

2012-13





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GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF AGRICULTURE  
AND RURAL DEVELOPMENT

JAMIE CLOVER ADAMS  
DIRECTOR

As the Michigan Department of Agriculture and Rural Development (MDARD) director, my passion is to help plant the seeds of entrepreneurship, encourage opportunities for rural development, and watch the state's food and agriculture system continue to grow.

Michigan's food and agriculture sector proudly generates \$96 billion each year for the state's economy. It continues to play a vital role in Michigan's economic comeback and I could not be more gratified as I watch it grow.

I am proud of the role MDARD plays in ensuring a strong, viable and safe food system, as well as helping to identify new opportunities for our talented workforce within the food and agriculture industry. Whether it be a beginning farmer, a food scientist, a microbiologist, a veterinarian, or one of the many other career paths, there are tremendous job opportunities right here in Michigan.

Did you know that Michigan produces more than 300 commodities on a commercial basis, making us second only to California in agricultural diversity? In 2012, our annual agricultural exports generated \$3.2 billion – of which 60 percent goes directly to Canada. Further, our state leads the nation in the production of 18 commodities and ranks in the top 10 of 30 other commodities. Additionally, Michigan is home to approximately 10 million acres of farmland and 52,194 farms.

It's an exciting time to be a part of the food and agriculture sector. Our producers, ag-based businesses, and budding entrepreneurs are vital leaders in the reinvention of our state. We will continue to serve, promote and protect the food, agricultural, environmental, and economic interests of the people of Michigan with great pride.

If you have questions or comments about MDARD or our state's food and agriculture industry, please contact the department at (800) 292-3939 or [mda-info@michigan.gov](mailto:mda-info@michigan.gov).

Sincerely,

A handwritten signature in cursive script that reads "Jamie Clover Adams".





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



September 2013

The US Department of Agriculture's (USDA) National Agricultural Statistics Service's (NASS) – Michigan Field Office is pleased to present the 2012-2013 edition of *Michigan Agricultural Statistics*. This publication, which is also available on our web site, is a compilation of the many statistical reports published over the past year that highlight Michigan's diverse agriculture sector.

The statistics in this bulletin showcase this diversity and are used on a regular basis to make informed decisions by producers, consultants, advisors, government officials, and others. The compilation of this bulletin is a product of the partnership between the Michigan Department of Agriculture and Rural Development (MDARD), Michigan State University (MSU), and NASS.

I would like to extend a special thanks to all those producers, agri-businesses, commodity groups, and countless others who have given their valuable time to provide the information that serve as a basis for these data. Their responses are through the Internet, mail, via telephone, and face-to-face interviews.

Special thanks also go to the office staff and the core of National Association of State Department of Agriculture enumerators for their outstanding work in collecting and providing timely and accurate data. Without their dedication to Michigan agriculture, we would be unable to successfully provide these many data.

The cover of this publication is motivated by the Farm to Fork initiative. There is an ever increasing interest in purchasing and consuming local food. This is noticeable throughout Michigan in our many farmers markets. The markets allow our States agricultural producers to provide fresh, safe, and affordable products directly to their consumers.

The Census of Agriculture is conducted every 5 years. We are currently finalizing analysis of the 2012 Census of Agriculture and will be releasing the preliminary results in February 2014. Results will include information on direct sales to consumers, including those at farmers markets throughout the State. The wide-array of data published at the county level is used by communities and organizations throughout the State to plan for the future and compete for valuable resources. We thank the state's producers for providing the information which helps ensure the successes and diversity of Michigan agriculture.

Good decisions can only be made with good information. Our agency continually strives to meet our mission of providing timely, accurate, and useful statistics in service to U.S. agriculture. Thanks again to all those who provided, collected, and analyzed the data in this publication. If you have any questions about these data or need any additional information, please visit our web site at [www.nass.usda.gov](http://www.nass.usda.gov) and/or contact our office at (517) 324-5300. We look forward to serving you.

Sincerely,

Jay V. Johnson  
Director

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# Contents

<b>Farm Economics</b> .....	<b>1</b>	<b>Horticulture</b> .....	<b>39</b>
National rankings .....	1	Growers and growing area .....	39
Farm numbers and land in farms .....	2	Floriculture crops .....	40
Farm income .....	2	Bedding plants .....	41
Prices received, livestock .....	8	Hanging baskets .....	42
Farm marketings .....	9	Potted flowering and annual bedding plants .....	43
Prices received, crops .....	10	Herbaceous perennials.....	45
Production expenses .....	11		
Farm Labor .....	11	<b>Livestock, Dairy, &amp; Poultry</b> .....	<b>46</b>
Agricultural Exports .....	12	Record highs and lows .....	46
		Cattle and calves .....	46
<b>Field Crops</b> .....	<b>13</b>	Dairy .....	48
Weather summary .....	13	Hogs and pigs.....	51
Area and value .....	13	Honey .....	53
Record highs and lows .....	14	Mink .....	53
Barley .....	15	Poultry.....	54
Corn.....	15	Sheep .....	55
Dry edible beans .....	18	Goats .....	55
Hay and haylage .....	20	Trout .....	57
Maple syrup .....	21		
Mint.....	21	<b>County Estimates</b> .....	<b>58</b>
Oats .....	21	County rankings.....	59
Potatoes .....	22	Corn.....	60
Soybeans .....	23	Dry edible beans .....	62
Sugarbeets .....	26	Oats .....	63
Wheat .....	26	Soybeans .....	65
		Sugarbeets .....	67
<b>Fruit</b> .....	<b>29</b>	Wheat .....	68
Record highs and lows .....	29	Cash Rents.....	70
Fruit Acres, Production and Value .....	29	Cattle .....	72
Apples.....	31		
Blueberries .....	31	<b>Customer Service</b>	
Cherries, sweet .....	32	Agriculture internet sites .....	Appendix A 73
Cherries, tart.....	32	Internet and other services .....	Appendix B 74
Grapes.....	33		
Strawberries .....	34		
Refrigerated warehouses .....	34		
<b>Vegetables</b> .....	<b>35</b>		
Record highs and lows .....	35		
Processing.....	36		
Fresh market .....	37		
Dual purpose .....	38		
U.S. Pickle stocks.....	38		

# Charts and Graphs

Major Michigan Commodity Groups, 2012 .....	3
Top 20 Commodities in Cash Receipts, 2012 .....	3
Corn for grain acres, 1937-2012 .....	16
Corn yield, 1937-2012.....	16
Corn production, 1937-2012 .....	16
Corn progress, 2008-2012 .....	18
Soybean progress, 2008-2012.....	24
Soybean harvested acres, 1937-2012.....	25
Soybean yield, 1937-2012 .....	25
Soybean production, 1937-2012 .....	25
Wheat harvested acres, 1937-2012 .....	27
Wheat yield, 1937-2012 .....	27
Wheat production, 1937-2012.....	27
Selected Floriculture Crops, 2012 .....	40
Michigan Livestock: Value of Production, 2012 .....	47
Annual Milk per Cow, 1986-2012 .....	48
December 1 Hog Inventory, 1937-2012 .....	51
Agricultural Statistics Districts .....	58

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**Rank in U.S. agriculture by selected commodities, 2012**

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
<b>1</b>	Beans, dry, black	Cwt	1,602	42.8	Michigan
	Beans, dry, cranberry	Cwt	51	68.0	Michigan
	Beans, dry, small red	Cwt	328	39.1	Michigan
	Begonias	Baskets	527	30.6	Michigan
	Begonias	Flats	762	19.2	Michigan
	Blueberries	Pounds	87,000	18.4	Michigan
	Cucumbers for pickles	Tons	155	31.4	Michigan
	Easter Lilies	Pots	1,173	23.0	Michigan
	Geraniums, from seed	Pots	8,957	51.2	Michigan
	Geraniums, vegetative cuttings	Baskets	656	20.2	Michigan
	Impatiens, other	Baskets	620	25.3	Michigan
	Impatiens, other	Flats	1,563	20.9	Michigan
	Petunias	Baskets	1,169	24.1	Michigan
	Petunias	Pots	4,479	15.0	Michigan
Squash	Cwt	1,416	18.8	Michigan	
<b>2</b>	Beans, dry, all	Cwt	3,526	11.0	North Dakota
	Beans dry, navy	Cwt	1,277	26.0	North Dakota
	Carrots (fresh market)	Cwt	420	1.8	California
	Celery	Cwt	1,130	5.7	California
	Hostas	Pots	1,700	19.8	South Carolina
	Impatiens, New Guinea	Pots	2,827	18.1	Florida
	Marigolds	Flats	566	16.4	California
	Other Flowering and Foliar	Baskets	2,431	16.8	North Carolina
	Pansies/Violas	Baskets	220	20.2	North Carolina
	Petunias	Flats	1,240	18.3	California
	Vegetable type bedding plants	Pots	5,172	11.4	California
<b>3</b>	Asparagus	Cwt	191	25.1	California
	Beans, dry, light red kidney	Cwt	132	16.4	Minnesota
	Beans, snap (processing)	Tons	71.2	9.7	Wisconsin
	Cherries, tart	Pounds	11,600	13.6	Utah
	Chrysanthemums, hardy/garden	Pots	5,480	11.1	California
	Geraniums, from vegetative cuttings	Pots	3,365	9.7	California
	Grapes, Niagara	Tons	10.8	21.5	Washington
<b>4</b>	Cherries, sweet	Tons	4.2	1.0	Washington
	Grapes, Concord	Tons	21.0	6.9	Washington
	Other herbaceous perennials	Pots	12,087	8.3	Florida
	Sugarbeets	Tons	4,437	12.6	Minnesota
	Tomatoes (processing)	Tons	122.5	0.9	California
<b>5</b>	Alfalfa haylage and greenchop	Tons	1,386	7.9	Wisconsin
	Beans, dry, dark red kidney	Cwt	35	3.9	Minnesota
	Plums	Tons	0.6	0.1	California
<b>6</b>	All haylage and greenchop	Tons	1,462	5.5	Wisconsin
	Cucumbers (fresh market)	Cwt	612	6.1	Georgia
	Grapes	Tons	38.2	0.5	California
	Maple syrup	Gallons	148	4.5	Vermont
	Pumpkins	Cwt	945	7.6	Illinois
<b>7</b>	Apples	Pounds	115,000	1.3	Washington
<b>8</b>	Egg Production	Eggs	3,460,000	3.7	Iowa
	Milk	Pounds	8,889,000	4.4	California
	Potatoes	Cwt	15,925	3.4	Idaho
<b>11</b>	Corn for grain	Bushels	317,870	2.9	Iowa
<b>12</b>	Soybeans	Bushels	85,570	2.8	Iowa
	Wheat, winter	Bushels	41,040	2.5	Kansas
<b>13</b>	Hogs, as of Dec. 1, 2012	Head	1,080	1.6	Iowa
<b>18</b>	Cash receipts	Dollars	8,293,622	2.1	California
<b>21</b>	Peaches	Tons	1.98	0.2	California
<b>28</b>	Cattle, as of Jan. 1, 2013	Head	1,120	1.2	Texas
	Hay, all, dry	Tons	1,851	1.5	Texas

**Number of farms and land in farms by economic sales class, 2008-2012 <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>						
2008	32.3	14.5	3.6	2.1	2.5	55.0	
2009	32.1	14.4	3.5	2.2	2.6	54.8	
2010	32.2	14.4	3.5	2.2	2.6	54.9	
2011	32.3	14.0	3.7	2.2	2.7	54.9	
2012	31.6	14.0	3.5	2.5	3.1	54.7	
	<i>Million acres</i>	<i>Acres</i>					
2008	1.80	2.00	1.40	1.40	3.40	10.00	182
2009	1.70	1.90	1.30	1.50	3.60	10.00	182
2010	1.70	1.90	1.30	1.50	3.60	10.00	182
2011	1.65	1.80	1.35	1.50	3.70	10.00	182
2012	1.65	1.70	1.20	1.55	3.80	9.90	181

<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, 2009-2013**

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>
2009	3,750	3,370	81	2,550
2010	3,650	3,300	81	2,400
2011	3,850	3,600	90	2,500
2012	4,250	4,000	108	2,500
2013	4,800	4,600	118	2,700

**Farm Income**

Net farm income in 2012 was \$2.24 billion. That includes \$175.4 million of government payments. The total agriculture output was \$9.33 billion dollars, up 1.1 percent from 2011. Production expenses were \$7.50 billion in 2012, up 25.4 percent from the previous year.

Preliminary cash receipts from 2012 marketings of Michigan crops, livestock and livestock products totaled \$8.29 billion, up 3.1 percent from 2011. Michigan ranked 18th nationally in total cash receipts.

Crop receipts, \$5.33 billion, were up 6.1 percent from 2011. Livestock cash receipts were up 2.0 percent from 2011 to \$2.96 billion.

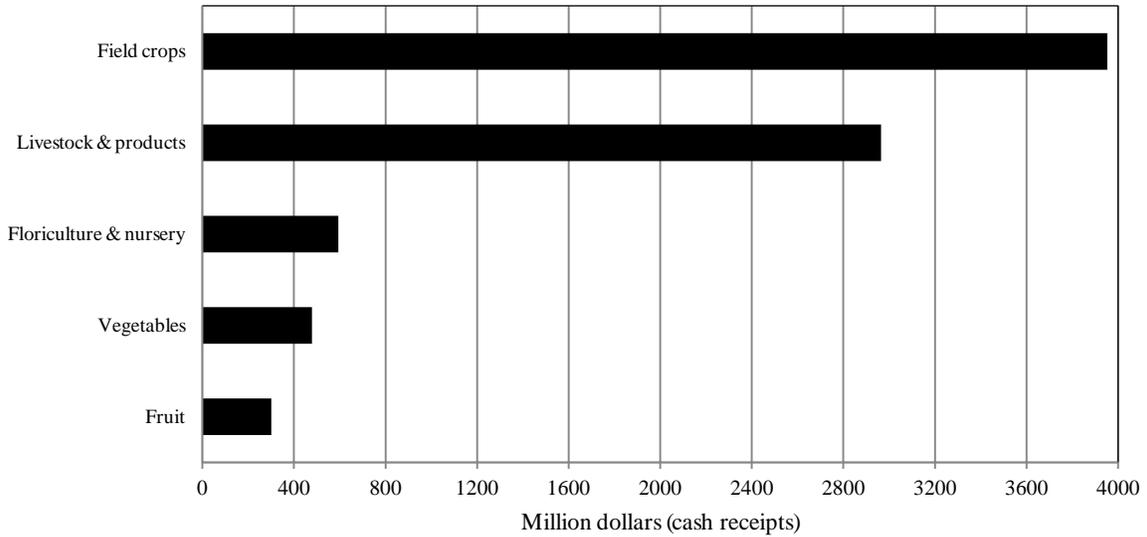
In 2012, the top ten Michigan commodities ranked by cash receipts were corn, milk, soybeans, floriculture and nursery, cattle and calves, sugarbeets, hogs, wheat, eggs and potatoes.

