	1,890	92	2.50	3.68	6.22	5,970
2003	126	825	1,020	69	1,914	90	2.49	3.64	5.85	6,171
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	114	448	554	69	1,071	85	1.66	3.30	7.08	3,060
Other										
2002	142	22,281	6,382	302	28,965	95	1.00	3.43	6.83	46,234
2003	153	15,220	5,377	356	20,953	92	1.11	3.53	6.12	38,054
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	142	8,158	6,660	307	15,125	88	0.97	3.16	7.11	31,142

# 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 <sup>1</sup>	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 <sup>2</sup>	Million eggs	2,391	2006	1,104	1929	1924
Hogs and pigs <sup>1</sup>	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	3,960	2006	1921
Milk	Million pounds	7,100	2006	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	420	2006	1934

<sup>1</sup> December 1.

<sup>2</sup> December 1 previous year to November 30.

## Cattle and Calves

The January 1, 2007, Michigan cattle herd totaled 1.06 million head, up 30,000 head from a year ago. The milk cow inventory, at 324,000 head, was up 12,000 from the previous year. Milk cow replacement heifers were down 2,000 at 135,000. Beef cows, at 111,000 head, were up 8 percent from last year. Calves on hand were at 213,000, up 23,000 from last year. Beef cow replacement heifers, at 33,000 head, were up 2,000 head. The 2006 calf crop was 365,000 head, up 15,000 from last year. Steer numbers were down 5,000 at 190,000 head. Other heifers decreased to 37,000 from 45,000, while bulls, at 17,000 head, were unchanged from last year. Cattle on full feed for slaughter totaled 175,000 head, down 15,000

from last year. Michigan has 14,300 operations with cattle, down 100 from a year ago.

The January 1 Michigan cattle and calf inventory was valued at \$1.20 billion, down 5 percent from January 1, 2006, which was \$1.27 billion. Cash receipts from cattle and calf marketings totaled \$294.6 million, while total liveweight marketed was 396.9 million pounds. The top 5 counties in cattle and calves in 2006 were Huron, Sanilac, Clinton, Allegan, and Ottawa.

### Cattle and calves: Number of operations by size group, 2002-2006 <sup>1</sup>

Size group by head	2002	2003	2004	2005	2006
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1-49 head	10,400	10,000	10,200	10,100	10,000
50-99 head	2,040	2,050	1,700	1,800	1,800
100-499 head	2,300	2,200	2,300	2,200	2,200
500-999 head	180	170	210	210	200
1000 + head	80	80	90	90	100
Total	15,000	14,500	14,500	14,400	14,300

<sup>1</sup> An operation is any place having one or more head of cattle on hand at any time during the year.

### Cattle and calves: Number on farms by class, January 1, 2003-2007

Class	2003	2004	2005	2006	2007
	<i>1,000 head</i>				
All cows that have calved	390	385	400	415	435
Beef cows	89	85	93	103	111
Milk cows	301	300	307	312	324
Heifers, 500 pounds and over	212	211	202	213	205
Beef cow replacement	35	30	35	31	33
Milk cow replacement	135	130	120	137	135
Other	42	51	47	45	37
Steers, 500 pounds and over	195	215	200	195	190
Bulls, 500 pounds and over	18	19	18	17	17
Calves, under 500 pounds	175	200	180	190	213
All cattle and calves	990	1,030	1,000	1,030	1,060

**Cattle and calves: Production and income, 2002-2006**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Average price per cwt		Value of production	Cash receipts <sup>4</sup>	Value of home consumption	Gross income
			All beef <sup>3</sup>	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>
2002	363,586	363,500	54.20	104.00	191,641	204,587	6,894	211,481
2003	333,635	324,896	63.00	92.50	213,932	207,722	7,795	215,517
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

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

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

<sup>3</sup> Combined price for "Cows" and "Steers and Heifers".

<sup>4</sup> Receipts from marketings and sale of farm slaughter.

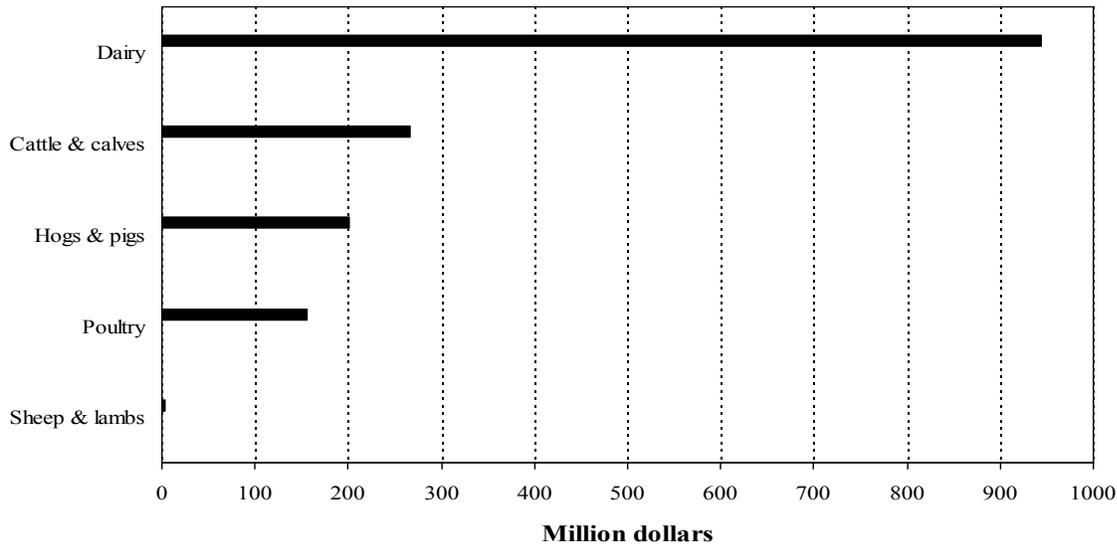
**Cattle and calves: Balance sheet, 2002-2006**

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings <sup>1</sup>		Farm slaughter cattle and calves <sup>2</sup>	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>
2002	990	340	41	264	40	4	25	48	990
2003	990	350	39	248	25	4	24	48	1,030
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

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

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

**Michigan Livestock: Value of Production, 2006**



## Dairy

Milk production in Michigan during 2006 was 7,100 million pounds, up 5.2 percent from 2005. Michigan ranked ninth nationally in milk production in 2006, accounting for 3.9 percent of U.S. production.

The annual average number of milk cows on Michigan farms during 2006 was 320,000 head, up 8,000 from 2005. The number of operations with milk cows fell to 2,700 from 2,800 in 2005. Milk production per cow was 22,188 pounds in 2006, compared with

21,635 pounds during 2005. The average butterfat content was 3.63 percent, up from 3.61 in 2005.

Milk prices during the year averaged \$13.30 per cwt., down \$2.10 from 2005. Cash receipts from milk sales totaled \$936.3 million, down 9 percent from 2005. Milk continued as the top ranked Michigan commodity in cash receipts.

### Milk: Production, utilization, marketings, and value, 2002-2006

Item	Unit	2002	2003	2004	2005	2006
<b>Production</b>						
Total milk produced on farms	Million pounds	6,120	6,375	6,330	6,750	7,100
Milkfat produced	Million pounds	221.5	230.8	229.8	243.7	257.7
Milkfat	Percent	3.62	3.62	3.63	3.61	3.63
<b>Utilization</b>						
<b>Milk used where produced</b>						
Fed to calves	Million pounds	55	55	51	52	56
Used for milk, cream, and butter	Million pounds	5	5	4	3	4
<b>Milk marketed by producers</b>						
Average return per 100 pounds of milk	Dollars	6,060	6,315	6,275	6,695	7,040
Average return per pound milkfat	Dollars	12.10	12.60	16.30	15.40	13.30
Fluid grade	Percent	3.34	3.48	4.49	4.27	3.66
Total cash receipts	1,000 dollars	99	99	99	99	99
		733,260	795,690	1,022,825	1,031,030	936,320
<b>Value</b>						
Value of milk used where produced <sup>1</sup>	1,000 dollars	7,260	7,560	8,965	462	532
Total value of milk produced	1,000 dollars	740,520	803,250	1,031,790	1,039,500	944,300

<sup>1</sup> Includes value of milk fed to calves and milk used by farm households.

### Milk cows: Number of operations, by size group, 2002-2006 <sup>1</sup>

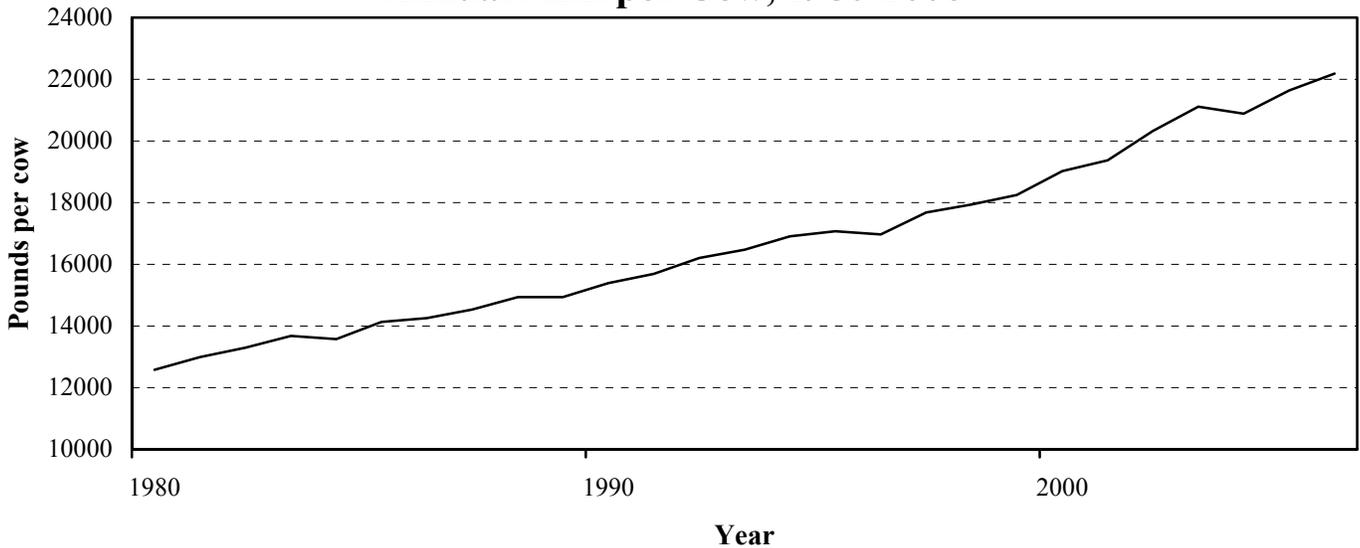
Size group by head	2002	2003	2004	2005	2006
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1-29	1,050	1,000	950	870	790
30-49	500	450	440	420	410
50-99	750	700	660	660	650
100-199	590	550	540	510	480
200-499	240	220	225	245	265
500+	70	80	85	95	105
Total	3,200	3,000	2,900	2,800	2,700

<sup>1</sup> An operation is any place having one or more milk cows on hand at any time during the year.

**Milk cows: Number by month, 2002-2006**

Month	2002	2003	2004	2005	2006
	<i>1,000 head</i>				
January	300	302	300	306	314
February	301	302	300	308	314
March	301	302	300	309	316
April	301	301	301	311	318
May	301	301	302	312	320
June	300	302	302	313	322
July	301	304	303	313	322
August	302	304	303	314	320
September	302	304	303	314	320
October	302	304	304	313	321
November	302	302	306	313	323
December	301	301	307	314	324
Annual	301	302	303	312	320

**Annual Milk per Cow, 1980-2006**



**Milk production: Total by month, 2002-2006**

Month	2002	2003	2004	2005	2006
	<i>Million pounds</i>				
January	504	535	534	546	593
February	474	480	498	511	542
March	533	544	543	564	602
April	518	521	531	569	588
May	537	539	547	597	614
June	503	529	530	574	601
July	519	558	542	579	610
August	515	549	532	578	589
September	488	534	506	550	576
October	507	546	526	563	591
November	498	506	508	546	585
December	524	531	533	573	609
Annual	6,120	6,375	6,330	6,750	7,100

**Milk: Production per cow, by month, 2002-2006**

Month	2002	2003	2004	2005	2006
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,680	1,770	1,780	1,785	1,890
February	1,575	1,595	1,660	1,660	1,725
March	1,770	1,805	1,810	1,825	1,905
April	1,720	1,730	1,765	1,830	1,850
May	1,785	1,790	1,810	1,915	1,920
June	1,675	1,750	1,755	1,835	1,865
July	1,725	1,835	1,790	1,850	1,895
August	1,705	1,805	1,755	1,840	1,840
September	1,615	1,755	1,670	1,750	1,800
October	1,680	1,795	1,730	1,800	1,840
November	1,650	1,675	1,660	1,745	1,810
December	1,740	1,765	1,735	1,825	1,880
Annual	20,332	21,109	20,891	21,635	22,188

**Dairy Products, East North Central Region, 2002-2006 <sup>1</sup>**

Product	2002	2003	2004	2005	2006
	<i>Million pounds</i>				
Cheese, total <sup>2</sup>	2,657.7	2,697.1	2,777.8	3,998.7	4,045.2
Cheese, American type <sup>3</sup>	907.7	875.0	903.8	1,773.0	1,709.5
Cheese, Italian	1,149.2	1,205.5	1,216.5	1,404.2	1,517.9
Butter	388.2	345.7	340.9	608.2	645.3
Cottage cheese, lowfat	81.7	81.8	66.2	61.1	56.9
Cottage cheese, creamed	95.2	101.2	98.3	97.8	92.9
Cottage cheese curd	103.7	107.4	98.0	100.1	87.8
Yogurt, plain and flavored	816.8	759.8	913.0	1,014.1	1,083.4
Condensed skim milk, unsweetened, bulk	169.5	144.2	150.4	249.5	303.5
Nonfat dry milk for human food	52.9	48.3	35.6	194.3	140.6
	<i>1,000 gallons</i>				
Ice cream, regular, hard	174,003	181,108	180,192	174,049	172,292
Ice cream, lowfat, total	96,263	102,436	110,475	115,034	118,478
Sherbet, hard	9,563	10,455	9,910	11,337	10,377
Frozen yogurt mix	5,762	4,944	4,294	4,210	4,081
Ice cream mix, regular	103,476	100,873	99,107	95,951	92,934
Ice cream mix, lowfat	53,331	56,440	62,374	64,670	68,545
Sherbet mix	6,118	6,615	6,272	7,241	6,568

<sup>1</sup> Illinois, Indiana, Michigan, Ohio, and Wisconsin.

<sup>2</sup> Excluding cottage cheese.

<sup>3</sup> Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

## Hogs and Pigs

Michigan hog production totaled 480.2 million pounds in 2006, up 2.1 percent from 2005. Based on the December 1, 2006 inventory of 1 million hogs and pigs, Michigan ranked thirteenth in the nation in terms of inventory.

Breeding inventory accounted for 11 percent of the total inventory, while market hogs made up the remaining 89 percent. Historically, Cass, Allegan, Ottawa, Branch and Huron have been the top five hog producing counties.

The annual average price for all hogs was \$42.00 per cwt for 2006, compared with the 2005 average price of \$46.70 per cwt.

Marketings of all hogs and pigs totaled 478.3 million pounds in 2006, down 0.1 percent from 2005. Cash receipts decreased 11.0 percent from the previous year to \$204.5 million.

**Hogs and pigs: Number of operations, by size group, 2002-2006 <sup>1</sup>**

Year	Operations						
	1-99	100-499	500-999	1,000-1,999	2,000-4,999	5,000+	Total
	<i>Number</i>						
2002	1,500	450	90	100	120	40	2,300
2003	1,500	380	80	100	100	40	2,200
2004	1,500	270	90	90	110	40	2,100
2005	1,600	270	90	80	120	40	2,200
2006	1,540	240	75	80	120	45	2,100

<sup>1</sup> An operation is any place having one or more head on hand at any time during the year.

**Hogs and pigs: Sows farrowing and pig crop, 2002-2007**

Year	December-February <sup>1</sup>			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>
2003	43	8.80	378	46	9.00	414
2004	45	8.90	401	44	9.10	400
2005	44	9.00	396	45	9.00	405
2006	48	9.30	446	47	9.20	432
2007	48	8.75	420	52	8.95	465
	June-August			September-November		
2002	54	9.05	489	42	9.10	382
2003	47	9.00	423	51	8.80	449
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

<sup>1</sup> December of previous year.

### Hogs and pigs: Inventory, 2003-2007

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							
2003	270	190	165	145	770	100	870
2004	300	205	175	150	830	100	930
2005	325	190	160	145	820	100	920
2006	315	200	175	170	860	100	960
2007	300	205	180	185	870	110	980
June 1							
2003	310	210	165	145	830	100	930
2004	300	200	170	145	815	95	910
2005	310	200	155	145	810	100	910
2006	335	195	175	175	880	100	980
September 1							
2003	300	210	165	145	820	100	920
2004	320	200	170	150	840	100	940
2005	320	195	165	150	830	100	930
2006	300	220	180	180	880	100	980
December 1							
2003	300	205	175	160	840	110	950
2004	330	195	160	155	840	110	950
2005	315	205	175	165	860	100	960
2006	300	230	170	190	890	110	1,000

### Hogs and pigs: Production and income, 2002-2006

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Average price per cwt	Value of production	Cash receipts <sup>3</sup>	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>
2002	499,504	517,700	30.70	153,600	164,324	1,171	165,495
2003	478,977	484,225	35.00	165,113	173,671	443	174,114
2004	483,291	502,100	45.90	218,709	236,002	465	236,467
2005	470,520	478,725	46.70	218,969	229,852	474	230,326
2006	480,183	478,310	42.00	200,776	204,514	426	204,940

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

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

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

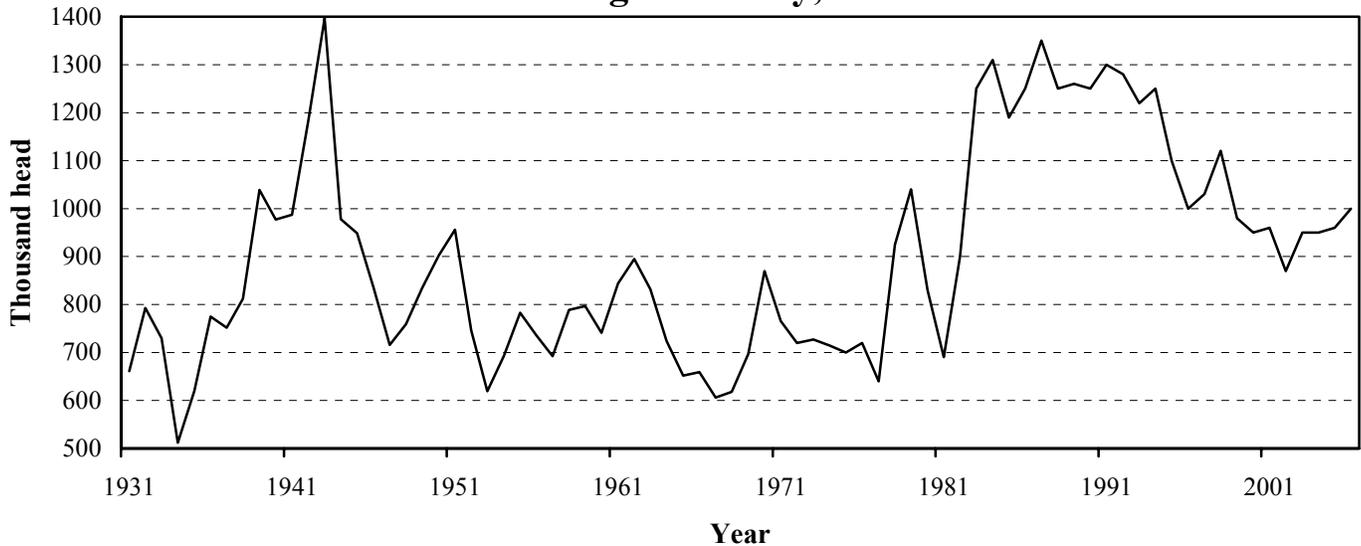
### Hogs and pigs: Balance sheet, 2002-2006

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings <sup>1</sup>	Farm slaughter <sup>2</sup>	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>
2002	960	1,755	240	2,011	4	70	870
2003	870	1,664	355	1,874	5	60	950
2004	950	1,666	345	1,939	4	68	950
2005	950	1,677	255	1,854	4	64	960
2006	960	1,765	186	1,836	4	71	1,000

<sup>1</sup> Includes custom slaughter and state outshipments, but excludes sales within Michigan.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

## December 1 Hog Inventory, 1931-2006



## Honey

Michigan honey production for 2006 totaled 3.96 million pounds, down 10 percent from 2005. This estimate included honey from producers with 5 or more colonies. Michigan ranked eleventh in honey production in 2006, down from ninth in 2005. There were 72,000 colonies producing honey, with an average yield per colony of 55 pounds, down 19 percent from 2005.

Michigan honey price averaged \$1.28 per pound, up 33 percent from last year. Value of production totaled \$5.07 million, up 19 percent from 2005. Honey stocks were 2.10 million pounds, down 17 percent from 2005.

**Honey: Production and value, 2002-2006** <sup>1</sup>

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 <sup>2</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
2002	72	77	5,544	140	7,762	1,885
2003	65	74	4,810	141	6,782	1,732
2004	65	67	4,355	114	4,965	2,439
2005	65	68	4,420	96	4,243	2,519
2006	72	55	3,960	128	5,069	2,099

<sup>1</sup> Includes only producers with 5 or more colonies.