**Government payments, 2008-2012 <sup>1</sup>**

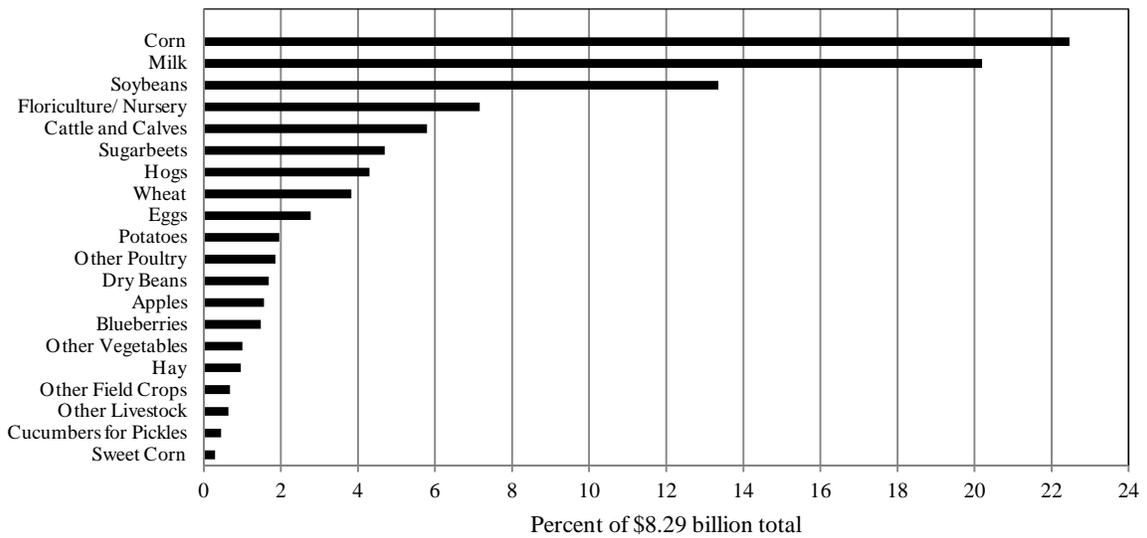
Program	2008	2009	2010	2011	2012
	<i>1,000 dollars</i>				
Conservation programs	49,047	43,590	61,278	58,709	61,475
Direct payments	86,691	79,012	80,974	78,994	78,198
Counter-cyclical payments	2	-24	-2	-2	0
Loan deficiency payments	13	49	-183	54	1
Miscellaneous programs	47	0	-105	-62	-2
Ad Hoc and emergency programs	30,540	16,169	36,416	18,480	12,822
Milk income loss payments	2	40,828	2,496	18	22,896
ACRE	0	0	3,724	376	-5
Total	166,342	179,624	184,598	156,567	175,384

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

### Major Michigan Commodity Groups, 2012



### Top 20 Commodities in Cash Receipts, 2012



**Value added to the economy by the Michigan agricultural sector 2008-2012 <sup>1</sup>**

Item <sup>2</sup>	2008	2009	2010	2011	2012
	<i>Million dollars</i>				
Value of crop production	4,110.1	3,832.2	4,062.9	5,221.6	5,101.9
Food grains	238.9	177.9	211.8	308.8	318.9
Feed crops	1,268.3	1,007.6	1,232.4	1,775.3	1,945.4
Oil crops	704.2	777.8	874.7	903.2	1,107.1
Fruits and tree nuts	371.5	327.9	329.0	391.4	301.1
Vegetables, potatoes, dry beans	577.4	571.1	570.8	669.5	618.8
All other crops	859.0	866.4	953.7	973.4	1,038.3
Home consumption	1.6	1.2	1.3	1.6	2.0
Value of inventory adjustment <sup>3</sup>	89.1	102.3	-110.7	198.4	-229.6
Value of livestock production	2,538.6	1,953.3	2,464.5	3,057.5	2,992.6
Meat animals	639.0	522.2	700.1	852.8	836.5
Dairy products	1,485.7	1,064.0	1,412.0	1,774.3	1,675.1
Poultry and eggs	340.0	260.5	291.1	329.0	384.0
Miscellaneous livestock	64.4	58.3	65.6	67.3	68.4
Home consumption	9.2	10.1	9.3	8.6	8.8
Value of inventory adjustment <sup>3</sup>	0.4	38.2	-13.7	25.6	19.7
Revenues from services and forestry	917.6	910.9	840.1	950.5	1,232.8
Machine hire and custom work	28.2	51.4	39.1	118.0	78.6
Other farm income	268.7	285.3	206.5	210.3	438.6
Gross imputed rental value-farm dwellings	606.7	560.2	580.5	608.3	701.7
Value of agricultural sector production	7,566.3	6,696.4	7,367.4	9,229.6	9,327.4
<b>less:</b> Purchased inputs	3,612.3	3,420.4	3,438.6	3,682.5	4,655.2
Farm origin	1,233.3	1,202.0	1,242.7	1,383.8	1,810.2
Feed purchased	694.0	665.3	693.0	702.0	1,069.6
Livestock and poultry purchased	77.4	51.8	60.2	72.2	75.6
Seed purchased	461.9	484.9	489.6	609.6	665.1
Manufactured inputs	1,294.3	1,169.0	1,137.7	1,269.5	1,495.4
Fertilizers and lime	592.6	522.3	560.9	556.1	683.0
Pesticides	269.9	265.2	222.6	265.2	326.7
Petroleum fuel and oils	353.5	290.1	274.8	347.6	369.7
Electricity	78.3	91.4	79.5	100.6	116.0
Other intermediate expenses	1,084.8	1,049.4	1,058.2	1,029.2	1,349.6
Repair and maintenance of capital items	347.0	373.9	344.8	346.8	423.8
Machine hire and custom work	87.0	98.0	107.9	66.9	89.7
Marketing, storage, and transp. expenses	140.9	149.6	146.5	125.6	172.6
Contract labor	14.7	19.7	32.9	49.1	70.0
Miscellaneous expenses	495.2	408.2	426.0	440.8	593.4
<b>plus:</b> Net government transactions	-93.4	-92.2	-84.7	-122.2	-178.7
<b>plus:</b> Direct Government payments	166.3	179.6	184.6	156.6	175.4
<b>less:</b> Motor vehicle reg. and licensing fees	9.4	11.8	9.2	9.1	12.1
<b>less:</b> Property taxes	250.4	260.1	260.1	269.7	341.9
Gross value added	3,860.5	3,183.8	3,844.1	5,424.9	4,493.5
<b>less:</b> Capital consumption	832.8	873.0	892.0	935.5	997.2
Net value added	3,027.7	2,310.8	2,952.0	4,489.5	3,496.3
<b>less:</b> Payments to stakeholders	1,043.0	1,065.1	958.6	1,030.6	1,259.4
Employee compensation (total hired labor)	675.4	657.1	527.7	625.8	823.2
Net rent received by nonoperator landlords	70.3	96.0	133.0	122.8	154.1
Real estate and nonreal estate interest	280.5	283.2	275.5	265.4	261.9
<b>Net farm income</b>	<b>1,984.8</b>	<b>1,245.7</b>	<b>1,993.4</b>	<b>3,458.9</b>	<b>2,236.9</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 2008-2012 <sup>1</sup>**

Item	2008	2009	2010	2011	2012
	<i>1,000 dollars</i>				
<b>Total cash receipts</b>	6,551,769	5,633,684	6,641,196	8,045,021	8,293,622
<b>Total livestock and products</b>	2,529,030	1,904,995	2,468,857	3,023,404	2,964,063
Meat animals	638,992	522,239	700,141	852,808	836,542
Cattle and calves	384,942	288,581	380,753	433,660	479,987
Hogs	249,776	229,505	319,388	419,148	356,555
Dairy (milk)	1,485,696	1,063,960	1,412,020	1,774,290	1,675,107
Poultry and eggs	339,972	260,460	291,064	329,039	384,052
Eggs	211,524	149,883	162,789	189,442	229,689
Other	128,448	110,577	128,275	139,597	154,363
Miscellaneous livestock	64,370	58,336	65,632	67,267	68,362
Aquaculture			2,835	2,894	2,991
Honey	7,464	6,138	6,877	8,572	8,794
Mink pelts	3,456	1,835	2,949	3,317	4,074
Other	53,450	50,363	52,971	52,484	52,503
<b>Total crops</b>	4,022,739	3,728,689	4,172,339	5,021,617	5,329,559
Field crops	2,572,883	2,333,757	2,742,668	3,554,303	3,952,276
Corn	1,149,888	929,310	1,152,646	1,705,763	1,863,011
Dry beans	140,245	118,364	100,237	193,396	140,008
Hay	111,713	74,428	76,470	67,315	79,466
Soybeans	703,787	777,778	874,692	903,247	1,107,070
Sugarbeets	171,732	201,734	272,509	322,034	389,125
Wheat	236,382	175,445	209,917	306,568	317,532
Other <sup>2</sup>	59,136	56,698	56,197	55,980	56,064
Vegetables	437,208	452,688	470,516	476,105	478,773
Asparagus	18,516	16,553	13,948	17,322	17,274
Beans, snap	15,978	20,540	21,338	23,536	23,428
Cabbage, fresh			10,920	12,144	11,900
Carrots, fresh	12,806	12,652	10,925	7,628	6,972
Celery	14,705	14,898	17,880	12,958	22,380
Corn, sweet	16,991	23,624	23,218	20,539	24,218
Cucumbers, fresh	14,117	18,586	20,498	16,169	14,382
Cucumbers, pickles	41,602	49,010	49,600	45,125	37,195
Onions	10,825	13,474	13,684	14,207	11,924
Peppers, green, fresh	12,000	11,520	12,144	12,636	14,820
Potatoes	137,934	134,986	147,391	162,336	162,216
Pumpkins	15,283	10,318	13,804	16,762	13,230
Squash	12,144	11,739	12,144	25,536	20,249
Tomatoes, fresh	24,570	21,000	21,600	17,600	16,000
Other	89,737	93,788	81,422	71,607	82,585
Fruit	374,843	327,924	329,002	391,357	301,082
Apples	128,033	122,094	119,777	150,286	129,592
Blueberries	124,000	101,850	134,300	118,700	122,700
Grapes	22,359	26,712	15,497	33,957	17,892
Peaches	9,052	12,075	12,731	11,995	2,624
Strawberries	5,846	6,615	3,969	4,408	4,768
Sweet cherries	16,144	13,666	9,765	18,042	6,133
Tart cherries	63,030	37,981	27,260	47,210	12,880
Other	6,379	6,931	5,703	6,759	4,493
Maple products	4,305	5,175	3,690	5,387	3,354
Floriculture and nursery	633,500	609,145	626,463	594,465	594,074

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

<sup>2</sup> Includes Barley, Oats, Mint, Rye, and all other miscellaneous crops.

**Corn production costs and returns, excluding direct Government payments, 2011-2012**

Item	United States		Northern Crescent <sup>1</sup>	
	2011	2012	2011	2012
	<i>Dollars per planted acre</i>			
Gross value of production	837.77	801.37	870.67	874.81
Operating costs				
Seed	84.37	89.88	77.89	82.82
Fertilizer <sup>2</sup>	147.36	158.02	160.46	172.06
Chemicals	26.35	27.47	25.70	26.95
Custom operations	16.77	17.15	20.65	21.15
Fuel, lube, and electricity	32.42	30.60	29.95	28.70
Repairs	24.79	25.49	24.31	25.04
Purchased irrigation water	0.10	0.12	0.00	0.00
Interest on operating capital	0.17	0.23	0.17	0.24
Total, operating costs	332.33	348.96	339.13	356.96
Allocated overhead				
Hired labor	2.92	3.04	3.63	3.78
Opportunity cost of unpaid labor	22.77	23.80	30.30	31.57
Capital recovery of machinery and equipment	89.59	94.00	78.41	82.27
Opportunity cost of land (rental rate)	136.92	140.44	89.13	91.86
Taxes and insurance	8.92	9.31	9.55	9.98
General farm overhead	18.73	19.32	24.59	25.33
Total, allocated overhead	279.85	289.91	235.61	244.79
Total, costs listed	612.18	638.87	574.74	601.75
Value of production less total costs listed	225.59	162.50	295.93	273.06
Value of production less operating costs	505.44	452.41	531.54	517.85
Supporting information				
Yield (bushels per planted acre)	146	118	149	130
Price (dollars per bushel at harvest)	5.73	6.78	5.79	6.70
Enterprise size (planted acres) <sup>3</sup>	280	280	146	146
Production practices <sup>3</sup>				
Irrigated (percent)	11	11	0	0
Dryland (percent)	89	89	100	100

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

<sup>2</sup> Includes soil conditioners and manure.

<sup>3</sup> Developed from survey base year, 2010.

**Soybean production costs and returns, excluding direct Government payments, 2011-2012**

Item	United States		Northern Crescent <sup>1</sup>	
	2011	2012	2011	2012
	<i>Dollars per planted acre</i>			
Gross value of production	525.36	575.57	572.24	609.12
Operating costs				
Seed	55.55	62.68	59.62	65.86
Fertilizer <sup>2</sup>	22.84	25.31	34.47	36.96
Chemicals	16.42	17.49	15.78	16.55
Custom operations	7.18	7.48	9.64	9.82
Fuel, lube, and electricity	20.98	21.03	18.86	18.65
Repairs	13.68	14.35	12.06	12.42
Purchased irrigation water	0.15	0.15	0.00	0.00
Interest on operating capital	0.07	0.10	0.08	0.10
Total, operating costs	136.87	148.60	150.51	160.36
Allocated overhead				
Hired labor	2.07	2.22	1.31	1.36
Opportunity cost of unpaid labor	17.09	18.20	18.66	19.45
Capital recovery of machinery and equipment	81.34	86.69	71.03	74.23
Opportunity cost of land (rental rate)	134.30	139.36	112.04	115.47
Taxes and insurance	9.93	10.30	12.53	12.81
General farm overhead	15.10	15.84	19.87	20.47
Total, allocated overhead	259.83	272.62	235.44	243.79
Total, costs listed	396.70	421.23	385.95	404.15
Value of production less total costs listed	128.66	154.34	186.29	204.96
Value of production less operating costs	388.49	426.96	421.73	448.75
Supporting information				
Yield (bushels per planted acre)	44	42	46	44
Price (dollars per bushel at harvest)	11.94	13.65	12.44	13.82
Enterprise size (planted acres) <sup>3</sup>	303	303	164	164
Production practices <sup>3</sup>				
Irrigated (percent)	9	9	2	2
Dryland (percent)	91	91	98	98

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

<sup>2</sup> Includes soil conditioners and manure.

<sup>3</sup> Developed from survey base year, 2006.

**Milk and milk cow replacement prices received by farmers, 2012-2013**

Month	Milk cows per head <sup>1</sup>	All milk wholesale per cwt
	<i>Dollars</i>	<i>Dollars</i>
2012		
January	1,600	19.80
February		18.50
March		17.90
April	1,600	17.30
May		16.80
June		16.40
July	1,600	17.10
August		18.20
September		19.70
October	1,500	21.60
November		22.40
December		21.50
2013		
January	1,600	20.40
February		19.90
March		19.70
April		19.80
May		20.00
June		20.10
July		19.90
August		
September		
October		
November		
December		

<sup>1</sup> Sold for dairy herd replacement only. Prices published January, April, July, and October.