<sup>2</sup> Stocks held by producers.

## Mink

**Mink: Farms, pelts produced and females bred to produce kits, 2003-2007**

Year	2003	2004	2005	2006	2007
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Farms	8	7	7	7	(1)
Pelts produced	51,000	50,500	55,500	54,000	(1)
Females bred to produce kits	11,600	11,700	11,500	12,100	12,200

<sup>1</sup> Published in July 2008.

## Poultry

The total value of poultry production in Michigan from eggs, turkeys, and other chickens (primarily culled layers) during 2006 was \$155.3 million, up 17 percent from a year earlier. The value of egg production totaled \$73.1 million, up 18 percent from 2005. Egg production totaled 2.4 billion eggs, up 12 percent from last year. The market egg price averaged 37 cents per dozen, up 2 cents from

2005. The value of turkey production during 2006 was \$82.2 million, up 22 percent. The total pounds of turkey produced were 174.8 million, up 4 percent. The average price per pound was 47 cents, up 7 cents from last year. The number of chickens sold was 3.4 million birds in 2006, down 33 percent from last year.

### Chickens: Layers on hand, December 1, 2002-2006

Class	2002	2003	2004	2005	2006
	<i>1,000 head</i>				
Total layers	6,951	7,067	7,720	8,357	9,218
Layers, 1 year old and older	5,149	5,272	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Layers, 20 weeks old but less than 1 year	1,802	1,795	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Pullets not of laying age	1,370	2,589	1,615	1,752	2,156
Pullets, 13-20 weeks old	606	1,203	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Pullets, less than 13 weeks	764	1,386	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other chickens		1	1	1	1
All chickens (excluding broilers)	8,321	9,657	9,336	10,110	11,375

<sup>1</sup> Estimates no longer published.

### Turkeys: Production and value, 2004-2006 <sup>1</sup>

Year	Number raised <sup>2</sup>	Pounds produced	Price per pound <sup>3</sup>	Value of production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
2002	4,800	179,520	35.0	62,832
2003	5,000	191,000	36.0	68,760
2004	5,000	188,000	37.0	69,560
2005	4,500	168,750	40.0	67,500
2006	4,600	174,800	47.0	82,156

<sup>1</sup> December 1 previous year through November 30.

<sup>2</sup> Based on turkeys placed Sep 1 through Aug 31. Excludes young turkeys lost.

<sup>3</sup> Equivalent live weight returns to producers.

### All eggs: Production and value, 2002-2006 <sup>1</sup>

Year	Eggs produced	Price per dozen	Value of production
	<i>Million</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2002	1,880	0.403	63,237
2003	1,888	0.595	93,613
2004	2,009	0.563	94,313
2005	2,142	0.347	61,870
2006	2,391	0.367	73,097

<sup>1</sup> December 1 previous year through November 30.

### All egg production, by month, 2002-2006

Month	2002	2003	2004	2005	2006
	<i>Million eggs</i>				
December	153	162	165	174	194
January	148	160	162	163	190
February	139	147	150	160	177
March	159	161	166	185	204
April	157	152	167	176	193
May	162	160	172	188	199
June	157	156	170	187	195
July	166	158	175	186	202
August	167	159	172	179	208
September	156	155	164	177	204
October	160	162	171	182	214
November	156	159	175	185	211
Total <sup>1</sup>	1,880	1,888	2,009	2,142	2,391

<sup>1</sup> Sum of months may not add to total due to rounding.

**All layers: Average number on hand during the month, 2002-2006**

Month	2002	2003	2004	2005	2006
	<i>1,000 head</i>				
December	6,926	7,243	7,295	7,482	8,260
January	6,933	7,198	7,447	7,389	8,169
February	6,888	7,220	7,424	7,869	8,380
March	6,938	7,074	7,481	8,017	8,436
April	7,296	6,934	7,397	7,954	8,192
May	7,452	7,121	7,309	8,018	8,288
June	7,236	7,128	7,476	8,024	8,451
July	7,265	7,079	7,652	8,022	8,521
August	7,243	7,088	7,587	7,944	8,850
September	7,106	6,942	7,626	7,798	9,121
October	7,039	6,869	7,613	7,770	9,117
November	6,983	6,959	7,603	8,117	9,146
Annual <sup>1</sup>	7,109	7,058	7,493	7,867	8,578

<sup>1</sup> December 1 previous year through November 30.

## Sheep and Goats

Michigan sheep operations in 2006 numbered 2,100, up slightly from 2005. All sheep and lamb inventory in Michigan on January 1, 2007 was estimated at 81,000 head, down 2,000 head from the previous year. The breeding sheep inventory was 60,000 head. Market sheep and lambs totaled 21,000 head, down 1,000 from the previous year. The 2006 Michigan lamb crop (lambs born October 1, 2004 through September 30, 2005) was 56,000 head, down 3,000 from a year ago.

Sheep and lamb value of production was \$3.18 million for 2006. Cash receipts totaled \$3.01 million. All sheep and lambs were valued at \$145 per head, down \$3 from the previous year.

Sheep shorn in 2006 totaled 70,000 head. The weight per fleece was 6.0 pounds, compared with 5.9 pounds in 2005. Total wool production in Michigan was 420,000 pounds. Wool production was valued at \$189,000. The average price per pound was \$0.45, up \$0.06 from 2005.

**Sheep and lambs: Number on farms by class, January 1, 2003-2007**

Class	2003	2004	2005	2006	2007
	<i>1,000 Head</i>				
Breeding sheep 1 year and older					
Ewes	47	43	45	46	44
Rams	3	3	2	3	3
Replacement lambs	14	13	12	12	13
Total market sheep and lambs	21	24	24	22	21
All sheep and lambs	85	83	83	83	81

**Sheep and lambs: Number of operations, 2002-2006 <sup>1</sup>**

Year	Number
2002	2,000
2003	2,100
2004	2,000
2005	2,000
2006	2,100

<sup>1</sup> An operation is any place having one or more head on hand at any one time during the year.

**Sheep and lambs: Lamb crop, 2002-2006**

Year	Breeding ewes <sup>1</sup>	Lambs per 100 ewes <sup>1</sup>	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
2002	40	150	60
2003	47	125	60
2004	43	128	55
2005	45	131	59
2006	46	122	56

<sup>1</sup> Ewes 1 year and older January 1.

**Sheep and lambs: Balance sheet, 2002-2006**

Year	All sheep and lambs on hand January 1	Lamb crop	Inshipments	Marketings <sup>1</sup>		Farm slaughter <sup>2</sup>	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>
2002	75	60	3.0	3.0	37.0	2.0	4.0	7.0	85
2003	85	60	4.0	15.5	36.0	2.0	4.5	8.0	83
2004	83	55	3.0	12.0	35.0	2.0	3.0	6.0	83
2005	83	59	2.0	7.0	40.0	2.0	4.0	8.0	83
2006	83	56	3.0	12.0	37.0	2.0	3.0	7.0	81

<sup>1</sup> Includes custom slaughter and state outshipments, but excludes sales within Michigan.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

**Sheep and lambs: Production and income, 2002-2006**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Average price per cwt		Value of production	Cash receipts <sup>3</sup>	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>
2002	5,604	4,129	26.00	70.00	3,501	2,794	403	3,197
2003	4,662	4,927	35.00	86.00	3,840	3,660	495	4,155
2004	4,722	4,532	40.00	94.00	4,119	3,800	540	4,340
2005	4,660	4,170	45.00	105.00	4,269	3,875	604	4,479
2006	4,225	4,270	36.00	87.00	3,176	3,011	501	3,512

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

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

<sup>3</sup> Receipts from marketings and sale of farm slaughter.

**Sheep and lambs: Wool production and value, 2002-2006**

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value of production <sup>1</sup>
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Cents</i>	<i>1,000 Dollars</i>
2002	81	6.5	525	14	74
2003	77	6.2	475	30	143
2004	76	5.8	440	45	198
2005	81	5.9	480	39	187
2006	70	6.0	420	45	189

<sup>1</sup> Production multiplied by marketing year average price.

**Goats: Number by class, January 1, 2006-2007**

Year	Angora	Milk	Meat and other
	<i>Head</i>	<i>Head</i>	<i>Head</i>
2005	1,000	7,500	9,200
2006	1,000	8,000	10,000
2007	1,000	8,600	9,500

## Trout

Michigan's 23 commercial trout operations sold \$783,000 of trout in 2006. This was a \$10,000 decrease from last season.

Trout 12 inches or longer had sales of 320,000 pounds with an average liveweight of 1.0 pound per fish. Sales of trout 12 inches or longer were valued at \$620,000 for an average value of \$2.04 per pound. The major sales outlets were 40 percent to live haulers, 24 percent direct to consumers, and 18 percent to fee fishing operations.

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 47,000 fish, weighing 29,000 pounds. Fish lost to predators accounted for 77 percent of all fish lost. Losses due to disease amounted to 6 percent of the total.

**Trout: Sales by size category, 2002-2006**

Size category	Number of fish sold	Live weight	Sales	
			Total	Average per pound <sup>1</sup>
	<i>1,000</i>	<i>1,000</i>	<i>1,000 dollars</i>	<i>Dollars</i>
12 inches or longer				
2002	180	215	553	2.57
2003	250	275	564	2.05
2004	285	305	601	1.97
2005	255	295	634	2.15
2006	320	304	620	2.04
6 to 12 inches				
2002	90	30	83	2.77
2003	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
2004	165	65	167	2.57
2005	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
2006	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
1 to 6 inches				
2002	100	3	27	266.00
2003	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
2004	55	3	22	408.00
2005	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
2006	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> Price for fish 1 to 6 inches is average per 1,000 fish.