**Dry edible beans: Percent of sales by month, 2007-2012**

Month	2007-08	2008-09	2009-10	2010-11	2011-12
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	18	25	27	23	13
October	28	38	29	18	58
November	13	6	10	12	9
December	6	3	8	3	2
January	4	4	7	2	2
February	3	4	3	6	1
March	3	2	1	3	1
April	3	1	1	5	3
May	3	1	1	3	2
June	2	2	2	5	4
July	1	1		1	1
August	16	13	11	19	4

**Corn: Percent of sales by month, 2007-2012**

Month	2007-08	2008-09	2009-10	2010-11	2011-12
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
October	14	9	5	21	10
November	16	16	16	11	22
December	9	10	13	9	10
January	11	10	11	14	14
February	7	7	6	8	9
March	6	8	6	8	8
April	8	7	6	8	6
May	5	9	6	5	5
June	7	7	8	5	5
July	7	5	9	4	5
August	4	6	6	4	3
September	6	6	8	3	3

**Hay: Percent of sales by month, 2007-2012**

Month	2007-08	2008-09	2009-10	2010-11	2011-12
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
June	15	14	13	14	10
July	13	16	10	15	9
August	12	13	11	11	10
September	8	11	8	7	9
October	6	10	8	7	7
November	6	5	6	8	7
December	8	5	8	8	10
January	8	6	6	7	8
February	7	6	7	8	9
March	6	5	7	7	8
April	6	5	8	4	8
May	5	4	8	4	5

**Oats: Percent of sales by month, 2007-2012**

Month	2007-08	2008-09	2009-10	2010-11	2011-12
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	17	2	2	26	6
August	40	53	47	52	52
September	10	8	26	4	13
October	4	2	5	2	5
November	2	1	2	2	4
December	4	2	1	3	1
January	5	5	3	3	8
February	1	3	3	1	1
March	2	4	5	4	1
April	4	5	1	1	5
May	1	4	2	1	3
June	10	11	3	1	1

**Soybeans: Percent of sales by month, 2007-2012**

Month	2007-08	2008-09	2009-10	2010-11	2011-12
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	6	6	1	13	1
October	32	34	33	41	34
November	13	9	24	8	14
December	7	7	7	6	8
January	11	11	11	11	12
February	8	5	5	5	10
March	5	7	4	4	9
April	5	10	4	3	5
May	4	4	2	2	3
June	4	4	4	3	2
July	3	2	3	2	1
August	2	1	2	2	1

**Wheat: Percent of sales by month, 2007-2012**

Month	2007-08	2008-09	2009-10	2010-11	2011-12
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	75	47	31	69	52
August	14	26	27	15	23
September	4	5	11	5	6
October	1	1	8	1	2
November	1	1	3	1	1
December	2	2	2	1	2
January	1	3	7	4	4
February	1	2	2	2	3
March		4	2	1	3
April	1	3	2	1	1
May		4	2		1
June		2	3		2

**Crops: Marketing year average prices received by farmers, 2008-2012 <sup>1</sup>**

Marketing year	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry 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>
2008	3.84	5.63	3.40	9.82	36.30	10.10	153.00	156.00
2009	3.53	4.25	2.21	9.54	33.50	10.50	119.00	127.00
2010	5.56	5.72	2.45	11.10	31.60	10.90	99.50	108.00
2011	6.14	6.71	3.58	12.10	45.60	11.60	110.00	121.00
2012	7.10	8.05	4.15	14.00	39.40	11.50	159.00	165.00

<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, 2011-2012 marketing years**

2011-2012 Marketing years	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry 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>
2011								
June							111.00	120.00
July		6.66	3.46				102.00	115.00
August		6.97	3.27				106.00	120.00
September		6.85	3.52	13.00	44.60	9.30	105.00	115.00
October	5.80	6.26	4.16	11.60	45.80	10.10	111.00	120.00
November	5.70	5.94	4.16	11.50	46.80	11.40	112.00	120.00
December	5.64	6.12		11.20	49.50	11.90	112.00	120.00
2012								
January	5.97	6.61	4.11	11.70	49.70	12.30	109.00	120.00
February	6.14	6.78		12.10	53.40	12.70	114.00	125.00
March	6.44	6.62	3.77	12.90	50.10	13.30	114.00	125.00
April	6.24	6.31	4.52	13.70	43.00	13.80	116.00	125.00
May	6.18	6.59	4.46	13.70	43.90		113.00	125.00
June	6.35	6.64		13.90	42.50			
July	7.63			15.50	43.10	11.20		
August	7.96			15.90	40.70	9.60		
September	6.92							
2012								
June							105.00	110.00
July		7.86	4.23				137.00	140.00
August		8.44	4.12				164.00	175.00
September		8.38		13.50	40.70	9.85	165.00	175.00
October	6.74	8.29	4.05	14.00	39.00	10.10	197.00	200.00
November	6.71	8.28		13.80	38.10	11.50	237.00	240.00
December	6.93	7.80	4.14	14.10	39.30	11.70	215.00	220.00
2013								
January	6.81	7.74	4.32	13.50	40.60	12.00	222.00	230.00
February	6.92	7.51		13.60		12.30	227.00	235.00
March	6.98	7.18		14.20	41.40	13.00	241.00	245.00
April	6.58	7.29		13.80	42.30	13.60	245.00	250.00
May	6.62	6.95	4.38	14.50	44.10	13.40	238.00	250.00
June	6.77	6.85		15.10	46.40		206.00	210.00
July	6.65			15.00	44.70			
August								
September								

**Prices paid by farmers, 2009-2013 <sup>1</sup>**

Item	Unit	2009	2010	2011	2012	2013
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Dairy feed, 16% protein <sup>2</sup>	Ton	295	265	400	413	440
Hog concentrate, 38-42% protein <sup>2</sup>	Ton	473	405	549	563	673
Soybean meal, 44% protein <sup>2</sup>	Cwt	20.10	20.40	20.70	21.30	27.80
Gasoline, unleaded, bulk <sup>2</sup>	Gallon	1.985	2.844	3.562	3.804	3.669
Diesel fuel <sup>2</sup>	Gallon	1.688	2.565	3.537	3.657	3.575
Tractor, 110-129 hp <sup>3</sup>	Each	77,700	78,000	80,400	81,400	84,000
Tractor, 200-280 hp, 4-wd <sup>3</sup>	Each	195,000	198,000	216,000	217,000	226,000
Planter, row crop, 8-row <sup>3</sup>	Each	40,200	42,900	43,100	47,800	49,600
Grain drill, press, 23-25 openers <sup>3</sup>	Each	32,400	36,600	38,700	40,500	41,400
Combine, self-prop. w/ grain head, large cap. <sup>3</sup>	Each	253,000	257,000	275,000	295,000	305,000
Ammonium nitrate <sup>4</sup>	Ton	406	416	460	485	509
Muriate of potash 60-62% K <sub>2</sub> O <sup>4</sup>	Ton	848	501	594	641	581
Superphosphate, 44-46% P <sub>2</sub> O <sub>5</sub> <sup>4</sup>	Ton	555	465	536	582	636
Anhydrous ammonia <sup>4</sup>	Ton	787	520	776	812	877
Atrazine, 4#/gallon <sup>3</sup>	Gallon	20.80	18.90	17.30	17.60	17.80
Roundup, 4#/gallon EC <sup>3</sup>	Gallon	42.80	22.80	16.80	17.90	18.20
Harness, Surpass, 6.4-7#/gallon EC <sup>3</sup>	Gallon	75.50	70.30	69.60	70.80	74.50
2,4-D, 3.8#/gallon <sup>3</sup>	Gallon	19.30	18.00	18.00	20.10	20.40
Captan, 50% WP <sup>3</sup>	Pound	6.43	7.18	7.55	7.84	7.92
Ziram, 76% WP <sup>3</sup>	Pound	3.94	4.07	4.38	4.44	4.52
Guthion, 50% WP <sup>3</sup>	Pound	13.50	13.50	13.50	14.50	15.10
Imidan, Prolate, 50% WP <sup>3</sup>	Pound	10.20	10.20	11.20	10.40	10.10

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.

## Farm Labor

### Hired farm workers: Annual average wage rates, 2008-2012 <sup>1</sup>

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>
2008	11.25	10.80	10.63
2009	11.22	10.82	10.57
2010	11.37	11.23	10.62
2011	11.40	11.09	10.78
2012	12.05	11.55	11.30

<sup>1</sup> Lake States region (Michigan, Minnesota, and Wisconsin).

## Agricultural Exports

Michigan ranked eighteenth in agricultural exports for the calendar year 2011. The table below shows the value of agricultural exports by commodity group. The data are calculated annually by commodity based on each State's share of the U.S. agricultural

production. The top five commodity groups accounted for approximately 53 percent of the State's agricultural exports. The total value of agricultural exports produced in Michigan in 2011 was estimated at \$2.78 billion.

**Michigan agricultural exports: Calendar year 2011**<sup>1 2</sup>

Commodity	Value	Percent of total	Rank in U.S.
	<i>Million dollars</i>	<i>Percent</i>	<i>Number</i>
Soybeans	477.7	17.2	12
Corn	358.7	12.9	11
Wheat	247.7	8.9	14
Dairy products	214.5	7.7	8
Fruit (fresh and processed)	180.2	6.5	5
Vegetables (fresh and processed)	177.1	6.4	6
Feeds & fodder	163.8	5.9	9
Sugar	154.6	5.6	6
Pork	118.2	4.3	12
Vegetable oils	100.7	3.6	12
Grain products	88.3	3.2	14
Oilseed meal	82.5	3.0	12
Beef & veal	37.4	1.3	28
Seeds (planting)	35.4	1.3	8
Hides and skins	18.3	0.7	28
Other	322.2	11.6	
<b>Total</b>	<b>2,777.3</b>	<b>100</b>	<b>18</b>

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

<sup>2</sup> Based on location of farm where commodity is produced.

**Michigan agricultural exports: Top 10 destinations, 2011-2012**<sup>1 2</sup>

Country	2011	2012
	<i>Dollars</i>	<i>Dollars</i>
Canada	292,097,279	285,084,450
Mexico	37,263,436	36,501,136
Indonesia	861,137	23,564,435
Japan	21,276,637	22,844,958
Malaysia	46,536	12,508,013
Italy	12,222,197	5,348,933
China	697,804	3,105,294
Hong Kong	2,877,223	2,188,649
United Kingdom	2,784,515	2,187,126
Thailand	438,471	1,052,070
Others	11,477,308	9,872,083
<b>Total</b>	<b>382,042,543</b>	<b>404,257,147</b>

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

<sup>2</sup> Based on location of exporting firm.

# Field Crops

## Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

The 2012 growing season was preceded by an unusually mild winter across Michigan, with above normal mean temperatures, below normal seasonal snowfall totals, and much warmer than normal extreme coldest minimum temperatures. While the relatively mild conditions resulted in relatively less winter/cold damage for overwintering crops, it also allowed a higher survival rate of some insect and disease pathogens that typically succumb to low temperatures during the season.

Perennial and overwintering annual crops emerged from their protective dormant states much earlier than normal in 2012 due to an unprecedented heat wave during the middle of March. At its peak during the third week of March, daily mean temperatures soared to 30-40°F above normal. The heat wave resulted in many new climatologic records across the region, including the warmest March ever for the state with a mean temperature of 44.4°F, which was 13.7°F warmer than normal and 3.2°F warmer than the previous record (1945). Growing degree day accumulations surged during the second and third weeks of March, surpassing the level of the March 1945 record. The heat led to rapid early growth and development of perennial and overwintering crops. By late March, phenological development stages of most crops were at least 4 weeks ahead of normal, leaving them vulnerable to injury from spring freezes. On the 24<sup>th</sup> and 25<sup>th</sup> of March, a cold, dry Canadian air mass passed through. There were more than 15 freeze events (including at least 5 with minimums below 28°F) in late March and early April, which was greater than normal. Crop damage from the freezes was significant, especially to tree fruit.

Weather was relatively normal in late April and May. This, however, was followed by persistent hot, dry weather and drought conditions for much of June, July and early August. The unusually dry conditions led to rapid use of soil moisture reserves and ultimately to water stress in many unirrigated crops. Soils were generally unable to supply sufficient water to meet crop needs due

to the extended dryness (i.e. topsoil moisture levels fell to or below wilting point levels). Along with the drought conditions, there were at least three major heat waves during the middle of the growing season; the third week of June, first week of July, and the third week of July. The second of these (first week in July) was the most severe and included many 100°F+ high temperatures and a number of new record highs.

The impact of the drought was exacerbated by an elevated rate of potential evapotranspiration (PET), the rate of combined plant transpiration and soil evaporation that potentially occurs under full sunshine when water is not limiting. During the first half of the 2012 growing season, rates of PET far exceeded actual evapotranspiration rates and normal PET rates. Accumulated PET rates were more than 2.5" above normal by the last week of July. The high PET rates were caused by several meteorological factors: greater than normal solar radiation levels, higher than normal air temperatures, and lower than normal humidity.

During the second week of August, the passage of two major low pressure systems brought significant rainfall (2.00-5.00") to much of the region. Subsequent rainfall in late August and early September continued to help reduce the impacts of the drought. For September, mean temperatures ranged from near normal across southern sections of the state to slightly below normal levels across the north. Abnormally cool and unsettled weather prevailed across Michigan during much of October and early November. The cool, wet weather slowed fall harvest, other fieldwork, and grain dry down rates. Hard freeze conditions (28°F or lower) ended the growing season in interior sections of Upper and northern Lower Michigan during late September and across most other areas of the state during late October and early November. Fortunately, given the unusually warm summer, most crops were well ahead of normal phenologically and had easily reached maturity prior to the freezing temperatures.

### Field crops: Acres harvested and value of production, 2008-2012

Item	Unit	2008	2009	2010	2011	2012
Acres harvested	1,000 acres	6,454	6,301	6,436	6,513	6,570
Value of production	1,000 dollars	2,977,525	2,822,590	3,815,502	4,418,335	4,814,144

### Grain storage capacity, December 1, 2008-2012

Year	Off farm		On farm capacity Million bushels
	Facilities	Rated capacity	
	Number	Million bushels	
2008	400	406	770
2009	410	425	770
2010	410	443	770
2011	405	464	800
2012	400	468	800

**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	8	2011	1866
Yield per acre	Bushels	68.0	1985	13.5	1933	
Production	1,000 bu	8,400	1918	384	2011	
Dry Edible beans						
Harvested acres	1,000 acres	690	1930	130	2001	1909
Yield per acre	Pounds	2,100	1999	396	1916	
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	153.0	2011	21.5	1917	
Production	1,000 bu	335,070	2011	15,120	1869	
Corn for silage						
Harvested acres	1,000 acres	498	1971	210	2003	1919
Yield per acre	Tons	18.5	2010	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	1909
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	30	2011	1866
Yield per acre	Bushels	70.0	2003	18.5	1921	
Production	1,000 bu	69,388	1946	1,920	2011	
Potatoes						
Harvested acres	1,000 acres	374.0	1895	36.4	1975	1866
Yield per acre	Cwt	360.0	2009,2010	26.0	1887,1916	
Production	1,000 cwt	23,256	1904	3,557	1876	
Soybeans						
Harvested acres	1,000 acres	2,130	2001	1	1930	1924
Yield per acre	Bushels	46.0	2006	8.0	1927	
Production	1,000 bu	91,540	2006	10	1930	
Spearmint						
Harvested acres	1,000 acres	8.7	1954	0.7	1935	1935
Yield per acre	Pounds	70.0	2010,2011,2012	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	29.0	2012	5.5	1916	
Production	1,000 tons	4,437	2012	298	1943	
Wheat, winter						
Harvested acres	1,000 acres	1,515	1953	400	1987	1909
Yield per acre	Bushels	76.0	2012	10.5	1912	
Production	1,000 bu	51,000	2011	7,350	1912	

## Barley

Michigan barley growers planted 11,000 acres in 2012, up 10 percent from 2011. Growers harvested 9,000 acres in 2012, up 12 percent from the previous year. Total production was 432,000 bushels, up 12 percent from 2011. The average yield of bushels per

acre was unchanged. The value of production was \$2.16 million, up from \$1.34 million in 2011.

**Barley: Acres, yield, production, and value, 2008-2012**

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>
2008	12	10	46	460	3.25	1,495
2009	13	11	51	561	2.80	1,571
2010	11	10	54	540	2.45	1,323
2011	10	8	48	384	3.50	1,344
2012	11	9	48	432	5.00	2,160

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

## Corn

There were 2.65 million acres planted to corn in 2012, up 150,000 acres from 2011. Grain corn production was 317.9 million bushels, down 5 percent from 2011; 2.39 million acres were harvested for grain. The yield of 133 bushels per acre was down 20 bushels per acre from the 2011 crop. Farmers harvested 240,000 acres of corn for silage; the average yield was 15.0 tons per acre.

Planting of corn in Michigan began about April 7, one week ahead of normal. Planting progress remained ahead of normal throughout the spring and was virtually complete by the end of May. By August 1 yield prospects were well below average in Michigan. Precipitation was below normal in July, and temperatures were above normal. The crop was about 10 days ahead of the average stage of development as of September 1. There were 2.5 to 5.0 inches of precipitation across the corn-growing region during August. Nevertheless, less than one-third of the acreage was rated

good or excellent at the end of August. The harvest of the Michigan corn crop began in mid-September and was 15 percent done at the end of the month. Almost 85 percent of acreage was mature by October 1; the average is 63 percent. Grain moisture was below normal, so little field dry down was needed before combining. The harvest of Michigan corn for grain was about two-thirds complete by November 1, about ten days ahead of normal. The harvest was completed by December 1; yields were poor in the southeast and south central areas but were good in the central and east central regions.