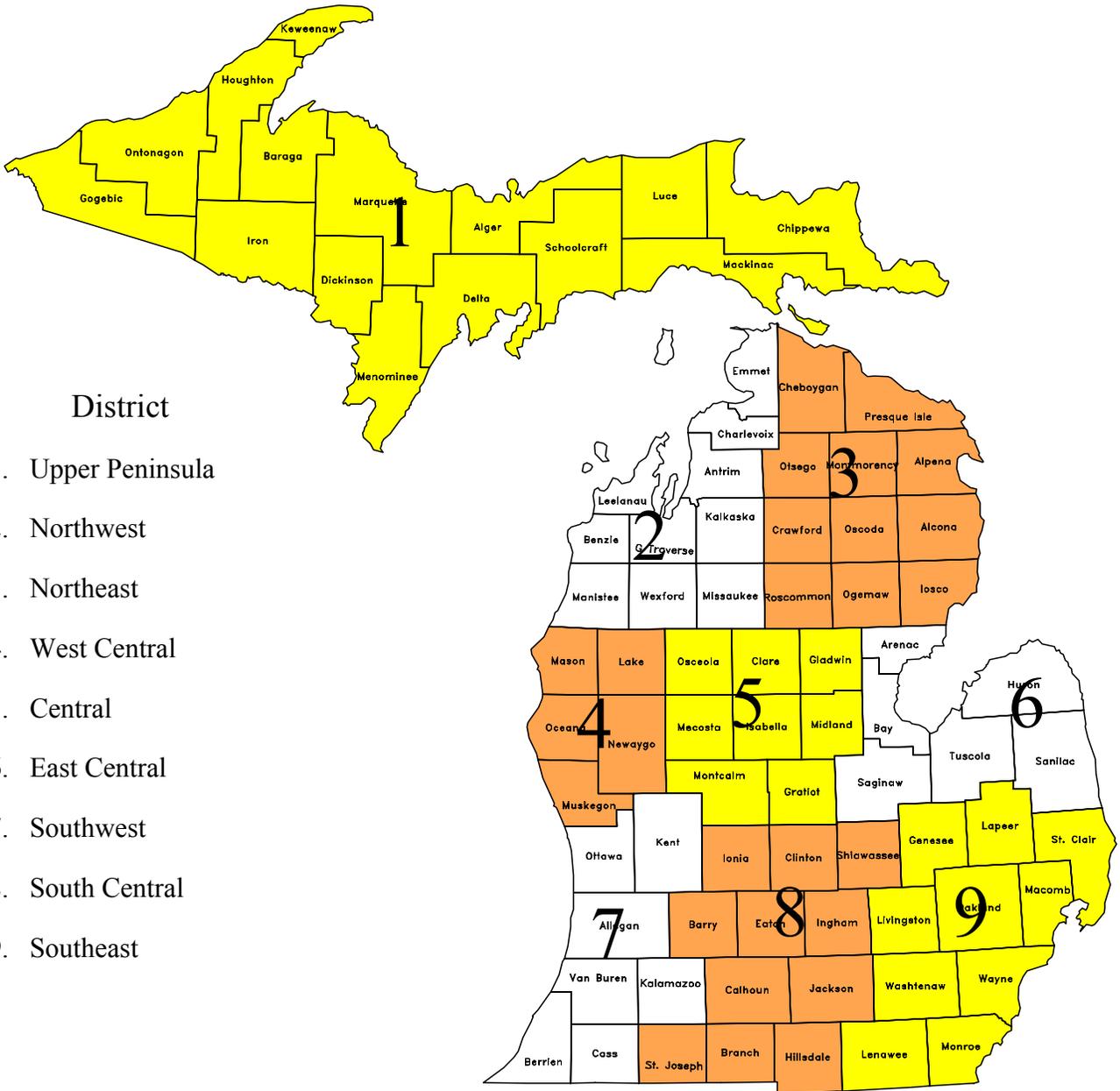
<sup>2</sup> Not published separately to avoid disclosure of individual operations.

**Trout: Number of operations, 2003-2007**

Year	Operations
	<i>Number</i>
2003	22
2004	18
2005	28
2006	20

# 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.



## District

1. Upper Peninsula
2. Northwest
3. Northeast
4. West Central
5. Central
6. East Central
7. Southwest
8. South Central
9. Southeast

**Principal counties for field crops, 2006 <sup>1</sup>**

Rank	Corn for grain	Dry beans	Hay <sup>2</sup>	Oats	Soybeans	Sugarbeets	Wheat
1	Huron	Huron	Sanilac	Sanilac	Sanilac	Huron	Sanilac
2	Lenawee	Tuscola	Huron	Montcalm	Lenawee	Tuscola	Huron
3	St. Joseph	Bay	Isabella	Shiawassee	Gratiot	Sanilac	Lenawee
4	Saginaw	Sanilac	Barry	Isabella	Saginaw	Saginaw	Tuscola
5	Tuscola	Saginaw	Ionia	Clinton	Monroe	Bay	Saginaw

<sup>1</sup> Based on total production.

<sup>2</sup> Based on 2004 production.

**Principal counties for livestock <sup>1</sup>**

Rank	January 1, 2007 Cattle and Calves	December 1, 2005 Hogs and pigs	January 1, 2007 Milk cows
1	Huron	Cass	Huron
2	Sanilac	Allegan	Clinton
3	Clinton	Ottawa	Sanilac
4	Allegan, Ottawa	Branch	Allegan
5	Ionia	Huron	Newaygo

<sup>1</sup> Based on number of head.

**Principal counties for fruits and vegetables, 2006 <sup>1</sup>**

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

<sup>1</sup> Based on acres from rotational surveys.

**Barley: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup>**

County and district	2005				2006			
	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>
Delta	1,300	1,000	33	33	1,800	1,750	42	73
Menominee	1,800	1,100	37	41	1,600	1,550	44	68
Other counties <sup>2</sup>	2,100	1,700	39	66	2,400	2,400	45	109
<b>Upper Peninsula</b>	5,200	3,800	37	140	5,800	5,700	44	250
Alpena	600	500	44	22				
Iosco					550	550	40	22
Other counties <sup>2</sup>	2,000	1,600	47	75	1,750	1,750	45	78
<b>Northeast</b>	2,600	2,100	46	97	2,300	2,300	43	100
Isabella	700	600	77	46				
Other counties <sup>2</sup>	900	800	59	47				
<b>Central</b>	1,600	1,400	66	93	1,000	900	59	53
Huron					550	550	73	40
Other counties <sup>2</sup>					850	650	52	34
<b>East Central</b>	1,600	1,000	55	55	1,400	1,200	62	74
<b>Southwest</b>					700	600	67	40
<b>South Central</b>	1,600	1,100	55	60	2,000	1,600	45	72
<b>Southeast</b>	1,000	700	51	36	1,000	900	69	62
<b>Other districts <sup>2</sup></b>	1,400	900	40	36	800	800	44	35
<b>Michigan</b>	15,000	11,000	47	517	15,000	14,000	49	686

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Corn: Acreage, yield, and production, by county, 2005 <sup>1</sup>**

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	3,400	1,900	92	175	1,500	9.3	14,000
Menominee	14,700	6,000	122	730	8,600	12.0	103,000
Other counties <sup>2</sup>	2,900	900	94	85	1,900	12.1	23,000
<b>Upper Peninsula</b>	21,000	8,800	113	990	12,000	11.7	140,000
Antrim	3,300	2,800	111	310			
Benzie	1,600	1,300	104	135			
Charlevoix	2,900	2,400	92	220			
Emmet	1,400	1,000	95	95			
Grand Traverse	6,200	5,200	100	520			
Leelanau	2,600	2,200	82	180			
Missaukee	15,600	9,700	136	1,320	5,800	17.2	100,000
Wexford	4,100	3,300	112	370	800	13.8	11,000
Other counties <sup>2</sup>	1,300	900	111	100	3,400	14.4	49,000
<b>Northwest</b>	39,000	28,800	113	3,250	10,000	16.0	160,000
Alcona	2,400	1,900	147	280			
Alpena	5,700	4,000	119	475	1,700	15.3	26,000
Iosco	7,300	4,900	142	695	2,400	13.8	33,000
Montmorency	2,000	1,700	124	210			
Ogemaw	9,400	6,600	152	1,000	2,700	16.7	45,000
Presque Isle	6,000	5,500	112	615			
Other counties <sup>2</sup>	2,200	1,300	112	145	2,200	16.4	36,000
<b>Northeast</b>	35,000	25,900	132	3,420	9,000	15.6	140,000
Mason	12,000	9,200	132	1,210	2,700	16.3	44,000
Muskegon	18,500	10,700	112	1,200	7,600	14.5	110,000
Newaygo	27,500	18,000	106	1,910	9,400	12.7	119,000
Other counties <sup>2</sup>	12,000	10,600	120	1,270	1,300	13.1	17,000
<b>West Central</b>	70,000	48,500	115	5,590	21,000	13.8	290,000
Clare	4,200	3,000	140	420	1,200	14.2	17,000
Gladwin	7,300	6,600	162	1,070			
Gratiot	85,000	77,200	145	11,180	7,400	20.1	149,000
Isabella	36,000	29,200	158	4,610	6,700	18.8	126,000
Mecosta	20,000	16,700	139	2,320	3,200	13.8	44,000
Midland	23,000	22,000	152	3,350			
Montcalm	57,000	51,900	135	7,000	4,900	20.6	101,000
Osceola	7,500	4,400	136	600	3,100	14.5	45,000
Other counties <sup>2</sup>					1,500	18.7	28,000
<b>Central</b>	240,000	211,000	145	30,550	28,000	18.2	510,000
Arenac	18,000	15,700	148	2,320			
Bay	47,000	45,500	148	6,720			
Huron	112,000	92,300	160	14,750	19,500	20.5	400,000
Saginaw	93,000	88,700	139	12,360	4,100	20.5	84,000
Sanilac	90,000	77,800	160	12,480	12,000	21.7	260,000
Tuscola	85,000	82,000	148	12,120	2,800	14.3	40,000
Other counties <sup>2</sup>					3,600	15.6	56,000
<b>East Central</b>	445,000	402,000	151	60,750	42,000	20.0	840,000

See footnote(s) at end of table.

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**Corn: Acreage, yield, and production, by county, 2005 <sup>1</sup> (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	85,000	73,000	146	10,680	11,400	21.9	250,000
Berrien	43,000	41,400	123	5,110			
Cass	71,000	69,900	129	9,030	600	16.7	10,000
Kalamazoo	50,000	47,200	135	6,360			
Kent	43,000	36,800	138	5,070	5,900	15.8	93,000
Ottawa	44,000	33,700	113	3,800	9,900	11.3	112,000
Van Buren	34,000	31,000	134	4,150	2,600	14.2	37,000
Other counties <sup>2</sup>					3,600	14.7	53,000
<b>Southwest</b>	370,000	333,000	133	44,200	34,000	16.3	555,000
Barry	40,000	31,700	135	4,270	8,100	19.8	160,000
Branch	81,000	78,500	141	11,090	2,200	21.8	48,000
Calhoun	73,000	68,700	135	9,290	4,000	17.8	71,000
Clinton	73,000	61,600	139	8,540	11,100	18.9	210,000
Eaton	58,000	56,100	145	8,150			
Hillsdale	69,000	63,600	151	9,580	5,100	19.6	100,000
Ingham	49,000	45,800	145	6,660	3,000	17.3	52,000
Ionia	76,000	65,400	142	9,300	10,300	19.4	200,000
Jackson	49,000	46,000	143	6,600	2,700	19.3	52,000
St Joseph	79,000	76,000	146	11,130			
Shiawassee	53,000	49,600	147	7,290	3,200	16.6	53,000
Other counties <sup>2</sup>					4,300	17.2	74,000
<b>South Central</b>	700,000	643,000	143	91,900	54,000	18.9	1,020,000
Genesee	29,000	27,500	137	3,780	1,500	18.0	27,000
Lapeer	34,000	31,200	138	4,300	2,700	19.6	53,000
Lenawee	102,500	92,400	161	14,890	9,700	19.6	190,000
Livingston	20,000	19,000	135	2,570			
Macomb	11,500	11,000	150	1,650			
Monroe	61,000	60,100	163	9,790			
St Clair	28,500	27,200	138	3,740	1,200	18.3	22,000
Washtenaw	40,000	37,300	150	5,600	2,600	17.3	45,000
Other counties <sup>2</sup>	3,500	3,300	139	460	2,300	14.3	33,000
<b>Southeast</b>	330,000	309,000	151	46,780	20,000	18.5	370,000
<b>Michigan</b>	2,250,000	2,010,000	143	287,430	230,000	17.5	4,025,000