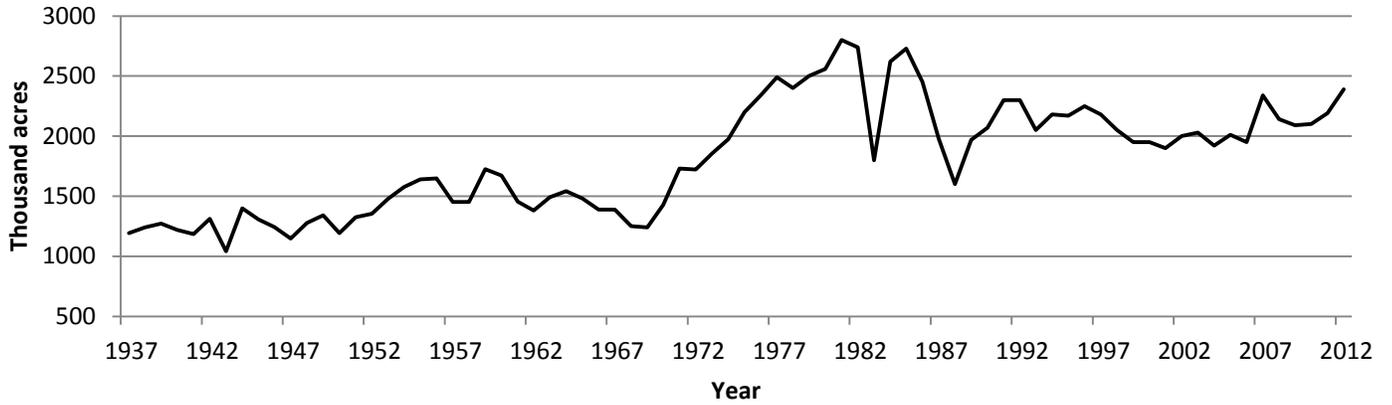
The 2012 corn crop was valued at \$2.26 billion, up 10 percent from 2011. Corn continued to be Michigan's number one crop in value of production. The top three counties in corn production in 2012 were Saginaw, Sanilac, and Gratiot.

**Corn: Acres, yield, production, and value, 2008-2012**

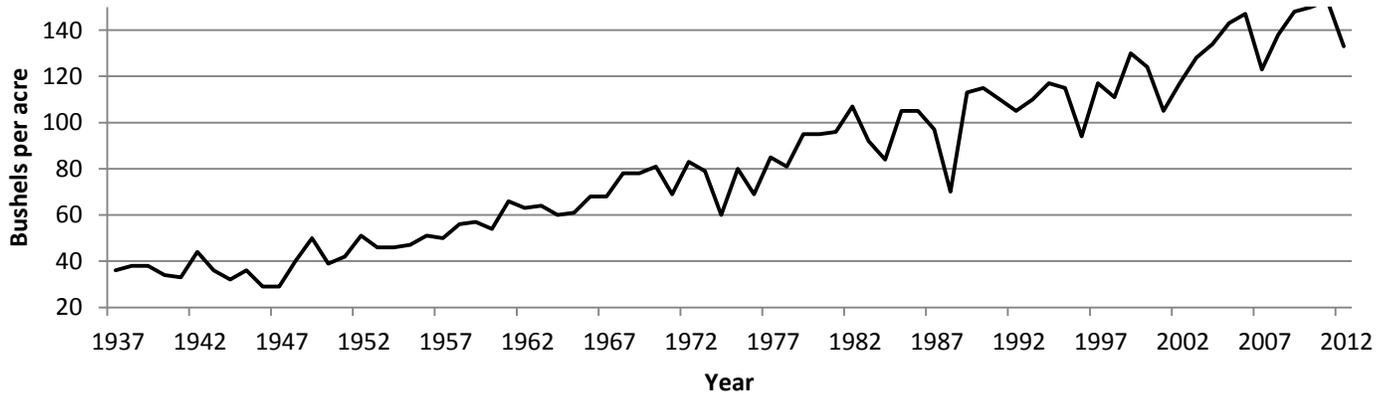
Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2008	2,400					
2009	2,350					
2010	2,400					
2011	2,500					
2012	2,650					
Grain						
2008		2,140	138	295,320	3.84	1,134,029
2009		2,090	148	309,320	3.53	1,091,900
2010		2,100	150	315,000	5.56	1,751,400
2011		2,190	153	335,070	6.14	2,057,330
2012		2,390	133	317,870	7.10	2,256,877
Silage						
2008		250	16.5	4,125		
2009		220	15.5	3,410		
2010		290	18.5	5,365		
2011		300	18.0	5,400		
2012		240	15.0	3,600		

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

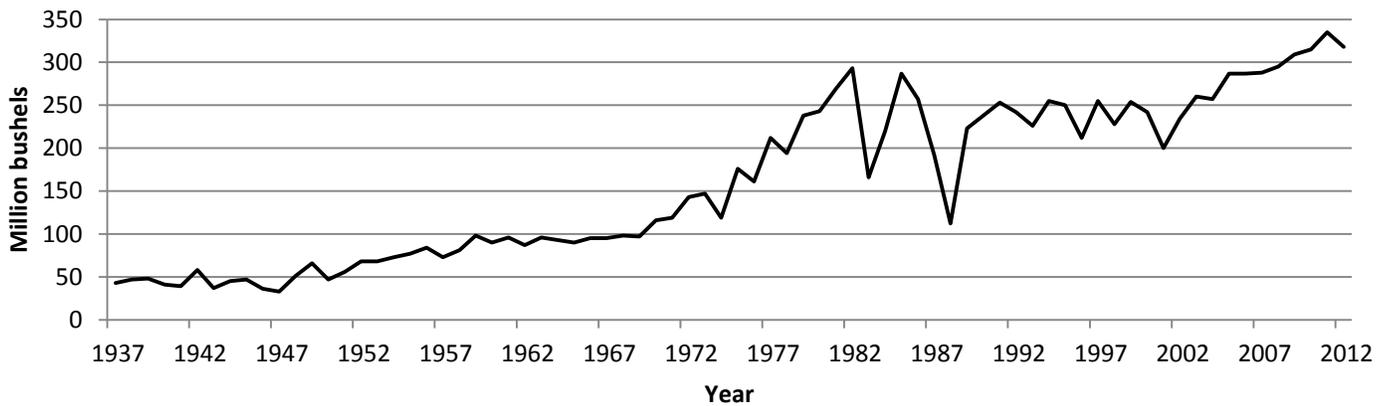
### Corn for grain acres, 1937-2012



### Corn yield, 1937-2012



### Corn production, 1937-2012



**Corn for grain: Stocks by quarter, 2008-2012**

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm						
	<i>1,000 bushels</i>							
2008	160,000	62,500	100,000	44,000	60,000	38,100	21,000	16,800
2009	195,000	50,550	100,000	55,200	55,000	38,300	9,500	16,713
2010	175,000	74,091	79,000	62,089	41,000	41,550	11,000	14,400
2011	200,000	70,450	96,000	56,300	46,000	42,300	13,000	11,700
2012	155,000	80,213	78,000	63,728	34,000	39,171		

**Corn: Percentage of acreage planted, 2008-2012**

Year	Month and day						
	April		May			June	
	20	30	10	20	30	10	
2008	1	24	66	87	97	100	
2009	2	4	18	56	89	99	
2010	13	47	76	83	93	100	
2011	0	4	17	52	69	92	
2012	10	30	56	87	98	100	
5-year-average	5	21	47	73	89	98	

**Corn: Percentage of acreage silked, 2008-2012**

Year	Month and day					
	July			August		
	1	10	20	30	10	20
2008	0	1	24	73	95	100
2009	0	1	8	37	74	94
2010	10	28	70	91	98	100
2011	0	1	27	68	93	98
2012	2	18	65	90	99	100
5-year-average	2	10	39	72	92	98

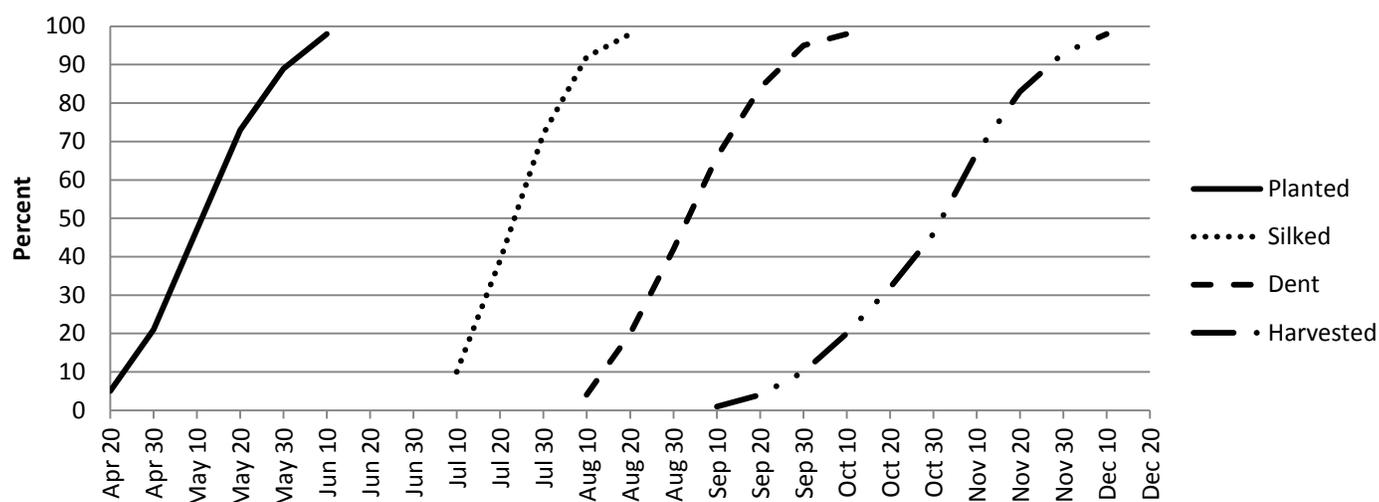
**Corn: Percentage of acreage dent stage, 2008-2012**

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
2008	0	13	43	72	87	97	100
2009	0	1	13	32	64	84	93
2010	13	46	76	91	99	100	100
2011	0	11	26	59	81	93	98
2012	9	28	52	77	91	99	100
5-year-average	4	20	42	66	84	95	98

**Corn: Percentage of acreage harvested for grain, 2008-2012**

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
2008	0	0	4	13	26	45	74	86	95	100
2009	0	0	0	3	4	9	21	53	77	88
2010	3	14	25	45	66	82	96	98	99	100
2011	0	0	3	9	17	32	63	83	94	100
2012	2	8	17	29	46	62	82	94	99	100
5-year-average	1	4	10	20	32	46	67	83	93	98

## Corn progress Five-year average, 2008-2012



## Dry Edible Beans

Michigan dry bean planting was underway the last week of May. By June 10th, 57 percent of dry beans were planted, in contrast to 47 percent in 2011 and to the five-year average of 40 percent. Planting was completed by June 25. Dry beans generally did not suffer from the drought stress that affected corn and soybeans, because they are grown primarily in the central and east central districts. These areas received more consistent precipitation than

other regions. The harvest began the second week of September and was nearly complete by October 21.

The 2012 total dry bean production was 3.53 million hundredweight (cwt), 11.0 percent of U.S. production. Michigan ranked second in dry bean production for 2012. The value of production was 138.9 million dollars, down 9 percent from 2011.

**Dry edible beans: Acres, yield, production, and value, 2008-2012**

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>
2008	200	195	1,850	3,607	36.30	130,934
2009	200	195	1,800	3,510	33.50	117,585
2010	236	235	1,800	4,230	31.60	133,668
2011	170	168	2,000	3,360	45.60	153,216
2012	200	197	1,790	3,526	39.40	138,924

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

**Dry edible beans: Acres, yield, and production, by class, 2008-2012**

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
<b>Black</b>				
2008	91,000	89,000	1,900	1,691
2009	102,000	99,100	1,790	1,770
2010	128,000	127,000	1,810	2,304
2011	80,000	79,000	2,030	1,602
2012	90,000	89,000	1,800	1,602
<b>Cranberry</b>				
2008	7,200	7,000	1,540	108
2009	3,900	3,800	1,450	55
2010	3,800	3,800	1,500	57
2011	3,500	3,500	1,460	51
2012	3,400	3,400	1,500	51
<b>Navy</b>				
2008	62,000	60,500	1,920	1,162
2009	52,000	51,100	1,910	976
2010	70,000	70,000	1,840	1,290
2011	50,000	49,500	2,100	1,040
2012	70,000	69,000	1,850	1,277
<b>Pinto</b>				
2008	1,800	1,700	1,880	32
2009	4,000	3,900	1,620	63
2010	4,100	4,100	1,900	78
2011	3,100	3,000	1,730	52
2012	2,000	1,900	1,600	30
<b>Red kidney, dark</b>				
2008	2,500	2,400	1,210	29
2009	2,000	1,900	1,160	22
2010	2,900	2,900	1,100	32
2011	2,800	2,700	1,000	27
2012	2,800	2,700	1,300	35
<b>Red kidney, light</b>				
2008	9,500	9,300	1,260	117
2009	9,100	9,000	1,540	139
2010	9,000	9,000	1,700	153
2011	7,000	7,000	1,960	137
2012	6,700	6,600	2,000	132
<b>Small, red</b>				
2008	22,400	21,800	1,950	425
2009	21,100	20,700	1,950	404
2010	9,300	9,300	1,860	173
2011	18,000	18,000	1,950	351
2012	19,500	19,300	1,700	328
<b>Other</b>				
2008	3,600	3,300	1,300	43
2009	5,900	5,500	1,470	81
2010	8,900	8,900	1,610	143
2011	5,600	5,300	1,890	100
2012	5,600	5,100	1,400	71

## Hay and Haylage

Michigan hay production was estimated at 1.85 million tons, down 33 percent from 2011. Alfalfa and alfalfa mixtures accounted for 75 percent of all dry hay produced. All hay harvested acres were estimated at 970,000 acres, down 3 percent from 2011. The average all hay yield was 1.91 tons per acre, down from 2.75 the previous year. The first cutting began in mid-May, well ahead of normal, and was completed by the end of June. The second cutting began in mid-

June and went until the end of August. The third cutting ran from mid-July to mid-October. As a result of the drought induced low production, the average hay price rose 44 percent from 2011. The value of the hay crop was \$297 million. There were 1.46 million tons of haylage produced on 230,000 acres. Production was down 22 percent from the previous year.

### Hay, haylage, and greenchop: Acres, yield, production, and value, 2008-2012

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						
2008		1,020	2.58	2,633	153.00	401,948
2009		990	2.51	2,482	119.00	301,120
2010		1,000	2.73	2,730	99.50	277,830
2011		1,000	2.75	2,750	110.00	314,900
2012		970	1.91	1,851	159.00	297,045
Alfalfa hay						
2008		770	2.90	2,233	156.00	348,348
2009		700	2.80	1,960	127.00	248,920
2010		700	3.00	2,100	108.00	226,800
2011		700	3.20	2,240	121.00	271,040
2012		660	2.10	1,386	165.00	228,690
Alfalfa seedings						
2008	115					
2009	90					
2010	110					
2011	90					
2012	95					
Other hay						
2008		250	1.60	400	134.00	53,600
2009		290	1.80	522	100.00	52,200
2010		300	2.10	630	81.00	51,030
2011		300	1.70	510	86.00	43,860
2012		310	1.50	465	147.00	68,355
All haylage and greenchop						
2008		285	6.24	1,778		
2009		315	5.08	1,601		
2010		330	7.29	2,405		
2011		270	6.90	1,863		
2012		230	6.36	1,462		
Alfalfa haylage and greenchop						
2008		270	6.40	1,728		
2009		290	5.20	1,508		
2010		310	7.50	2,325		
2011		250	7.10	1,775		
2012		210	6.60	1,386		

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

### Hay: Stocks on farms, 2009-2013

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2009	450	1,451
2010	330	2,000
2011	420	1,500
2012	360	850
2013	140	( <sup>1</sup> )

<sup>1</sup> Published in January 2014.