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Corn: Acreage, yield, and production, by county, 2006 <sup>1</sup>**

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	3,100	1,800	127	229	1,200	10.0	12,000
Menominee	14,100	4,600	138	637	9,000	11.3	102,000
Other counties <sup>2</sup>	2,800	700	120	84	1,800	11.7	21,000
<b>Upper Peninsula</b>	20,000	7,100	134	950	12,000	11.3	135,000
Antrim	3,200	2,500	108	270			
Benzie	1,700	1,300	104	135			
Charlevoix	2,700	2,100	110	230			
Emmet	1,400	900	111	100			
Grand Traverse	6,700	5,800	101	585			
Manistee	800	600	108	65			
Missaukee	16,400	9,900	130	1,290	6,200	14.5	90,000
Wexford	4,000	2,900	97	280			
Other counties <sup>2</sup>	3,100	2,300	93	215	4,800	12.5	60,000
<b>Northwest</b>	40,000	28,300	112	3,170	11,000	13.6	150,000
Alpena	5,400	3,500	129	450	1,900	15.8	30,000
Iosco	6,900	4,400	139	610	2,300	13.5	31,000
Montmorency	1,900	1,600	128	205			
Ogemaw	9,100	6,400	131	840	2,500	16.4	41,000
Otsego	1,100	750	107	80			
Presque Isle	5,700	4,700	117	550			
Other counties <sup>2</sup>	3,900	2,050	105	215	3,300	11.5	38,000
<b>Northeast</b>	34,000	23,400	126	2,950	10,000	14.0	140,000
Mason	12,000	9,300	116	1,080	2,700	17.0	46,000
Newaygo	28,000	18,300	132	2,420	9,500	13.8	131,000
Oceana	12,000	10,600	119	1,260	1,300	11.5	15,000
Other counties <sup>2</sup>	19,000	11,500	121	1,390	7,500	14.4	108,000
<b>West Central</b>	71,000	49,700	124	6,150	21,000	14.3	300,000
Clare	3,700	1,700	112	190			
Gladwin	7,100	6,500	135	880			
Gratiot	84,000	77,700	140	10,900			
Isabella	35,000	28,500	136	3,890	5,800	15.7	91,000
Mecosta	20,500	16,500	132	2,180	3,900	12.8	50,000
Midland	21,000	19,000	138	2,620			
Montcalm	56,500	50,200	134	6,720	6,200	16.5	102,000
Osceola	7,200	3,900	133	520	3,200	15.3	49,000
Other counties <sup>2</sup>					9,900	19.0	188,000
<b>Central</b>	235,000	204,000	137	27,900	29,000	16.6	480,000
Arenac	18,000	16,000	131	2,090			
Bay	47,000	45,100	139	6,260			
Huron	109,000	88,900	163	14,500	20,000	18.3	365,000
Saginaw	89,000	84,800	146	12,400	3,900	17.4	68,000
Sanilac	85,000	72,400	167	12,100	12,500	17.2	215,000
Tuscola	82,000	78,800	154	12,150			
Other counties <sup>2</sup>					6,600	15.5	102,000
<b>East Central</b>	430,000	386,000	154	59,500	43,000	17.4	750,000

See footnote(s) at end of table.

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**Corn: Acreage, yield, and production, by county, 2006 <sup>1</sup> (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	85,000	72,200	143	10,300	12,400	16.8	208,000
Berrien	43,000	41,200	153	6,290			
Cass	68,000	67,400	159	10,700			
Kalamazoo	48,000	45,200	155	7,020	2,700	15.2	41,000
Kent	42,000	35,700	141	5,020	6,200	16.8	104,000
Ottawa	42,000	32,200	155	4,980	9,700	14.4	140,000
Van Buren	32,000	29,100	137	3,990			
Other counties <sup>2</sup>					5,000	13.4	67,000
<b>Southwest</b>	360,000	323,000	150	48,300	36,000	15.6	560,000
Barry	40,000	32,700	147	4,800	7,300	19.5	142,000
Branch	80,000	77,400	151	11,650	2,500	18.4	46,000
Calhoun	75,000	71,400	142	10,150	3,500	17.1	60,000
Clinton	72,000	61,400	147	9,050	10,300	20.9	215,000
Eaton	58,000	56,500	145	8,210			
Hillsdale	66,000	61,600	149	9,200	4,300	20.2	87,000
Ingham	49,000	46,100	151	6,950	2,900	17.2	50,000
Ionia	77,000	67,300	146	9,840	9,500	18.9	180,000
Jackson	51,000	48,200	135	6,520	2,400	19.6	47,000
St Joseph	81,000	79,100	161	12,700			
Shiawassee	51,000	47,300	138	6,530	3,000	19.0	57,000
Other counties <sup>2</sup>					3,300	17.0	56,000
<b>South Central</b>	700,000	649,000	147	95,600	49,000	19.2	940,000
Genesee	26,000	24,100	128	3,080			
Lapeer	32,000	29,100	156	4,530	2,600	20.4	53,000
Lenawee	97,500	88,700	156	13,800	8,700	19.5	170,000
Livingston	19,000	17,600	132	2,320	1,300	13.1	17,000
Macomb	11,000	10,600	153	1,620			
Monroe	60,000	59,200	162	9,590			
St Clair	24,000	23,000	148	3,400	900	22.2	20,000
Washtenaw	38,000	34,900	142	4,970	2,800	14.6	41,000
Other counties <sup>2</sup>	2,500	2,300	126	290	2,700	14.4	39,000
<b>Southeast</b>	310,000	289,500	151	43,600	19,000	17.9	340,000
<b>Michigan</b>	2,200,000	1,960,000	147	288,120	230,000	16.5	3,795,000

<sup>1</sup> Estimates are not published for counties with less than 500 acres.

<sup>2</sup> 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, 2005-2006 <sup>1</sup>**

County and district	2005				2006			
	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>
Alcona	1,400	1,300	1,920	25				
Alpena	1,200	1,200	1,500	18				
Presque Isle	1,200	1,200	1,580	19	800	800	1,000	8
Other counties <sup>2</sup>	500	500	1,200	6	3,300	3,000	1,400	42
<b>Northeast</b>	4,300	4,200	1,620	68	4,100	3,800	1,320	50
Gladwin	1,300	1,300	2,000	26	1,100	900	2,000	18
Gratiot	18,000	18,000	1,630	293	14,000	12,000	1,320	158
Isabella	3,700	3,700	1,920	71	3,700	3,400	1,440	49
Mecosta	1,200	1,200	1,580	19	1,000	1,000	1,200	12
Midland	5,400	4,900	1,900	93	4,900	4,500	1,600	72
Montcalm	11,400	11,400	1,450	165	10,900	10,200	1,580	161
<b>Central</b>	41,000	40,500	1,650	667	35,600	32,000	1,470	470
Arenac	6,400	6,200	1,450	90	5,900	5,600	1,790	100
Bay	26,400	25,100	1,510	380	22,700	22,000	1,850	408
Huron	86,000	85,000	1,920	1,630	86,500	84,000	2,180	1,830
Saginaw	11,000	10,800	1,480	160	9,700	9,200	1,990	183
Sanilac	17,500	17,200	1,770	305	18,200	17,700	2,120	376
Tuscola	34,700	33,700	1,530	515	36,500	35,500	1,700	603
<b>East Central</b>	182,000	178,000	1,730	3,080	179,500	174,000	2,010	3,500
<b>Southwest</b>	2,000	1,900	1,790	34	1,500	1,400	1,640	23
Shiawassee					700	700	1,290	9
Other counties <sup>2</sup>					1,500	1,400	1,360	19
<b>South Central</b>	2,100	2,000	1,250	25	2,200	2,100	1,330	28
St Clair	800	700	860	6				
Other counties <sup>2</sup>	1,000	1,000	1,400	14				
<b>Southeast</b>	1,800	1,700	1,180	20	1,300	1,100	730	8
<b>Other districts <sup>2</sup></b>	1,800	1,700	940	16	800	600	1,000	6
<b>Michigan</b>	235,000	230,000	1,700	3,910	225,000	215,000	1,900	4,085

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Oats: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup>**

County and district	2005				2006			
	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	1,700	1,300	38	49	2,000	1,700	44	75
Delta	1,600	1,450	52	76	1,600	1,400	54	76
Dickinson	900	900	28	25	700	500	54	27
Menominee	2,800	1,300	35	45	2,500	1,100	59	65
Ontonagon	500	500	42	21				
Other counties <sup>2</sup>	2,500	2,150	48	104	2,700	2,000	44	87
<b>Upper Peninsula</b>	10,000	7,600	42	320	9,500	6,700	49	330
Antrim					500	400	33	13
Grand Traverse	1,600	1,500	37	55	1,500	1,300	55	72
Leelanau	500	450	38	17	500	400	43	17
Missaukee					1,200	1,100	59	65
Wexford	600	500	40	20	600	500	50	25
Other counties <sup>2</sup>	2,800	1,850	48	88	1,200	800	48	38
<b>Northwest</b>	5,500	4,300	42	180	5,500	4,500	51	230
Alcona	900	650	85	55	900	600	58	35
Alpena	2,400	1,900	51	96	2,400	2,100	54	113
Iosco	1,700	1,400	79	110	1,300	1,000	64	64
Ogemaw	2,800	2,100	64	135	2,400	2,000	64	128
Otsego	600	550	49	27				
Presque Isle	3,100	3,000	44	132	3,400	3,100	53	164
Other counties <sup>2</sup>	1,000	900	39	35	1,100	700	51	36
<b>Northeast</b>	12,500	10,500	56	590	11,500	9,500	57	540
Mason	1,000	950	62	59	1,000	900	52	47
Newaygo	1,400	950	54	51	1,300	1,100	61	67
Oceana	900	850	61	52	1,300	1,200	25	30
Other counties <sup>2</sup>	700	650	58	38	900	800	58	46
<b>West Central</b>	4,000	3,400	59	200	4,500	4,000	48	190
Clare	1,200	1,050	63	66	1,100	1,000	56	56
Gladwin	1,300	1,300	68	89	900	800	68	54
Gratiot	1,200	1,150	68	78	900	800	74	59
Isabella	2,700	2,400	71	170	3,000	2,600	67	173
Mecosta	1,900	1,500	39	58	2,300	1,100	47	52
Montcalm	3,400	3,100	46	143	3,500	3,100	57	176
Other counties <sup>2</sup>	1,300	1,000	36	36	1,300	900	44	40
<b>Central</b>	13,000	11,500	56	640	13,000	10,300	59	610
Arenac	1,800	1,600	46	74	1,200	500	60	30
Bay	600	500	80	40	900	500	46	23
Huron	2,200	1,600	91	145	1,700	1,500	90	135
Saginaw	1,000	900	68	61	1,200	900	80	72
Sanilac	5,400	4,600	78	360	4,100	3,300	75	246
Tuscola	2,000	1,800	61	110	1,400	1,300	65	84
<b>East Central</b>	13,000	11,000	72	790	10,500	8,000	74	590

See footnote(s) at end of table.