## Maple Syrup

Michigan maple syrup production was estimated at 148,000 gallons for the 2013 season. The 2013 maple syrup season was longer than usual. Overall, conditions were nearly perfect for sap flow with cold temperatures prevailing through April. Production was up significantly over last year and set a record high for Michigan. The season was the longest on record at 32 days, compared to 18 days in 2012 and 29 days in 2011. Michigan ranked

sixth in maple syrup production in 2013. Michigan produced 5 percent of the total U.S. production. Total Michigan taps were 490,000, and the syrup yield was 0.302 gallons per tap. In 2012, Michigan producers sold 60 percent of their syrup retail, 24 percent wholesale, and 16 percent bulk. The average price per gallon for 2012 was \$51.60, up \$7.80 from 2011. The value of production for 2012 was \$3.35 million, decreasing from \$5.39 million in 2011.

**Maple syrup: Taps, yield, production, price, and value, 2009-2013**

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>
2009	450	0.256	115	45.00	5,175
2010	490	0.167	82	45.00	3,690
2011	495	0.248	123	43.80	5,387
2012	430	0.151	65	51.60	3,354
2013	490	0.302	148	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Published in June 2014.

## Mint

**Mint: Acres, yield, production, and value, 2008-2012**

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					
2008	0.8	45	36	28.00	1,008
2009	0.6	60	36	18.00	648
2010	0.7	61	43	22.00	946
2011	0.8	58	46	23.00	1,058
2012	0.8	60	48	27.00	1,296
Spearmint					
2008	1.5	60	90	15.00	1,350
2009	1.6	65	104	13.00	1,352
2010	1.6	70	112	17.00	1,904
2011	1.8	70	126	18.00	2,268
2012	1.7	70	119	19.00	2,261

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

## Oats

Michigan growers planted 50,000 acres of oats in 2012, compared with 40,000 acres the previous year. There were 35,000 acres harvested; the yield was 60 bushels per acre. The 2012 oat production was 2.102 million bushels, up 9 percent from the previous year. The value of oats was \$8.71 million, up 27 percent from 2011.

Oat planting began in March and was half done by April 10. The crop was all emerged by the end of May. Oat harvest began the first week of July and was virtually complete by August 20. Presque Isle, Isabella, Delta, Alpena, and Huron were the top five counties, in order, in oat production in 2012.

**Oats: Acres, yield, production, and value, 2008-2012**

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>
2008	75	60	66	3,960	3.40	13,464
2009	70	55	63	3,465	2.21	7,658
2010	75	60	68	4,080	2.45	9,996
2011	40	30	64	1,920	3.58	6,874
2012	50	35	60	2,100	4.15	8,715

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

## Potatoes

Michigan's 2012 potato production was 15.9 million hundredweight, up 5 percent from 2011. There were 47,500 planted acres, up 6 percent from the previous year. The average yield was 355 cwt. per acre, up 3 percent from 2011. The value of 2012 production was \$183.1 million dollars, up 4 percent from 2011.

Potato stocks by type as a percent of total stocks as of December 1, 2012, were 86 percent round whites, 13 percent russets, and 1 percent reds. As of December 1, 2011, there were 88 percent round whites, 11 percent russets, and 1 percent reds.

### Fall potatoes: Acres, yield, production, and value, 2008-2012

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>
2008	43.0	42.5	350	14,875	10.10	150,238
2009	45.0	43.5	360	15,660	10.50	164,430
2010	44.0	43.5	360	15,660	10.90	170,694
2011	45.0	44.0	345	15,180	11.60	176,088
2012	47.5	46.0	355	15,925	11.50	183,138

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

### Fall potatoes: Stocks by type as percent of total stocks, December 1, 2008-2012

Type	2008	2009	2010	2011	2012
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	83	89	90	88	86
Russet	15	10	9	11	13
Red	1	1	1	1	1
Yellow	1	0	0	0	0

### Fall potatoes: Production and disposition, 2008-2012

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>
2008	14,875	1,089	210	1,265	13,400
2009	15,660	1,060	215	1,675	13,770
2010	15,660	1,089	210	1,180	14,270
2011	15,180	1,168	260	1,420	13,500
2012	15,925	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Published in September 2013.

### Fall potatoes: Stocks, 2008-2012

Crop year	December 1	January 1	February 1	March 1	April 1	May 1
	<i>1,000 cwt</i>					
2008	8,300	6,600	4,800	3,300	1,800	700
2009	9,000	7,100	5,300	3,500	1,700	
2010	9,300	7,600	5,900	4,100	2,300	<sup>1</sup> 900
2011	8,600		4,700		1,200	
2012	9,700	( <sup>2</sup> )	5,700	( <sup>2</sup> )		( <sup>2</sup> )

<sup>1</sup> Withheld to avoid disclosure of individual operations.

<sup>2</sup> Estimate discontinued for January, March, and May.

## Soybeans

Michigan soybean production totaled 85.6 million bushels in 2012, up marginally from 2011. The yield was 43.0 bushels per acre in 2012, down 1.0 bushel per acre from the previous year. Planted acres increased by 50,000 acres from last year's total to 2.00 million acres. Harvested acres increased accordingly to 1.99 million. The marketing year average price was \$14.00 per bushel up \$1.90 from 2011. Soybean planting began about a week ahead of schedule and

was completed early. Development remained ahead of normal throughout the growing season. Hot and dry weather in the spring and early summer produced drought conditions in some growing areas. Rain in August increased yield prospects. Harvest began in mid-September and was completed by the middle of November. Sanilac, Saginaw, and Gratiot were the three top counties in soybean production.

### Soybeans: Acres, yield, production, and value, 2008-2012

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>
2008	1,900	1,890	37.0	69,930	9.82	686,713
2009	2,000	1,990	40.0	79,600	9.54	759,384
2010	2,050	2,040	43.5	88,740	11.10	985,014
2011	1,950	1,940	44.0	85,360	12.10	1,032,856
2012	2,000	1,990	43.0	85,570	14.00	1,197,980

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

### Soybeans: Stocks by quarter, 2008-2012

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm						
	<i>1,000 bushels</i>							
2008	28,000	24,200	15,500	14,100	5,100	8,400	1,700	2,640
2009	27,000	25,400	13,000	13,600	3,800	7,170	1,500	3,092
2010	22,000	32,051	11,000	22,651	5,200	11,650	1,400	4,200
2011	31,000	34,300	16,500	25,000	5,100	16,000	900	3,000
2012	25,000	28,600	11,000	13,494	6,200	5,876		

### Soybeans: Percentage of acreage planted, 2008-2012

Year	Month and day							
	April		May			June		
	30	10	20	30	10	20	30	
2008	4	29	59	87	96	100	100	
2009	0	5	27	59	86	97	99	
2010	14	35	44	73	89	96	100	
2011	1	6	21	34	73	96	99	
2012	10	25	62	87	99	100	100	
5-year-average	6	20	43	68	89	98	100	

### Soybeans: Percentage of acreage setting pods, 2008-2012

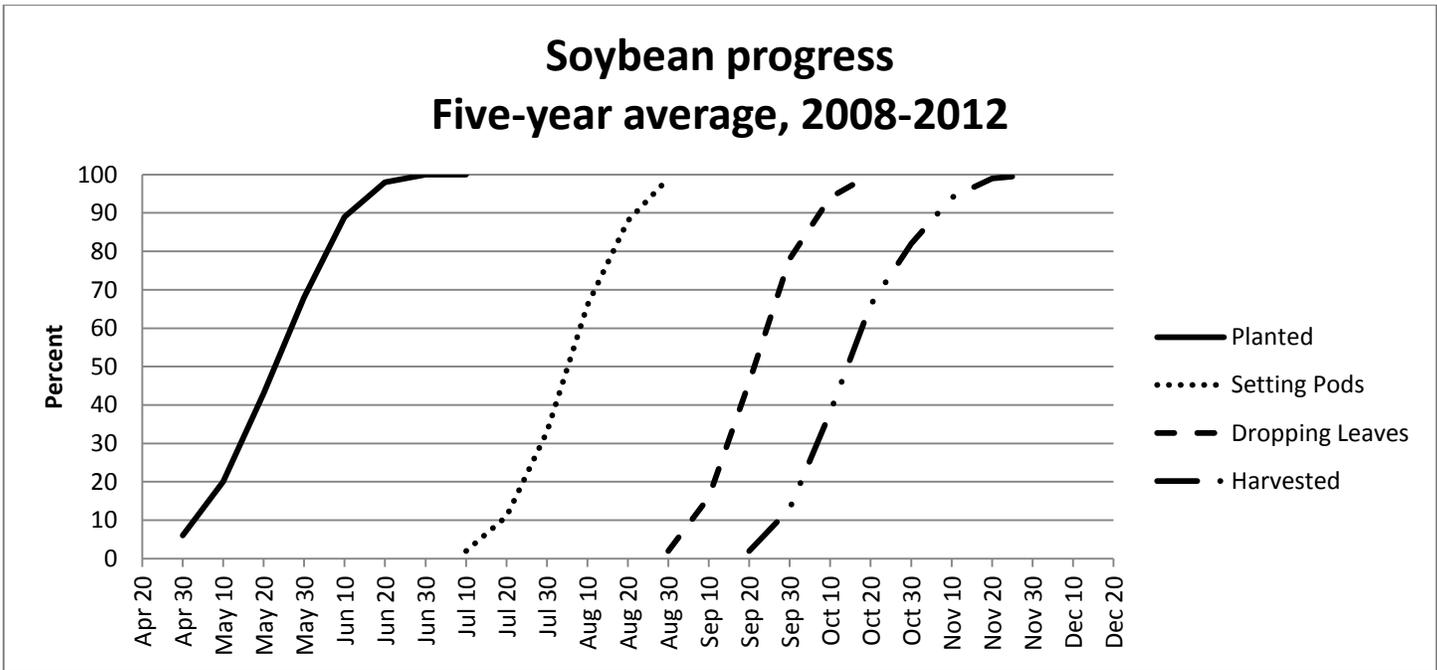
Year	Month and day					
	July			August		
	10	20	30	10	20	30
2008	0	6	42	77	95	100
2009	0	3	13	36	70	95
2010	9	22	46	76	94	100
2011	0	9	18	56	88	98
2012	3	20	47	87	95	100
5-year-average	2	11	33	66	88	99

**Soybeans: Percentage of acreage shedding leaves, 2008-2012**

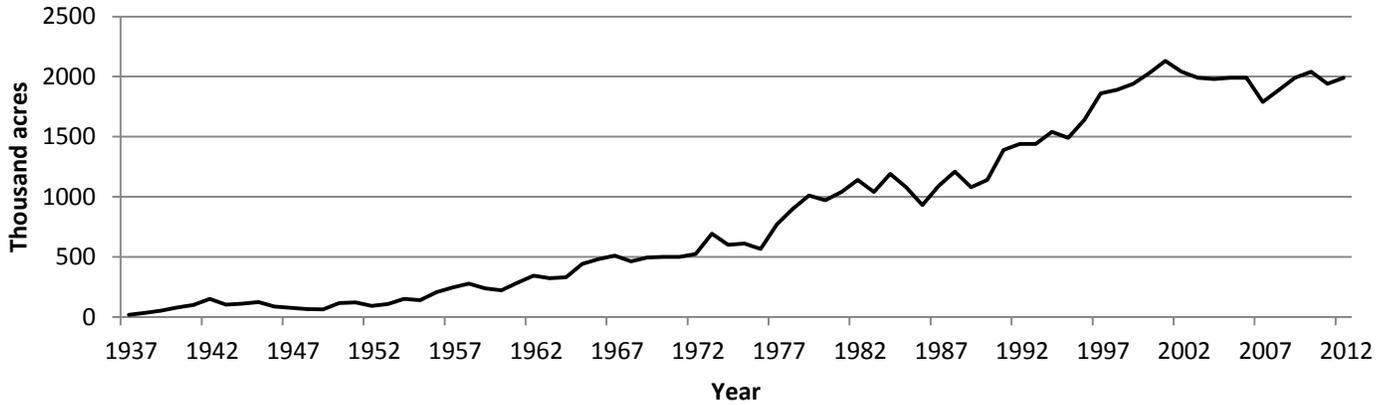
Year	Month and day						
	August		September			October	
	30	10	20	30	10	20	
2008	2	18	54	84	96	100	
2009	0	2	23	64	91	99	
2010	3	31	69	92	97	100	
2011	0	5	28	60	89	99	
2012	4	24	58	91	99	100	
5-year-average	2	16	46	78	94	100	

**Soybeans: Percentage of acreage harvested, 2008-2012**

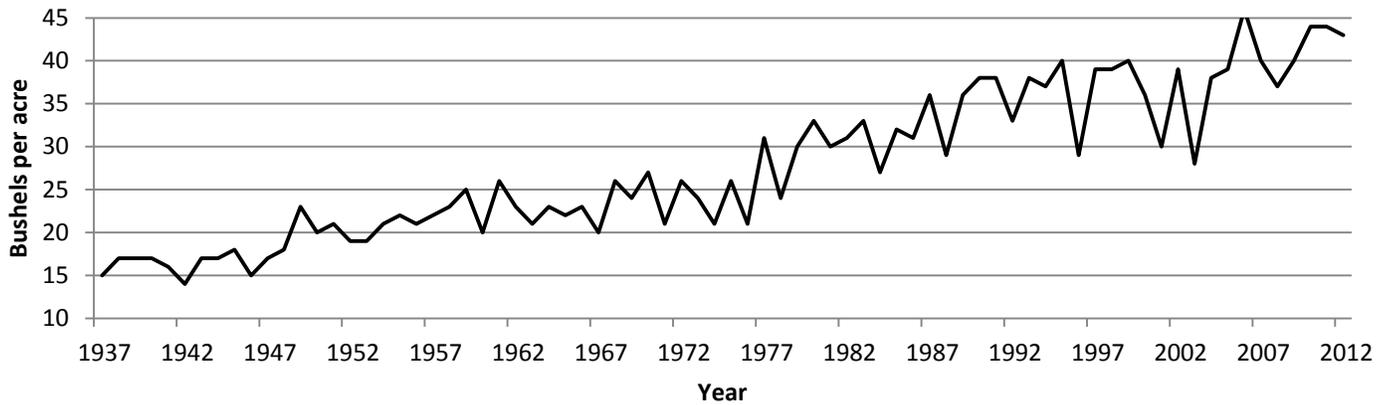
Year	Month and day							
	September		October			November		
	20	30	10	20	30	10	20	30
2008	2	12	36	76	91	97	100	100
2009	1	2	6	35	57	83	96	99
2010	7	27	66	87	96	100	100	100
2011	0	1	27	58	77	93	98	100
2012	4	24	55	76	89	97	100	100
5-year-average	2	13	38	66	82	94	99	100



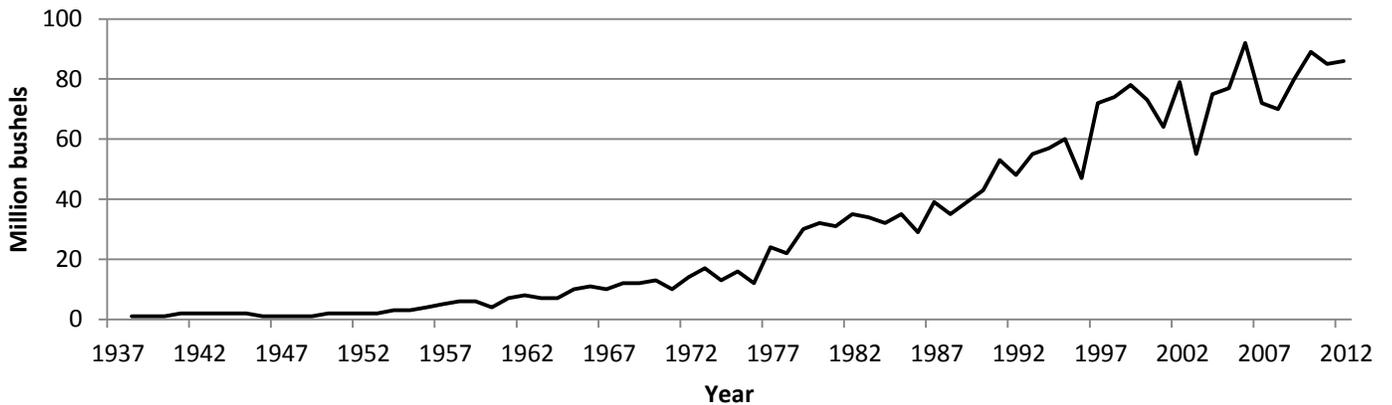
### Soybean harvested acres, 1937-2012



### Soybean yield, 1937-2012



### Soybean production, 1937-2012



## Sugarbeets

There were 154,000 acres planted to sugarbeets in 2012, up 1,000 acres from the previous year. The yield was 29.0 tons per acre, up 5.0 tons from the previous year. Sugarbeet production in 2012 totaled 4.43 million tons, up 21 percent from 2012. Michigan ranked fourth in sugarbeet production, accounting of 12.7 of the U.S. output.