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**Oats: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup> (continued)**

County and district	2005				2006			
	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	2,200	2,000	72	144	1,200	1,100	60	66
Kalamazoo	700	550	82	45				
Kent	1,900	1,500	73	110	1,800	1,700	76	129
Ottawa	1,500	1,400	54	76	800	700	53	37
Other counties <sup>2</sup>	1,700	1,050	48	50	1,700	1,000	58	58
<b>Southwest</b>	8,000	6,500	65	425	5,500	4,500	64	290
Barry	1,000	800	79	63				
Branch	600	500	58	29	700	600	73	44
Calhoun	1,500	1,400	54	76	1,100	1,000	67	67
Clinton	1,700	1,600	91	145	2,300	2,200	76	168
Eaton	1,400	950	75	71	1,100	900	70	63
Hillsdale	1,200	850	53	45	800	800	56	45
Ionia	2,400	1,500	70	105	2,000	1,500	79	119
Jackson	1,400	900	48	43	1,300	1,200	57	68
St Joseph					800	700	60	42
Shiawassee	2,800	2,600	92	240	2,300	2,200	80	175
Other counties <sup>2</sup>	1,000	900	48	43	1,100	900	54	49
<b>South Central</b>	15,000	12,000	72	860	13,500	12,000	70	840
Genesee	800	750	76	57	500	400	78	31
Lapeer	2,000	1,900	63	120	1,400	1,150	73	84
Lenawee	1,000	950	55	52	800	700	81	57
Macomb	700	650	82	53				
Monroe	1,200	1,000	93	93	800	700	96	67
St Clair	1,200	1,150	69	79	1,000	900	78	70
Washtenaw	1,200	1,150	77	89	900	650	71	46
Other counties <sup>2</sup>	900	650	42	27	1,100	1,000	55	55
<b>Southeast</b>	9,000	8,200	70	570	6,500	5,500	75	410
<b>Michigan</b>	90,000	75,000	61	4,575	80,000	65,000	62	4,030

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Soybeans: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup>**

County and district	2005				2006			
	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>
<b>Upper Peninsula</b>					3,000	2,900	28	80
Grand Traverse					1,000	1,000	27	27
Other counties <sup>2</sup>					1,000	900	37	33
<b>Northwest</b>					2,000	1,900	32	60
Alpena	2,600	2,500	33	83	3,300	3,300	37	122
Iosco					2,200	2,100	44	92
Montmorency	1,400	1,400	39	55	2,000	2,000	44	87
Ogemaw	800	800	44	35	1,000	1,000	42	42
Presque Isle	4,200	3,900	31	120	4,000	3,900	31	119
Other counties <sup>2</sup>	2,000	1,900	41	77	500	500	36	18
<b>Northeast</b>	11,000	10,500	35	370	13,000	12,800	38	480
Mason	2,600	2,500	40	100	3,000	3,000	35	105
Muskegon	5,500	5,500	33	180	6,600	6,600	39	260
Newaygo	4,900	4,900	27	130	4,700	4,700	38	180
Oceana	3,000	3,000	30	90	2,700	2,600	29	75
<b>West Central</b>	16,000	15,900	31	500	17,000	16,900	37	620
Gladwin	4,300	4,300	42	180	5,100	5,000	41	205
Gratiot	86,000	86,000	39	3,350	83,000	82,500	47	3,910
Isabella	48,000	48,000	46	2,200	46,000	45,900	45	2,080
Mecosta	1,200	1,200	36	43	2,000	2,000	20	40
Midland	19,500	19,500	40	775	20,000	19,900	40	795
Montcalm	20,000	20,000	40	790	22,000	21,900	39	865
Other counties <sup>2</sup>	1,000	1,000	42	42	1,900	1,800	36	65
<b>Central</b>	180,000	180,000	41	7,380	180,000	179,000	44	7,960
Arenac	14,600	14,500	40	580	15,000	14,800	41	600
Bay	37,800	37,700	40	1,490	38,000	37,800	41	1,560
Huron	50,600	48,300	46	2,200	46,000	45,800	49	2,240
Saginaw	100,000	98,500	32	3,200	90,000	89,500	43	3,880
Sanilac	134,000	134,000	45	6,000	131,000	130,500	49	6,450
Tuscola	78,000	77,000	38	2,930	75,000	74,600	45	3,370
<b>East Central</b>	415,000	410,000	40	16,400	395,000	393,000	46	18,100
Allegan	44,700	44,400	41	1,820	46,000	45,200	45	2,030
Berrien	44,900	44,700	32	1,430	46,000	45,700	47	2,160
Cass	46,900	46,800	35	1,620	51,000	50,800	47	2,410
Kalamazoo	34,600	34,500	40	1,370	35,000	34,900	47	1,650
Kent	22,000	21,900	41	890	22,000	21,900	41	900
Ottawa	22,400	22,300	30	660	24,000	23,900	45	1,070
Van Buren	24,500	24,400	33	810	26,000	25,600	38	980
<b>Southwest</b>	240,000	239,000	36	8,600	250,000	248,000	45	11,200
Barry	30,100	30,000	37	1,100	31,000	30,900	45	1,390
Branch	74,000	73,900	39	2,870	76,000	75,800	47	3,530
Calhoun	72,200	72,100	34	2,440	71,000	70,700	42	2,990
Clinton	75,700	75,600	34	2,590	72,000	71,800	45	3,230
Eaton	68,900	68,800	33	2,300	66,000	65,700	47	3,090
Hillsdale	70,000	69,900	42	2,920	75,000	74,800	47	3,510
Ingham	54,900	54,800	37	2,050	56,000	55,800	47	2,600
Ionia	59,900	59,800	40	2,380	58,000	57,900	45	2,580
Jackson	44,600	44,500	37	1,640	43,000	42,700	43	1,830
St Joseph	56,000	56,000	42	2,340	54,000	53,900	51	2,760
Shiawassee	88,700	88,600	34	2,970	83,000	82,500	40	3,340
<b>South Central</b>	695,000	694,000	37	25,600	685,000	682,500	45	30,850

See footnote(s) at end of table.

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**Soybeans: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup> (continued)**

County and district	2005				2006			
	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	42,700	42,600	38	1,600	45,000	44,700	36	1,610
Lapeer	49,000	49,000	39	1,900	52,000	51,500	47	2,440
Lenawee	116,000	116,000	44	5,100	113,500	113,000	47	5,340
Livingston	19,700	19,700	35	680	20,000	19,900	44	866
Macomb	21,200	21,200	39	830	22,000	21,900	43	932
Monroe	80,600	79,000	42	3,300	81,000	80,900	45	3,670
Oakland	3,000	3,000	27	80	3,000	3,000	43	130
St Clair	59,600	59,500	39	2,350	68,000	67,700	47	3,150
Washtenaw	44,700	44,500	39	1,750	47,000	46,900	42	1,950
Wayne	3,500	3,500	31	110	3,500	3,500	32	112
<b>Southeast</b>	440,000	438,000	40	17,700	455,000	453,000	45	20,200
Other districts <sup>2</sup>	3,000	2,600	25	65				
<b>Michigan</b>	2,000,000	1,990,000	38.5	76,615	2,000,000	1,990,000	45.0	89,550

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Sugarbeets: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup>**

County and district	2005				2006			
	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>
<b>Northeast</b>	600	600	21.7	13	500	500	18.0	9
Gladwin	1,000	1,000	23.0	23	1,000	1,000	19.0	19
Gratiot	11,000	10,800	20.4	220	11,600	11,200	18.8	210
Isabella	900	900	20.0	18				
Midland	3,200	3,200	19.7	63	4,000	3,900	19.2	75
Montcalm	1,100	1,100	22.7	25				
Other counties <sup>2</sup>					900	900	17.8	16
<b>Central</b>	17,200	17,000	20.5	349	17,500	17,000	18.8	320
Arenac	3,700	3,700	23.5	87	3,500	3,500	21.1	74
Bay	14,500	14,000	19.1	268	14,700	14,600	20.3	296
Huron	54,500	54,000	22.6	1,220	55,500	55,400	24.9	1,380
Saginaw	16,300	16,200	20.1	326	17,000	16,900	22.4	378
Sanilac	20,000	19,800	22.0	436	20,200	20,100	24.8	498
Tuscola	21,000	20,600	20.5	423	21,100	21,000	24.5	514
<b>East Central</b>	130,000	128,300	21.5	2,760	132,000	131,500	23.9	3,140
Clinton	1,800	1,800	19.4	35	1,500	1,500	18.7	28
Ionia	500	500	16.0	8	500	500	22.0	11
Shiawassee	1,000	900	20.0	18	800	800	20.0	16
<b>South Central</b>	3,300	3,200	19.1	61	2,800	2,800	19.6	55
Genesee	700	700	20.0	14				
Lapeer	1,000	1,000	20.0	20	900	900	24.4	22
St Clair	1,200	1,200	17.5	21				
Other counties <sup>2</sup>					1,300	1,300	20.8	27
<b>Southeast</b>	2,900	2,900	19.0	55	2,200	2,200	22.3	49
<b>Michigan</b>	154,000	152,000	21.3	3,238	155,000	154,000	23.2	3,573

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Wheat: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup>**

County and district	2005				2006			
	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					600	550	33	18
Other counties <sup>2</sup>					1,400	1,350	39	52
<b>Upper Peninsula</b>	1,000	1,000	30	30	2,000	1,900	37	70
Grand Traverse	1,500	1,500	43	64	1,500	1,300	55	72
Missaukee	1,100	1,000	45	45	800	800	68	54
Other counties <sup>2</sup>	1,400	1,400	36	51	1,700	1,700	49	84
<b>Northwest</b>	4,000	3,900	41	160	4,000	3,800	55	210
Alcona	1,200	1,200	68	81				
Alpena	3,900	3,900	52	204	4,100	4,100	63	258
Iosco	1,900	1,800	74	133	1,800	1,800	78	140
Montmorency	1,200	1,200	48	58	1,000	1,000	62	62
Ogemaw	1,500	1,500	76	114	1,200	1,200	86	103
Presque Isle	3,300	3,250	44	143	3,300	3,300	49	162
Other counties <sup>2</sup>	1,000	850	44	37	1,600	1,600	59	95
<b>Northeast</b>	14,000	13,700	56	770	13,000	13,000	63	820
Mason	4,100	4,100	60	245	4,100	3,800	60	227
Muskegon	2,700	2,350	54	126	3,500	1,950	61	119
Newaygo	2,200	2,050	52	107				
Oceana					2,000	1,950	56	109
Other counties <sup>2</sup>	2,000	2,000	61	122	2,400	2,300	59	135
<b>West Central</b>	11,000	10,500	57	600	12,000	10,000	59	590
Clare	1,200	1,200	48	57	1,000	1,000	72	72
Gladwin	1,900	1,800	46	82	2,000	1,900	62	117
Gratiot	21,800	21,100	72	1,520	25,300	25,200	76	1,910
Isabella	20,500	20,000	62	1,240	20,500	19,500	77	1,510
Mecosta	1,900	1,900	35	67	2,200	2,100	42	88
Midland	4,400	4,300	67	290	5,600	5,500	75	415
Montcalm	13,800	13,700	53	724	14,900	14,800	66	975
Osceola	500	500	40	20	500	500	66	33
<b>Central</b>	66,000	64,500	62	4,000	72,000	70,500	73	5,120
Arenac	7,000	6,600	72	472	8,100	8,050	78	630
Bay	14,000	13,600	68	923	15,800	15,750	81	1,280
Huron	50,900	50,700	80	4,050	58,300	58,100	86	4,970
Saginaw	25,800	25,400	71	1,800	31,000	30,600	82	2,500
Sanilac	51,500	51,200	71	3,610	62,500	62,300	80	4,990
Tuscola	30,800	30,500	70	2,145	34,300	34,200	77	2,630
<b>East Central</b>	180,000	178,000	73	13,000	210,000	209,000	81	17,000
Allegan	9,000	9,000	66	595	10,600	10,300	71	728
Berrien	4,700	4,600	60	274	5,800	5,700	62	355
Cass	5,100	3,700	51	190	4,800	3,000	60	181
Kalamazoo	4,000	3,950	50	199	4,900	4,700	57	270
Kent	6,100	5,800	58	338	5,900	5,700	71	405
Ottawa	4,800	4,750	64	306	6,900	6,800	69	466
Van Buren	1,300	1,100	44	48	2,100	1,600	53	85
<b>Southwest</b>	35,000	32,900	59	1,950	41,000	37,800	66	2,490

See footnote(s) at end of table.

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**Wheat: Acreage, yield, and production, by county, 2005-2006 <sup>1</sup> (continued)**

County and district	2005				2006			
	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	8,300	8,250	66	541	8,700	8,700	66	570
Branch	8,600	8,550	55	466	7,900	7,800	60	467
Calhoun	13,600	13,400	53	713	11,900	11,900	61	729
Clinton	23,100	22,600	73	1,640	25,800	25,700	76	1,960
Eaton	18,000	17,900	63	1,130	20,700	20,700	71	1,460
Hillsdale	14,800	14,700	64	939	16,400	16,300	63	1,030
Ingham	19,200	19,100	66	1,260	18,700	18,600	74	1,380
Ionia	12,400	12,400	64	792	13,300	13,300	66	875
Jackson	10,600	10,500	53	557	11,000	10,900	57	621
St Joseph	3,700	3,700	49	182	4,000	3,600	58	208
Shiawassee	25,700	24,900	62	1,540	31,600	31,500	67	2,100
<b>South Central</b>	158,000	156,000	63	9,760	170,000	169,000	67	11,400
Genesee	10,800	10,600	58	611	12,400	12,400	62	774
Lapeer	12,600	12,600	62	784	11,200	11,000	70	773
Lenawee	37,000	36,300	74	2,680	38,500	38,500	76	2,926
Livingston	8,300	8,300	61	510	8,100	8,100	77	625
Macomb	4,700	4,600	63	288	5,000	4,900	62	303
Monroe	22,600	22,300	72	1,610	27,200	27,000	77	2,070
Oakland	1,100	1,100	45	49	900	900	61	55
St Clair	18,300	18,200	65	1,190	16,700	16,600	74	1,230
Washtenaw	14,900	14,900	61	916	15,500	15,100	64	970
Wayne	700	600	53	32	500	500	48	24
<b>Southeast</b>	131,000	129,500	67	8,670	136,000	135,000	72	9,750
<b>Michigan</b>	600,000	590,000	66	38,940	660,000	650,000	73	47,450

<sup>1</sup> Estimates not published for counties with less than 500 acres.

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

**Cattle: January 1, by county, 2006-2007<sup>1</sup>**

County and district	All cattle and calves		Milk cows		County and district	All cattle and calves		Milk cows	
	2006	2007	2006	2007		2006	2007	2006	2007
	<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	1,900			Arenac	6,500	7,000	2,700	2,800
Baraga	1,100	1,200			Bay	4,500	5,000	1,500	1,400
Chippewa	9,000	9,500	1,000	1,000	Huron	96,000	102,000	20,900	24,400
Delta	8,000	8,500	1,500	1,600	Saginaw	9,000	8,000	2,500	2,600
Dickinson	3,000	3,000	600	500	Sanilac	53,000	54,000	17,900	19,500
Houghton	1,400	1,400			Tuscola	18,000	19,000	4,500	4,800
Iron	1,700	1,600			<b>East Central</b>	187,000	195,000	50,000	55,500
Mackinac	2,400	2,300	700	700	Allegan	50,000	45,000	18,700	19,000
Marquette	1,700	1,600			Berrien	4,900	5,000	1,600	1,600
Menominee	17,000	17,500	7,000	7,000	Cass	5,000	5,500	700	600
Ontonagon	3,200	2,900	500		Kalamazoo	12,000	12,000		
Schoolcraft	1,300	1,400			Kent	29,000	29,000	10,400	10,100
Other counties <sup>2</sup>	1,400	1,200	1,700	2,200	Ottawa	40,000	45,000	11,800	11,200
<b>Upper Peninsula</b>	53,000	54,000	13,000	13,000	Van Buren	7,100	7,500		
Antrim	4,000	4,000	700	700	Other counties <sup>2</sup>			8,800	9,500
Benzie	1,500	1,500			<b>Southwest</b>	148,000	149,000	52,000	52,000
Charlevoix	3,100	3,300	600	600	Barry	25,500	25,000	9,200	9,600
Emmet	5,000	5,500	700	700	Branch	11,000	14,000	2,800	3,000
Grand Traverse	5,100	4,800			Calhoun	15,000	16,000	4,100	4,100
Kalkaska	1,000	1,100			Clinton	46,500	48,000	19,700	21,100
Leelanau	2,900	3,100			Eaton	12,000	12,000	1,900	1,900
Manistee	2,200	2,400			Hillsdale	25,000	26,000	11,000	10,900
Missaukee	24,000	27,000	10,700	11,700	Ingham	18,000	19,000	5,500	5,600
Wexford	4,200	4,300	700	700	Ionia	34,500	35,000	12,200	12,100
Other counties <sup>2</sup>			1,100	1,100	Jackson	23,000	24,000	3,900	4,000
<b>Northwest</b>	53,000	57,000	14,500	15,500	St Joseph	7,500	8,000	1,400	1,500
Alcona	5,900	6,000	1,000	1,100	Shiawassee	13,000	13,000	3,300	3,200
Alpena	9,400	10,000	3,400	3,300	<b>South Central</b>	231,000	240,000	75,000	77,000
Cheboygan	5,500	6,200	1,200	1,000	Genesee	7,100	7,200	1,700	1,700
Iosco	8,300	8,300	2,000	2,200	Lapeer	16,500	16,500	3,900	3,900
Montmorency	2,900	3,100	700	700	Lenawee	27,500	31,000	9,900	10,200
Ogemaw	15,500	13,500	5,600	5,600	Livingston	7,800	8,000	2,800	2,900
Oscoda	3,000	3,100			Macomb	4,100	4,000	600	600
Otsego		2,600			Monroe	4,200	4,500		
Presque Isle	6,700	6,700	1,400	1,400	St Clair	11,000	11,000	1,400	1,500
Other counties <sup>2</sup>	2,800	500	700	700	Washtenaw	13,000	11,000	2,900	2,900
<b>Northeast</b>	60,000	60,000	16,000	16,000	Other counties <sup>2</sup>	1,800	1,800	800	800
Lake	2,100	2,000			<b>Southeast</b>	93,000	95,000	24,000	24,500
Mason	7,400	8,500	2,300	2,400	<b>Michigan</b>	1,030,000	1,060,000	312,000	324,000
Muskegon	19,500	20,500							
Newaygo	24,000	24,000	12,400	12,900					
Oceana	8,000	8,000	2,400	2,300					
Other counties <sup>2</sup>			6,900	6,400					
<b>West Central</b>	61,000	63,000	24,000	24,000					
Clare	13,000	12,500	2,500	2,400					
Gladwin	7,000	7,000							
Gratiot	32,000	33,000	10,100	11,800					
Isabella	26,500	25,500	7,300	7,500					
Mecosta	15,000	15,000	4,600	4,800					
Midland	5,500	6,000							
Montcalm	25,000	27,000	9,900	9,600					
Osceola	20,000	21,000	5,300	5,300					
Other counties <sup>2</sup>			3,800	5,100					
<b>Central</b>	144,000	147,000	43,500	46,500					

<sup>1</sup> Estimates are not published for counties with less than 500 head.

<sup>2</sup> Not published separately because of insufficient data or to avoid disclosure of individual operations.