Sugarbeet planting began early in March and was completed by mid-April 11, far ahead of normal. Harvest began early the last week of August. It went into late November, however, as the record high yield prolonged the harvest.

**Sugarbeets: Acres, yield, production, and value, 2008-2012**

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>
2008	137	136	28.7	3,903	44.00	171,732
2009	138	136	24.4	3,318	60.80	201,734
2010	147	147	26.0	3,822	71.30	272,509
2011	153	153	24.0	3,672	87.70	322,034
2012	154	153	29.0	4,437	( <sup>2</sup> )	( <sup>2</sup> )

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

<sup>2</sup> Published in February 2014.

## Wheat

Michigan's winter wheat crop was 41.0 million bushels in 2012. Planted acres decreased to 570,000 acres from 700,000 the previous year. Harvested acreage was down 21 percent from 2011 to 540,000 acres. The average yield, 76 bushels per acre, was up one bushel from 2011 year and was a record high. The value of the crop was \$330.4 million. Huron, Sanilac, and Tuscola were the top three counties in wheat production.

Wheat planting began in mid-September and was completed by November 10, 2011. All wheat had emerged by the end of November. There was little snow cover during the winter, but temperatures were well above normal. A warm spring pushed development ahead of normal. About 75 percent of the acres were headed by May 25. The harvest began the last week of June, a week before normal and was completed by mid-July.

**Wheat: Acres, yield, production, and value, 2008-2012**

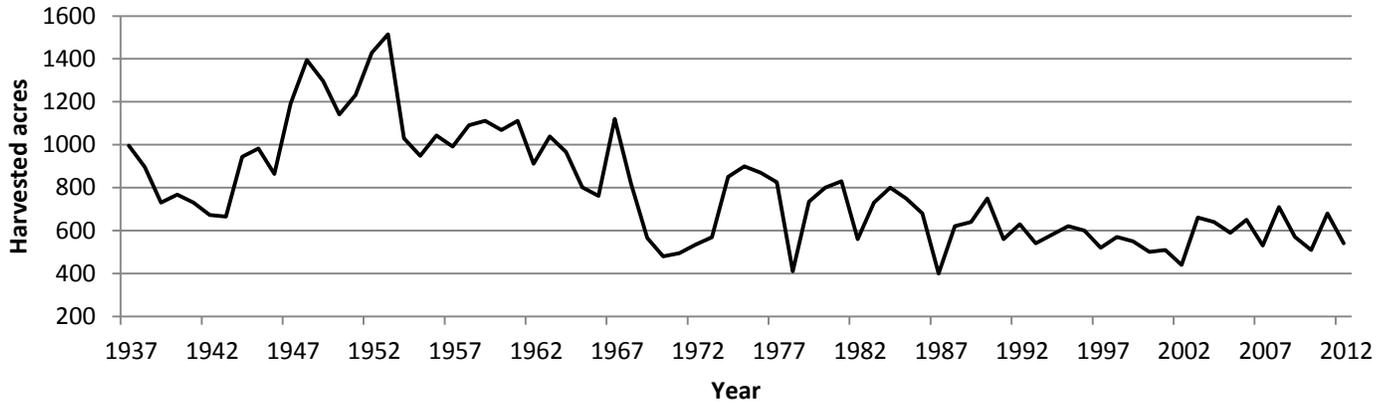
Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2008	730	710	69	48,990	5.63	275,814
2009	630	570	69	39,330	4.25	167,153
2010	530	510	70	35,700	5.72	204,204
2011	700	680	75	51,000	6.71	342,210
2012	570	540	76	41,040	8.05	330,372

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

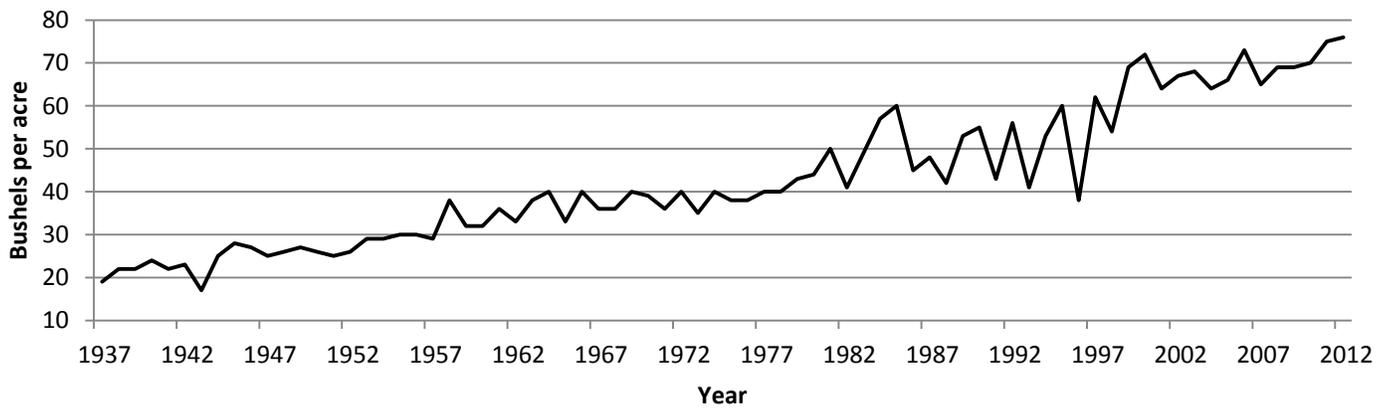
**Wheat: Stocks by quarter, 2008-2012**

Crop year	September 1		December 1		March 1		June 1	
	On farm	Off farm						
	<i>1,000 bushels</i>							
2008	6,200	30,350	2,600	26,800	1,900	21,600	850	16,700
2009	5,800	34,800	3,200	30,100	1,500	24,440	800	19,420
2010	3,100	39,970	1,300	35,767	800	29,870	700	20,480
2011	5,500	47,850	3,200	41,200	2,500	33,900	400	24,450
2012	2,600	36,200	1,700	31,259	1,000	32,826	600	22,296

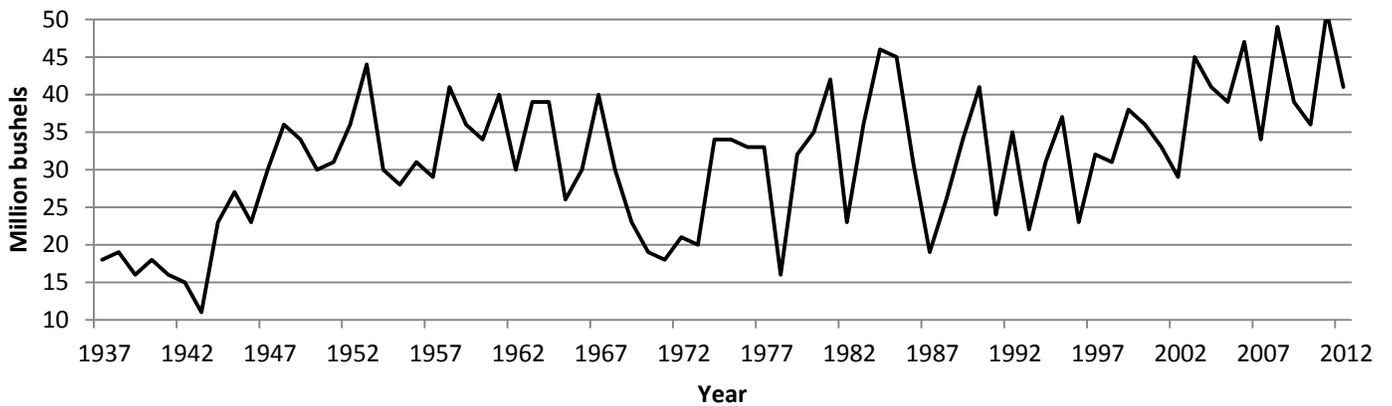
### Wheat harvested acres, 1937-2012



### Wheat yield, 1937-2012



### Wheat production, 1937-2012



**Commercial fertilizer consumption: 2007-2011 <sup>1</sup>**

Item	Year ending June 30				
	2007	2008	2009	2010	2011
	<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	268,566	241,823	193,784	197,487	220,893
N in multi-nutrients	53,231	44,373	42,960	47,575	45,116
Total P <sub>2</sub> O <sub>5</sub>	81,110	74,767	52,628	61,478	55,144
P <sub>2</sub> O <sub>5</sub> in multi-nutrients	80,132	74,219	51,403	61,251	55,012
Total K <sub>2</sub> O	184,571	173,104	112,820	123,136	119,301
K <sub>2</sub> O in multi-nutrients	28,060	24,902	26,037	41,448	31,193
Total plant nutrients	534,247	489,694	359,232	382,101	395,337
Average analysis	41.1	40.8	41.1	40.5	37.8
Total nutrients in multi-nutrients	161,423	143,494	120,400	150,274	131,321
<b>Selected single-nutrient materials</b>					
Ammonium thiosulfate	4,537	4,481	2,421	4,003	3,780
Anhydrous ammonia	45,245	38,983	28,078	32,054	29,847
Nitrogen solutions	367,967	302,401	250,297	277,535	292,265
Urea	118,448	137,423	93,397	75,089	93,879
Ammonium sulfate	44,904	35,860	25,863	31,007	46,145
Concentrated superphosphate	1,866	945	1,323	476	260
Potassium chloride	250,800	235,815	136,370	127,049	137,516
<b>Multiple-nutrient fertilizers</b>					
N-P-K	205,901	198,596	133,333	166,552	139,609
N-P	147,526	131,150	90,873	102,126	105,275
N-K	59,737	60,093	56,138	74,207	93,538
P-K	1,934	592	3,291	3,300	7,575
<b>Leading multiple-nutrient grades</b>					
10-34-0	52,204	44,409	22,181	30,699	31,057
11-52-0	35,713	42,688	21,927	22,647	20,409
18-46-0	39,568	25,550	15,401	13,940	12,895
0-5-10	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	10,078
12-40-0	( <sup>2</sup> )	( <sup>2</sup> )	3,844	4,607	9,786
<b>Fertilizer consumption by classes</b>					
Dry bulk single-nutrient	442,432	429,052	288,748	269,277	341,633
Dry bagged single-nutrient	21,017	20,665	14,421	11,375	20,890
Fluid single-nutrient	422,173	358,642	287,842	317,128	338,503
Dry bulk multiple-nutrient	156,861	134,348	139,855	185,986	152,928
Dry bagged multiple-nutrient	160,428	155,401	85,689	67,968	101,443
Fluid multiple-nutrient	97,809	100,681	58,091	92,231	91,626
Organics, secondary and micronutrients	134,015	150,999	244,014	76,304	161,347
<b>Total</b>	<b>1,434,734</b>	<b>1,349,788</b>	<b>1,118,661</b>	<b>1,020,269</b>	<b>1,208,370</b>

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

<sup>2</sup> Grade not published.

## Fruit

Michigan fruit crops were devastated by an unusually warm March followed by a series of frosts in April. This caused abnormally low fruit production, according to Jay Johnson, Director, USDA, NASS, Michigan Field Office. Michigan apple production was 115 million pounds, down from 980 million pounds in 2011. The preliminary farm level value of production was \$40.5 million. Michigan tart cherry production was 11.6 million pounds, compared with 157.5 million pounds in 2011. The average yield was 425 pounds per acre. The preliminary farm level value was \$12.9 million. Sweet cherry production was 4,250 tons, down from 18,600 tons produced in 2011. The average yield was 0.65 tons per acre. The preliminary farm level value was \$6.1 million.

Cultivated blueberry production in Michigan was 87 million pounds, approximately 18 percent of the U.S. total. Michigan

growers harvested 19,700 acres in 2012. The farm level value was \$122.7 million. Strawberry production in Michigan was 3.3 million pounds on 650 harvested acres. The farm level value was \$4.8 million.

Michigan grape production was 38,200 tons. The farm level value was \$17.9 million. There were 21,000 tons of Concord and 10,800 tons of Niagara grapes processed. Michigan peach production was 4.0 million pounds, down from 33.3 million pounds in 2011. Bearing acres were 3,600, and the farm level value was \$2.6 million. Pear production in Michigan was 40 tons on 700 acres. The farm level value was \$25,000. Michigan plum production was 65 tons on 500 acres. The farm level value was \$38,000.

### Fruit: Record highs and lows

Crop and Unit	Record high		Record low		Year estimates started
	Quantity	Year	Quantity	Year	
Apples.....Million pounds	1,220	1995	53	1945	1889
Blueberries.....Million pounds	110	2008	12	1977	1992
Cherries, sweet.....Tons	37,500	1978	500	1945	1925
Cherries, tart.....Million pounds	380	1964	12	2012	1925
Grapes.....Tons	102,700	2005	4,200	1889	1889
Peaches.....Million pounds	255	1945,1946	4.0	2012	1889
Pears.....Tons	48,600	1964	40	2012	1889
Plums.....Tons	25,000	1971	65	2012	1919
Strawberries.....1,000 cwt	451	1940	29	2010	1928

### Fruit: Acres harvested and value of production, 2008-2012

Item	Unit	2008	2009	2010	2011	2012
Acres harvested	1,000 acres	109	110	107	107	108
Value of production	1,000 dollars	365,311	331,074	308,290	438,405	207,593

**Fruit: Acres, production, and value, 2008-2012**

Fruit and Year	Bearing acres	Yield	Production		Price	Value of production
			Total	Utilized		
	<i>Acres</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
Apples						
2008	37,000	15,900	590	590	0.200	118,063
2009	38,000	30,300	1,150	995	0.131	130,038
2010	35,000	16,300	570	570	0.181	103,375
2011	34,000	28,800	980	975	0.207	201,650
2012	34,200	3,360	115	115	0.352	40,475
Blueberries <sup>1</sup>						
2008	18,600	5,910	110	110	1.130	124,000
2009	18,500	5,350	99	99	1.030	101,850
2010	18,600	5,860	109	109	1.230	134,300
2011	19,200	3,750	72	72	1.650	118,700
2012	19,700	4,420	87	87	1.410	122,700
Cherries, tart						
2008	25,900	6,370	165	165	0.382	63,030
2009	26,000	10,200	266	242	0.157	37,981
2010	26,200	5,150	135	129	0.212	27,260
2011	26,700	5,900	158	157	0.301	47,210
2012	27,300	425	12	12	1.110	12,880
Peaches						
2008	4,300	6,520	28.0	27.4	0.330	9,052
2009	4,300	8,000	34.4	33.4	0.362	12,075
2010	4,000	7,000	28.0	27.7	0.460	12,731
2011	3,700	9,000	33.3	32.8	0.366	11,995
2012	3,600	1,100	4.0	4.0	0.665	2,624
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
Cherries, sweet						
2008	7,200	3.68	26,500	26,300	614	16,144
2009	7,000	4.10	28,700	28,600	478	13,666
2010	6,700	2.25	15,100	14,400	678	9,765
2011	6,500	2.86	18,600	18,600	970	18,042
2012	6,500	0.65	4,250	4,250	1,440	6,133
Grapes						
2008	14,200	5.19	73,700	73,700	303	22,359
2009	14,200	6.80	96,500	78,400	341	26,712
2010	14,400	2.50	36,000	36,000	430	15,497
2011	14,500	6.51	94,400	93,400	364	33,957
2012	14,700	2.60	38,200	38,200	468	17,892
Pears						
2008	800	3.56	2,850	2,800	414	1,158
2009	800	5.25	4,200	4,200	343	1,441
2010	800	1.13	900	900	348	313
2011	700	6.29	4,400	4,400	275	1,209
2012	700	0.06	40	40	625	25
Plums						
2008	650	3.54	2,300	2,300	357	821
2009	600	4.83	2,900	2,000	530	1,060
2010	550	3.64	2,000	1,500	640	960
2011	500	3.20	1,600	1,600	700	1,120
2012	500	0.13	65	65	585	38

<sup>1</sup> Harvested acres.