**Dairy: Number of operations and total milk produced, by county, 2005-2006 <sup>1</sup>**

County and district	2005		2006 <sup>2</sup>		County and district	2005		2006 <sup>2</sup>	
	Operations	Total milk produced	Operations	Total milk produced		Operations	Total milk produced	Operations	Total milk produced
	<i>Number</i>	<i>1,000 pounds</i>	<i>Number</i>	<i>1,000 pounds</i>		<i>Number</i>	<i>1,000 pounds</i>	<i>Number</i>	<i>1,000 pounds</i>
Alger	9		9		Arenac	24	70,000	23	71,500
Baraga	2		2		Bay	15	24,000	14	24,000
Chippewa	14	14,700	13	14,300	Huron	142	527,000	138	602,000
Delta	21	23,900	20	18,900	Saginaw	30	52,000	30	53,500
Dickinson	9	11,400	8	10,100	Sanilac	197	340,000	190	358,000
Houghton	5		4		Tuscola	52	102,000	50	111,000
Iron	1				<b>East Central</b>	460	1,115,000	445	1,220,000
Mackinac	8	16,300	7	15,800					
Marquette	5		5		Allegan	102	363,000	97	397,000
Menominee	66	130,000	63	132,000	Berrien	13	48,000	13	46,700
Ontonagon	9	7,100	8		Cass	15	8,000	13	7,300
Schoolcraft	1		1		Kalamazoo	14		13	
Other counties <sup>3</sup>		21,600		28,900	Kent	61	172,000	57	179,000
<b>Upper Peninsula</b>	150	225,000	140	220,000	Ottawa	86	383,000	84	445,000
Antrim	10	12,700	9	12,600	Van Buren	19		18	
Charlevoix	7	11,400	7	11,500	Other counties <sup>3</sup>		226,000		225,000
Emmet	8	12,100	8	12,200	<b>Southwest</b>	310	1,200,000	295	1,300,000
Grand Traverse	9		8						
Kalkaska	3		3		Barry	43	247,000	40	239,000
Leelanau	8		8		Branch	68	60,700	66	64,000
Manistee	4		3		Calhoun	44	120,000	42	121,000
Missaukee	69	229,000	68	258,000	Clinton	82	492,000	79	522,000
Wexford	17	13,500	16	13,300	Eaton	36	33,700	34	33,500
Other counties <sup>3</sup>		16,300		12,400	Hillsdale	160	131,000	154	136,000
<b>Northwest</b>	135	295,000	130	320,000	Ingham	45	117,000	44	120,000
Alcona	10	15,300	10	17,700	Ionia	70	267,000	67	270,000
Alpena	46	59,000	46	59,700	Jackson	34	133,000	32	118,000
Cheboygan	9	22,300	8	20,200	St Joseph	36	20,300	34	34,000
Iosco	19	38,000	18	43,200	Shiawassee	42	68,300	38	62,500
Montmorency	12	14,000	11	14,500	<b>South Central</b>	660	1,690,000	630	1,720,000
Ogemaw	41	107,000	41	111,000					
Oscoda	18		17		Genesee	15	31,800	15	31,700
Otsego	2		2		Lapeer	62	68,500	59	67,300
Presque Isle	18	25,700	17	25,400	Lenawee	38	316,000	36	307,000
Other counties <sup>3</sup>		13,700		13,300	Livingston	18	65,500	17	66,000
<b>Northeast</b>	175	295,000	170	305,000	Macomb	12	8,800	12	9,300
Lake	4		4		Monroe	6		6	
Mason	29	44,100	27	45,000	Oakland	2		2	
Muskegon	27		27		St Clair	28	27,500	25	27,700
Newaygo	87	182,000	81	179,000	Washtenaw	34	57,000	33	55,200
Oceana	28	25,500	26	25,400	Other counties <sup>3</sup>		9,900		10,800
Other counties <sup>3</sup>		168,400		150,600	<b>Southeast</b>	215	585,000	205	575,000
<b>West Central</b>	175	420,000	165	400,000					
Clare	46	57,500	46	57,000					
Gladwin	62		60		<b>Michigan</b>	2,800	6,750,000	2,700	7,100,000
Gratiot	42	267,000	43	376,000					
Isabella	85	149,000	83	145,000					
Mecosta	117	73,500	120	77,500					
Midland	5		5						
Montcalm	98	195,000	98	205,000					
Osceola	65	143,000	65	140,000					
Other counties <sup>3</sup>		40,000		39,500					
<b>Central</b>	520	925,000	520	1,040,000					

<sup>1</sup> Production estimates are not published for counties with 5 or fewer farms or with less than 5 million pounds of annual production. An operation is any place having one or more head on hand at any time during the year.

<sup>2</sup> Summarized and published through the financial contributions of the Michigan Milk Producers Association.

<sup>3</sup> Not published separately because of insufficient data or to avoid disclosure of individual operations.

**Hogs and pigs: December 1, by county, 2005-2006 <sup>1</sup>**

County and district	All hogs and pigs		County and district	All hogs and pigs	
	2005	2006 <sup>2</sup>		2005	2006 <sup>2</sup>
	<i>Head</i>	<i>Head</i>		<i>Head</i>	<i>Head</i>
Chippewa	1,100		Allegan	160,000	
Marquette	500		Berrien	20,000	
Other counties <sup>3</sup>	1,200		Cass	180,000	
<b>Upper Peninsula</b>	2,800		Kalamazoo	27,000	
Antrim	500		Kent	11,000	
Benzie	800		Ottawa	72,000	
Emmet	500		Van Buren	30,000	
Grand Traverse	3,700		<b>Southwest</b>	500,000	
Missaukee	500		Barry	8,000	
Other counties <sup>3</sup>	1,200		Branch	65,000	
<b>Northwest</b>	7,200		Calhoun	56,000	
Cheboygan	500		Clinton	12,000	
Other counties <sup>3</sup>	2,000		Eaton	10,000	
<b>Northeast</b>	2,500		Hillsdale	31,000	
Lake	500		Ingham	5,000	
Mason	1,800		Ionia	18,500	
Muskegon	5,800		Jackson	3,500	
Newaygo	6,900		St Joseph	14,000	
Oceana	19,000		Shiawassee	2,000	
<b>West Central</b>	34,000		<b>South Central</b>	225,000	
Clare	2,500		Genesee	2,500	
Gladwin	4,000		Lapeer	2,000	
Gratiot	30,000		Lenawee	9,000	
Isabella	8,500		Livingston	900	
Mecosta	11,000		Macomb	1,200	
Midland	1,500		Monroe	6,000	
Montcalm	16,000		St Clair	1,400	
Osceola	1,500		Washtenaw	5,000	
<b>Central</b>	75,000		Other counties <sup>3</sup>	500	
Arenac	1,400		<b>Southeast</b>	28,500	
Bay	1,400		<b>Michigan</b>	960,000	1,000,000
Huron	62,000				
Saginaw	5,900				
Sanilac	5,300				
Tuscola	9,000				
<b>East Central</b>	85,000				

<sup>1</sup> Estimates are not published for counties with less than 500 hogs.

<sup>2</sup> County estimates discontinued due to State budget reductions.

<sup>3</sup> 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	<a href="http://www.ams.usda.gov/marketnews.htm">www.ams.usda.gov/marketnews.htm</a>
APHIS-Animal and Plant Health Inspection Service	<a href="http://www.aphis.usda.gov">www.aphis.usda.gov</a>
ERS-Economic Research Service	<a href="http://www.ers.usda.gov">www.ers.usda.gov</a>
FSA-Farm Service Agency	<a href="http://www.fsa.usda.gov">www.fsa.usda.gov</a>
MDA-Michigan Department of Agriculture	<a href="http://www.michigan.gov/mda">www.michigan.gov/mda</a>
MSU Extension	<a href="http://www.msue.msu.edu">www.msue.msu.edu</a>
NASS-National Agricultural Statistics Service	<a href="http://www.nass.usda.gov">www.nass.usda.gov</a>
NRCS-Natural Resources Conservation Service	<a href="http://www.nrcs.usda.gov">www.nrcs.usda.gov</a>
RD-Rural Development	<a href="http://www.rurdev.usda.gov">www.rurdev.usda.gov</a>
USDA-United States Department of Agriculture	<a href="http://www.usda.gov">www.usda.gov</a>
USDA, NASS, Michigan Field Office	<a href="http://www.nass.usda.gov">www.nass.usda.gov</a>

## Commodity Groups

Apples-Michigan Apple Committee	<a href="http://www.michiganapples.com">www.michiganapples.com</a>
Asparagus-Michigan Asparagus Advisory Board	<a href="http://www.asparagus.com">www.asparagus.com</a>
Bison-Michigan Bison Association	<a href="http://www.michiganbison.com">www.michiganbison.com</a>
Blueberries-Michigan Blueberry Growers Association	<a href="http://www.blueberries.com">www.blueberries.com</a>
Cattle-Michigan Beef Industry Commission	<a href="http://www.mibeef.org">www.mibeef.org</a>
Celery-Michigan Celery Promotion Cooperative	<a href="http://www.michigancelery.com">www.michigancelery.com</a>
Cherries-Cherry Industry Administrative Board (CIAB)	<a href="http://www.cherryboard.org">www.cherryboard.org</a>
Cherries-Cherry Marketing Institute	<a href="http://www.choosecherries.com">www.choosecherries.com</a>
Christmas Trees-Michigan Christmas Tree Association	<a href="http://www.mcta.org">www.mcta.org</a>
Corn-Michigan Corn Growers Association	<a href="http://www.micorn.org">www.micorn.org</a>
Dairy-Michigan Milk Producers Association	<a href="http://www.mimilk.com">www.mimilk.com</a>
Dairy-United Dairy Industry of MI	<a href="http://www.udim.org">www.udim.org</a>
Dry Beans-Michigan Bean Commission	<a href="http://www.michiganbean.org">www.michiganbean.org</a>
Dry Beans-Michigan Bean Shippers / Agri-Business Association	<a href="http://www.miagbiz.org">www.miagbiz.org</a>
Floriculture-Michigan Floral Association	<a href="http://www.michiganfloral.org">www.michiganfloral.org</a>
Grapes-Michigan Grape and Wine Industry Council	<a href="http://www.michiganwines.com">www.michiganwines.com</a>
Horses-Michigan Horse Council	<a href="http://www.michiganhorsecouncil.com">www.michiganhorsecouncil.com</a>
Nursery-Michigan Nursery & Landscape Association	<a href="http://www.mnla.org">www.mnla.org</a>
Peaches-Michigan Peach Sponsors	<a href="http://www.michiganpeach.org">www.michiganpeach.org</a>
Pork-National Pork Board and Pork Producers Council	<a href="http://www.nppc.org">www.nppc.org</a>
Potatoes-Michigan Potato Industry Commission	<a href="http://www.mipotato.com">www.mipotato.com</a>
Soybeans-Michigan Soybean Promotion Committee	<a href="http://www.michigansoybean.org">www.michigansoybean.org</a>
Turfgrass-Michigan Turfgrass Association	<a href="http://www.michiganturfgrass.org">www.michiganturfgrass.org</a>
Turkeys-Michigan Turkey Producers	<a href="http://www.miturkey.com">www.miturkey.com</a>

## Other Related Sites

American Farm Bureau Federation	<a href="http://www.fb.org">www.fb.org</a>
Michigan Farm Bureau	<a href="http://www.michiganfarmbureau.com">www.michiganfarmbureau.com</a>
Michigan Food and Farming Systems (MIFFS) on-line directory	<a href="http://www.miffsmarketline.org">www.miffsmarketline.org</a>
MSU Agriculture Weather Office	<a href="http://www.agweather.geo.msu.edu">www.agweather.geo.msu.edu</a>

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## INTERNET ACCESS

Reports, data products, and services published by the USDA, NASS, Michigan Field Office, Michigan Department of Agriculture, 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:

- **Michigan Department of Agriculture (MDA)**

MDA home page at: [www.michigan.gov/mda](http://www.michigan.gov/mda)

- **USDA, NASS, Michigan Field Office**

From the NASS home page, [www.nass.usda.gov](http://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, press releases, *Agriculture Across Michigan*, and county estimates.

- **National Agricultural Statistics Service (NASS)**

NASS home page at: [www.nass.usda.gov](http://www.nass.usda.gov)

You can access national releases, 2002 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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## AUTOFAX ACCESS

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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Other areas, please call 1-703-834-0125 FAX: 1-703-834-0110

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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](mailto:nass@nass.usda.gov).

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