**Apples: Utilization and price, 2008-2012**

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>
2008	165	0.355	425	0.140	590	0.200
2009	400	0.215	595	0.074	995	0.131
2010	210	0.300	360	0.112	570	0.181
2011	350	0.350	625	0.126	975	0.207
2012	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	115	0.352

<sup>1</sup> Estimates suspended.

**Apples, processing: Utilization and price, 2008-2012**

Year	Canned		Frozen and fresh slices		Juice and cider	
	Quantity	Price per lb	Quantity	Price per lb	Quantity	Price per lb
	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>
2008	180	0.152	132	0.155	105	0.102
2009	210	0.070	200	0.096	175	0.052
2010	160	0.120	115	0.115	80	0.090
2011	245	0.130	235	0.141	135	0.095
2012	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Estimates suspended.

**Blueberries: Utilization and price, 2008-2012**

Year	Production		Fresh market		Processed	
	Total	Utilized	Quantity	Price per pound	Quantity	Price per pound
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>
2008	110	110	40	1.700	70	0.800
2009	99	99	49	1.650	50	0.420
2010	109	109	49	1.700	60	0.850
2011	72	72	34	2.150	38	1.200
2012	87	87	33	2.000	54	1.050

**Cherries, sweet: Production and utilization, 2008-2012**

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>
2008	26,500	1,200	2,620	1,830	460	14,100	450	9,170	634
2009	28,700	800	2,390	1,250	590	17,750	410	8,800	425
2010	15,100	1,100	2,290	450	660	8,500	490	4,350	640
2011	18,600	2,200	2,410	1,800	1,000	9,150	600	5,450	1,000
2012	4,250	120	4,280	( <sup>2</sup> )	( <sup>2</sup> )	1,350	1,050	2,780	1,510

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

<sup>2</sup> Included in other.

**Cherries, tart: Utilization, 2008-2012**

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 pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>
2008	165	165	0.5	39.0	0.435	117	0.370	8.5	0.262
2009	266	242	0.5	43.0	0.120	175	0.170	23.5	0.110
2010	135	129	0.2	29.0	0.210	87	0.215	12.5	0.180
2011	158	157	0.2	34.0	0.340	101	0.295	21.5	0.261
2012	12	12	0.1	3.0	1.160	8	1.080	0.5	1.040

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

**Cherries, tart: Production by region, 2008-2012**

Region	2008	2009	2010	2011	2012
	<i>Million pounds</i>				
Northwest	96.5	186.5	66.0	92.5	2.6
West Central	50.0	63.0	57.0	48.0	7.8
Southwest and other	18.5	16.5	12.0	17.0	1.2
Michigan	165.0	266.0	135.0	157.5	11.6

**Cherries, tart, frozen: Stocks in cold storage, 2009-2012**

Month	East North Central region <sup>1</sup>				48 States total <sup>2</sup>			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
	<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	105,143	134,888	87,152	16,670	128,571	161,826	96,444	59,120
August	156,271	122,269	86,189	14,435	193,312	150,298	124,645	51,815
September	148,937	108,622	76,941	14,056	185,263	136,233	108,842	50,514
October	143,809	99,997	67,829	14,946	179,608	128,236	98,395	49,966
November	133,775	92,176	62,002	21,617	167,716	118,223	90,339	56,135
December	125,480	85,817	56,549	18,688	156,136	110,166	83,622	51,161
January	116,688	77,950	47,930		145,923	97,223	73,371	
February	109,432	70,482	41,829		136,313	87,153	65,185	
March	102,596	59,155	35,781		124,138	71,167	54,211	
April	96,331	51,223	28,252		113,941	62,380	44,684	
May	88,016	43,512	17,628		103,008	50,776	32,532	
June	85,253	34,711	15,119		96,540	40,803	26,924	

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

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

**Grapes: Processed utilization and value, 2008-2012**

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>
2008	45,800	22,000	4,700	72,500	264	19,119
2009	45,400	27,500	4,200	77,100	306	23,592
2010	18,100	13,000	3,800	34,900	368	12,857
2011	55,100	31,000	6,200	92,300	339	31,317
2012	21,000	10,800	5,950	37,750	445	16,789

**Grapes: Processed for wine by category, 2008-2012**

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>
2008	2,100	610	2,700	1,380	500	240	5,300	970	5,141
2009	1,930	575	2,330	1,365	40	350	4,300	1,000	4,300
2010	1,690	600	2,060	1,525	50	500	3,800	1,100	4,180
2011	2,200	605	3,800	1,580	800	255	6,800	1,110	7,548
2012	1,980	700	3,820	1,600	1,150	305	6,950	1,135	7,888

**Strawberries: Acres, production and value, 2008-2012**

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>
2008	950	800	61	49	119.00	5,846
2009	950	800	58	46	144.00	6,615
2010	950	750	39	29	141.00	4,089
2011	850	700	44	31	146.00	4,522
2012	750	650	51	33	146.00	4,826

**Strawberries: Utilization and value, 2008-2012**

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>
2008	47	122	5,734	2	56.00	112
2009	43	150	6,450	3	55.00	165
2010	27	147	3,969	2	60.00	120
2011	29	152	4,408	2	57.00	114
2012	32	149	4,768	1	58.00	58

**Refrigerated warehouses: Number and capacity, October 2011 <sup>1</sup>**

Type	Number	Usable freezer space	Usable cooler space
		<i>1,000 cu ft</i>	<i>1,000 cu ft</i>
Public	23	57,564	3,937
Private and Semi-Private	18	14,274	6,294
Total	41	71,838	10,231

<sup>1</sup> Conducted biennially.

## Vegetables

Michigan growers produced 7.92 million hundredweight (cwt) of fresh market vegetables in 2012, a decrease of 2 percent from 2011. This included the fresh market and dual purpose vegetable crops. Harvested acreage was 49,200. The value of fresh market vegetables, at the farm gate level, was \$175.9 million, up 3 percent from 2011. Fresh market vegetables include snap beans, cabbage, carrots, sweet corn, cucumbers, onions and tomatoes. Dual purpose vegetables include asparagus, celery, bell peppers, pumpkins and squash. Michigan growers produced 348,680 tons of processing vegetables in 2012, an increase of 4 percent from 2011. Harvested acreage was 50,000 acres. Farm gate value of production totaled \$68.1 million. Nationally, Michigan ranked fifth for processing vegetable value of production. Processing vegetables includes cucumbers for pickles, snap beans, and tomatoes; carrots for processing were confined to avoid disclosure of individual operations.

Asparagus production for fresh and processed markets totaled 191 thousand cwt, down 12 percent from 2011. Cucumbers for pickles totaled 154,980 tons, down 12 percent from last year. Michigan is the number one state in the production of cucumbers for pickles.

Fresh market cucumbers totaled 612 thousand cwt, accounting for 6 percent of the U.S. total. Production of snap beans for fresh market totaled 122 thousand cwt, down 24 percent from last year. Snap beans for processing totaled 71,200 tons, up 35 percent from last year. Fresh market cabbage production totaled 700 thousand cwt, down 8 percent from 2011. Production for carrots for fresh market totaled 420 thousand cwt, the second highest in the U.S. Celery production for fresh and processing markets was 1,130 thousand cwt, up 28 percent from last year. Sweet corn for fresh market totaled 946 thousand cwt, up 6 percent from 2011. Onion production for fresh markets totaled 644 thousand cwt, 21 percent below 2011. Bell pepper production for fresh and processed markets totaled 390 thousand cwt, up 11 percent from last year. Pumpkin production for fresh and processed markets totaled 945 thousand cwt, down 4 percent from 2011. Squash production for fresh and processed markets totaled 1,416 thousand cwt, up 1 percent from 2011. Tomatoes for fresh market totaled 400 thousand cwt, down 9 percent from 2011. Tomatoes for processing totaled 122,500 tons, up 17 percent from 2011.

**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	4.00	2012	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	2006,2009	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	198,400	2010	8,900	1932	
Onions						
Harvested	1,000 acres	12.7	1935	2.8	2012	1928
Yield	Cwt	350	1960,2009	120	1935	
Production	1,000 cwt	2,833	1948	644	2012	
Tomatoes (fresh market)						
Harvested	1,000 acres	9.4	1943	1.8	2001	1928
Yield	Cwt	300	2009	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	39.0	2009	2.7	1943	
Production	Tons	205,000	1982	5,000	1921	

**Vegetables: Acres harvested and value of production, 2008-2012**

Item	Unit	2008	2009 <sup>1</sup>	2010 <sup>1</sup>	2011 <sup>1</sup>	2012 <sup>1</sup>
Acres harvested	1,000 acres	105	107	105	103	99
Value of production	1,000 dollars	239,230	249,476	257,380	246,836	249,991

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

**Principal vegetables, fresh market: Acres, production, and value, 2008-2012<sup>1</sup>**

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 dollars</i>
2008	56,700	53,800	8,396	169,990
2009	57,500	54,500	9,100	171,540
2010	57,500	55,200	8,390	174,700
2011	55,800	52,700	8,082	170,667
2012	53,200	49,200	7,916	175,883

<sup>1</sup> Includes dual purpose vegetables.

**Principal vegetables, processing: Acres, production, and value, 2008-2012<sup>1</sup>**

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 dollars</i>
2008	52,700	51,600	413,350	69,240
2009 <sup>2</sup>	53,500	52,400	386,280	77,936
2010 <sup>2</sup>	50,300	49,300	372,810	75,288
2011 <sup>2</sup>	51,800	50,700	334,520	71,201
2012 <sup>2</sup>	51,300	50,000	348,680	68,123

<sup>1</sup> Excludes dual purpose vegetables.

<sup>2</sup> Processing carrots excluded to avoid disclosure of individual operations.

**Vegetables, processing: Acres, production, and value, 2008-2012**

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>
<b>Cucumbers</b>						
2008	31,000	30,500	6.20	189,100	220.00	41,602
2009	33,000	32,500	5.80	188,500	260.00	49,010
2010	32,000	31,000	6.40	198,400	250.00	49,600
2011	32,400	31,600	5.60	176,960	255.00	45,125
2012	29,700	28,700	5.40	154,980	240.00	37,195
<b>Snap beans</b>						
2008	15,500	15,000	3.65	54,750	210.00	11,498
2009	17,000	16,500	3.95	65,180	220.00	14,340
2010	14,800	14,800	3.98	58,910	240.00	14,138
2011	15,900	15,600	3.37	52,560	280.00	14,736
2012	18,000	17,800	4.00	71,200	235.00	16,718
<b>Tomatoes</b>						
2008	3,400	3,400	30.00	102,000	100.00	10,200
2009	3,500	3,400	39.00	132,600	110.00	14,586
2010	3,500	3,500	33.00	115,500	100.00	11,550
2011	3,500	3,500	30.00	105,000	108.00	11,340
2012	3,600	3,500	35.00	122,500	116.00	14,210

**Vegetables, fresh market: Acres, production, and value, 2008-2012**

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>						
2008	3,200	2,800	40	112	40.00	4,480
2009	3,200	3,100	50	155	40.00	6,200
2010	3,300	3,200	45	144	50.00	7,200
2011	3,000	2,900	55	160	55.00	8,800
2012	2,800	2,600	47	122	55.00	6,710
<b>Cabbage</b>						
2008	2,500	2,400	280	672	18.00	12,096
2009	2,700	2,600	260	676	15.00	10,140
2010	3,100	3,000	280	840	13.00	10,920
2011	3,400	3,300	230	759	16.00	12,144
2012	3,000	2,800	250	700	17.00	11,900
<b>Carrots</b>						
2008	2,400	2,300	290	667	19.20	12,806
2009	2,400	2,200	270	594	21.30	12,652
2010	2,100	1,900	250	475	23.00	10,925
2011	1,900	1,800	260	468	16.30	7,628
2012	1,600	1,500	280	420	16.60	6,972
<b>Corn, sweet</b>						
2008	9,000	8,500	85	723	23.50	16,991
2009	9,700	9,100	110	1,001	23.60	23,624
2010	10,000	9,400	100	940	24.70	23,218
2011	10,200	9,500	94	893	23.00	20,539
2012	10,100	9,100	104	946	25.60	24,218
<b>Cucumbers</b>						
2008	4,200	4,100	185	759	18.60	14,117
2009	4,400	4,300	225	968	19.20	18,586
2010	4,300	4,300	210	903	22.70	20,498
2011	3,800	3,700	190	703	23.00	16,169
2012	3,800	3,600	170	612	23.50	14,382
<b>Onions</b>						
2008	4,000	3,600	280	1,008	15.20	12,282
2009	4,000	3,800	350	1,330	13.50	14,310
2010	4,200	4,000	220	880	14.80	10,419
2011	3,900	3,400	240	816	14.80	9,664
2012	3,000	2,800	230	644	13.00	7,748
<b>Tomatoes</b>						
2008	2,200	2,100	260	546	45.00	24,570
2009	2,100	2,000	300	600	35.00	21,000
2010	2,000	2,000	200	400	54.00	21,600
2011	2,100	2,000	220	440	40.00	17,600
2012	2,100	2,000	200	400	40.00	16,000

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

**Vegetables, dual purpose: Acres, production, and value, 2008-2012**

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						
2008	11,700	11,200	23	258	71.80	18,516
2009	11,200	10,700	22	235	70.40	16,553
2010	10,700	10,500	16	168	83.00	13,948
2011	10,400	9,800	22	216	80.20	17,322
2012	10,300	9,100	21	191	90.40	17,274
Celery						
2008	1,900	1,800	525	945	15.60	14,705
2009	2,000	1,900	555	1,055	14.10	14,898
2010	2,000	1,900	525	1,000	17.90	17,880
2011	2,000	1,800	490	882	14.70	12,958
2012	2,100	2,000	565	1,130	19.80	22,380
Peppers, bell						
2008	1,600	1,600	250	400	30.00	12,000
2009	1,700	1,600	240	384	30.00	11,520
2010	1,700	1,600	230	368	33.00	12,144
2011	1,400	1,300	270	351	36.00	12,636
2012	1,600	1,500	260	390	38.00	14,820
Pumpkins						
2008	7,100	6,800	145	986	15.50	15,283
2009	7,400	6,700	110	737	14.00	10,318
2010	7,400	6,800	140	952	14.50	13,804
2011	7,200	6,800	145	986	17.00	16,762
2012	6,800	6,300	150	945	14.00	13,230
Squash						
2008	6,900	6,600	200	1,320	9.20	12,144
2009	6,700	6,500	210	1,365	8.60	11,739
2010	6,700	6,600	200	1,320	9.20	12,144
2011	6,500	6,400	220	1,408	13.10	18,445
2012	6,000	5,900	240	1,416	14.30	20,249

**U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 2008-2012**

Year	From current year crop			From previous year crop		Total stocks
	Salt stock including dill	Fresh pack	Refrigerated	Salt stock including dill		
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>		<i>Tons</i>
2008	377,549	30,713	1,530	38,177		447,969
2009	133,895	25,490	2,230	27,910		189,525
2010	137,800	34,225	2,000	9,440		183,465
2011	182,863	65,191	2,250	9,211		259,515
2012	206,561	44,877	17,033	6,532		275,003

## Horticulture

Michigan maintained its third place national ranking in value of wholesale sales of floriculture products in 2012, behind California and Florida. Reports from Michigan's 539 commercial growers (\$10K or more in gross sales) showed an estimated wholesale value of \$375.7 million for all surveyed floriculture crops, nearly unchanged from last year's figure. This estimate includes summarized sales data as reported by growers with \$100K or more in sales plus a calculated wholesale value of sales for operations with sales from \$10K to \$99,999. Total covered area for all operations in the state was 47.6 million square feet. This includes both rigid and film plastic greenhouses, glass greenhouses, shade, and temporary cover. Only California and Florida had more total cover.

The leading crop category breakdowns for Michigan operations with more than \$100K in sales were: First--annual bedding/garden plants with \$201.7 million in sales; second--propagative materials

with \$78.4 million in sales; third--herbaceous perennial plants with \$52.3 million in sales; and fourth--potted flowering plants with \$25.5 million in sales.

Michigan leads the nation in value of sales for nine floriculture crops: Impatiens (flats) with 1.6 million flats sold, valued at \$12.6 million.; begonias (flats) with 762,000 flats sold, valued at \$6.3 million; begonias hanging baskets with 527,000 baskets sold, valued at \$3.2 million; geranium hanging baskets (cuttings) with 656,000 baskets sold, valued at \$4.9 million; impatiens (other) hanging baskets with 620,000 sold, valued at \$3.1 million; petunias hanging baskets with 1.2 million baskets sold, valued at \$6.5 million; potted Easter lillies with 1.2 million pots sold, valued at \$5.0 million; potted geraniums (seed) with 9.0 million pots sold, valued at \$7.1 million; and potted petunias with 4.5 million pots sold, valued at \$8.0 million.

**Floriculture crops: Number of growers by gross value of sales, 2008-2012**

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>
2008	84	111	46	160	181	138	720
2009	103	96	42	116	199	128	684
2010	60	83	38	125	178	137	621
2011	47	79	38	123	174	123	584
2012	40	61	31	104	181	122	539

**Floriculture crops: Growing area by type of cover, 2008-2012**

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>
2008	3,922	4,953	38,064	46,939	1,054	47,993	4,004
2009	3,738	5,246	40,082	49,066	1,155	50,221	5,233
2010	4,551	4,894	38,252	47,697	513	48,210	3,248
2011	4,345	4,896	38,732	47,973	732	48,705	3,616
2012	4,396	5,769	36,750	46,915	631	47,546	3,243

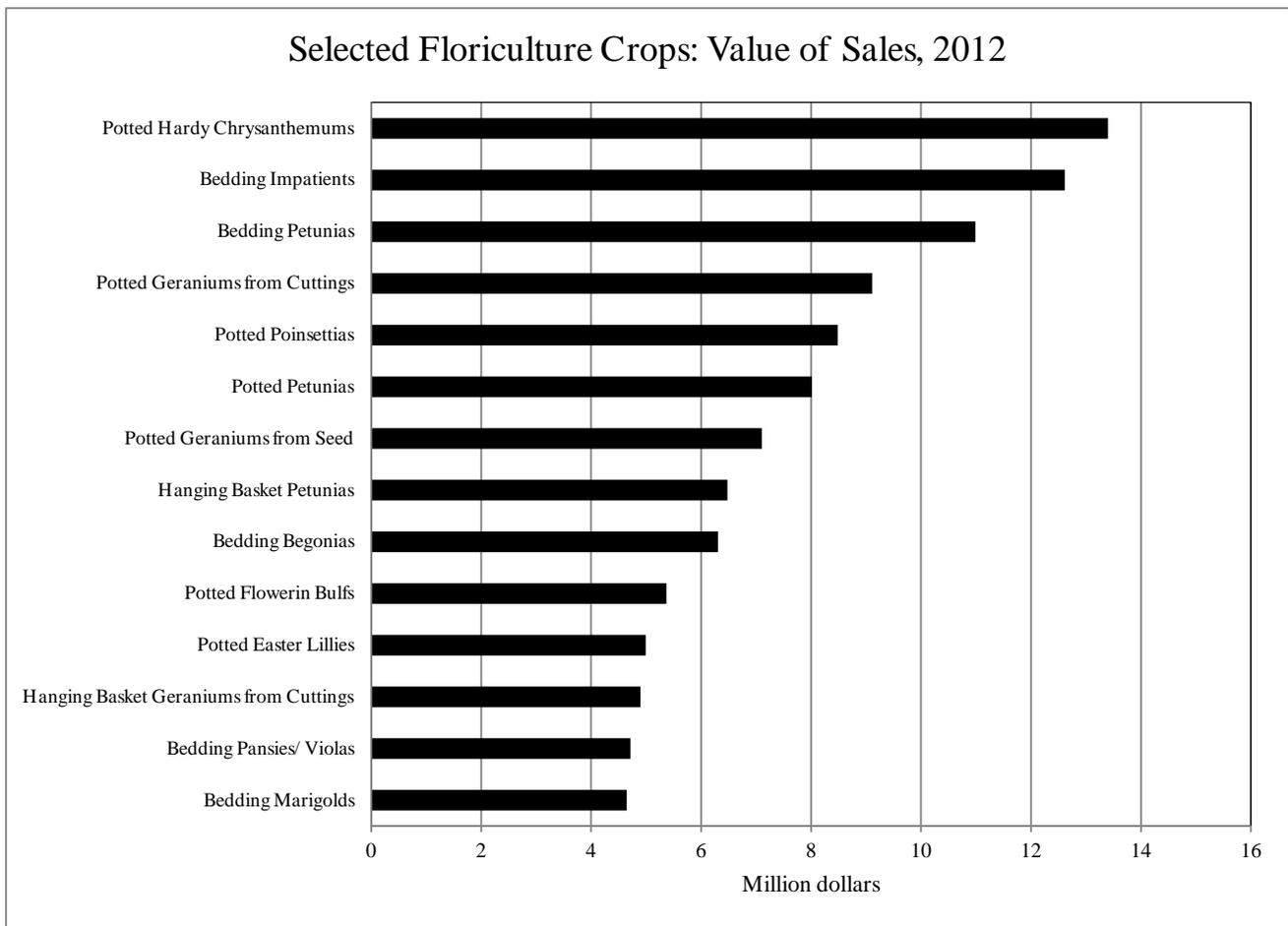
**Floriculture crops: Wholesale value of sales by category, 2008-2012**

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>
2008	( <sup>2</sup> )	32,872	3,085	256,165	375,744	393,500
2009	9,021	30,920	8,702	248,217	380,171	394,145
2010	9,540	32,137	7,812	265,936	394,618	408,133
2011	5,741	27,138	( <sup>2</sup> )	260,626	361,486	376,135
2012	4,872	25,461	( <sup>2</sup> )	254,018	362,761	375,744

<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.

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

**Selected Floriculture Crops: Value of Sales, 2012**



**Bedding plants: Producers, quantity sold, price, and value, 2008-2012**

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>					
2008	205	827	86	7.44	6,153
2009	219	891	84	7.53	6,709
2010	199	828	86	7.54	6,243
2011	191	804	85	7.44	5,982
2012	197	762	83	8.28	6,309
<b>Geraniums from cuttings</b>					
2008	12	60	11	12.96	778
2009	17	60	43	16.93	1,016
2010	14	43	78	15.48	666
2011	12	41	83	16.07	659
2012	14	30	79	19.97	599
<b>Geraniums from seed</b>					
2008	22	48	78	11.90	571
2009	32	52	65	11.38	592
2010	25	174	88	10.02	1,743
2011	24	52	48	11.51	599
2012	26	56	76	10.34	579
<b>Impatiens</b>					
2008	220	1,932	87	7.22	13,949
2009	221	1,936	86	7.40	14,326
2010	207	2,079	86	7.07	14,699
2011	195	2,011	86	7.02	14,117
2012	195	1,563	84	8.07	12,613
<b>Marigolds</b>					
2008	213	705	86	7.35	5,182
2009	220	810	88	7.59	6,148
2010	206	740	89	7.43	5,498
2011	194	723	87	7.20	5,206
2012	202	566	84	8.21	4,647
<b>New Guinea Impatiens</b>					
2008	18	34	68	8.36	284
2009	31	53	83	7.50	398
2010	23	44	80	7.23	318
2011	25	41	78	7.03	288
2012	21	30	76	6.85	206
<b>Pansies/Violas</b>					
2008	194	629	90	7.53	4,736
2009	201	587	90	7.16	4,203
2010	186	652	92	6.80	4,434
2011	176	630	92	7.18	4,523
2012	183	634	92	7.44	4,717
<b>Petunias</b>					
2008	228	1,476	87	7.46	11,011
2009	233	1,537	86	7.82	12,019
2010	224	1,724	90	8.34	14,378
2011	210	1,454	88	7.81	11,356
2012	208	1,240	87	8.86	10,986
<b>Other flowering and foliar</b>					
2008	209	2,927	86	7.28	21,309
2009	210	2,482	86	7.68	19,062
2010	205	3,001	87	7.42	22,267
2011	201	3,270	88	7.52	24,590
2012	205	2,504	87	8.66	21,685
<b>Vegetables <sup>1</sup></b>					
2008	168	696	82	8.14	5,665
2009	143	844	86	7.78	6,556
2010	166	971	85	7.82	7,593
2011	153	764	81	9.19	7,021
2012	157	743	81	9.48	7,044

<sup>1</sup> Does not include vegetable transplants grown for commercial use.

**Hanging baskets: Producers, quantity sold, price, and value, 2008-2012**

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>
<b>Begonias</b>					
2008	161	365	88	6.00	2,190
2009	166	357	87	5.93	2,117
2010	158	388	89	6.38	2,475
2011	150	502	89	7.34	3,685
2012	168	527	78	6.03	3,178
<b>Geraniums from cuttings</b>					
2008	205	613	79	7.04	4,316
2009	202	598	80	7.45	4,455
2010	195	811	86	6.93	5,620
2011	190	802	84	7.07	5,670
2012	198	656	76	7.46	4,894
<b>Geraniums from seed</b>					
2008	24	40	89	5.97	239
2009	34	79	93	7.13	563
2010	21	43	95	6.48	279
2011	21	36	95	6.63	239
2012	22	82	97	6.86	563
<b>Impatiens</b>					
2008	187	568	90	5.28	2,999
2009	176	514	86	5.44	2,796
2010	174	537	90	5.48	2,943
2011	168	505	86	5.89	2,974
2012	178	620	89	5.05	3,131
<b>Marigolds</b>					
2008	11	24	100	3.69	89
2009	9	24	98	3.90	94
2010	13	20	97	3.90	78
2011	14	22	96	4.27	94
2012	20	36	97	4.39	158
<b>New Guinea Impatiens</b>					
2008	205	469	87	7.00	3,283
2009	200	455	88	7.04	3,203
2010	181	491	88	6.77	3,324
2011	169	483	87	6.55	3,164
2012	176	389	83	7.24	2,816
<b>Pansies/Violas</b>					
2008	45	84	94	5.92	497
2009	43	371	98	4.86	1,803
2010	40	80	94	5.56	445
2011	45	96	90	5.61	539
2012	52	220	99	5.07	1,115
<b>Petunias</b>					
2008	206	850	88	5.83	4,956
2009	197	826	86	5.73	4,733
2010	194	1,194	91	5.67	6,770
2011	185	1,176	89	6.10	7,174
2012	189	1,169	88	5.54	6,476
<b>Other flowering</b>					
2008	192	2,068	87	6.99	14,455
2009	187	1,700	87	7.52	12,784
2010	194	2,471	86	7.20	17,791
2011	183	2,213	86	7.72	17,084
2012	172	2,431	89	6.52	15,850
<b>Foliage</b>					
2008	59	179	85	5.73	1,026
2009	47	768	97	5.66	4,347
2010	55	765	93	5.66	4,330
2011	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2012	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

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

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2008-2012**

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>Azaleas</b>								
2008	17	( <sup>1</sup> )	47	47	80	( <sup>1</sup> )	7.40	348
2009	11	( <sup>1</sup> )	35	35	94	( <sup>1</sup> )	6.74	236
2010	8	( <sup>1</sup> )	13	13	84	( <sup>1</sup> )	10.49	136
2011	9	( <sup>1</sup> )	13	13	81	( <sup>1</sup> )	10.79	140
2012	9	( <sup>1</sup> )	34	34	94	( <sup>1</sup> )	6.54	222
<b>Begonias</b>								
2008	99	619	153	772	91	1.28	3.02	1,254
2009	107	561	156	717	88	1.57	3.10	1,364
2010	100	810	237	1,047	90	1.44	2.73	1,813
2011	109	551	166	717	82	1.46	3.27	1,347
2012	119	898	175	1,073	84	1.45	2.75	1,783
<b>Chrysanthemums, florist</b>								
2008	20	20	91	111	86	1.72	4.19	416
2009	14	13	38	51	81	1.58	4.83	204
2010	10	7	19	26	96	1.81	5.86	124
2011	13	8	22	30	86	1.65	5.69	138
2012	19	33	301	334	96	1.70	4.69	1,468
<b>Chrysanthemums, hardy garden</b>								
2008	131	1,020	4,612	5,632	94	1.33	2.58	13,256
2009	135	343	4,582	4,925	93	1.11	2.61	12,340
2010	135	1,338	4,890	6,228	95	1.20	2.75	15,053
2011	136	1,109	4,719	5,828	94	1.08	2.90	14,883
2012	130	985	4,495	5,480	94	0.92	2.78	13,402
<b>Easter Lilies</b>								
2008	33	( <sup>1</sup> )	1,116	1,116	98	( <sup>1</sup> )	3.86	4,308
2009	33	( <sup>1</sup> )	1,541	1,541	98	( <sup>1</sup> )	3.77	5,816
2010	25	( <sup>1</sup> )	1,601	1,601	99	( <sup>1</sup> )	3.78	6,053
2011	27	( <sup>1</sup> )	1,021	1,021	98	( <sup>1</sup> )	4.34	4,429
2012	22	37	1,136	1,173	98	3.48	4.28	4,991
<b>Geraniums from cuttings</b>								
2008	205	2,654	1,348	4,002	66	1.87	4.09	10,476
2009	211	2,340	1,069	3,409	64	1.97	3.73	8,597
2010	213	2,269	1,590	3,859	72	1.93	3.39	9,769
2011	194	2,087	1,245	3,332	69	1.97	3.95	9,029
2012	200	2,050	1,315	3,365	71	1.93	3.92	9,111
<b>Geraniums from seed</b>								
2008	93	18,150	20	18,170	99	0.80	5.97	14,639
2009	93	16,630	65	16,695	98	0.81	4.06	13,734
2010	90	11,573	224	11,797	98	0.93	4.81	11,840
2011	91	17,262	55	17,317	93	0.88	3.01	15,356
2012	89	8,923	34	8,957	98	0.77	6.90	7,105
<b>Impatiens</b>								
2008	61	523	173	696	92	1.34	2.76	1,178
2009	72	570	220	790	92	1.18	1.94	1,099
2010	71	672	199	871	94	1.34	3.35	1,567
2011	74	577	197	774	90	1.29	3.57	1,448
2012	76	653	189	842	94	1.24	2.79	1,337
<b>Marigolds</b>								
2008	20	141	73	214	99	0.88	2.52	308
2009	28	204	98	302	98	0.74	1.72	320
2010	25	145	66	211	99	0.86	1.80	244
2011	23	106	122	228	99	0.86	2.44	389
2012	26	58	123	181	99	0.83	2.76	388
<b>New Guinea Impatiens</b>								
2008	170	3,870	422	4,292	94	1.39	3.34	6,789
2009	181	2,837	517	3,354	93	1.26	2.71	4,976
2010	168	1,924	565	2,489	92	1.22	2.19	3,585
2011	157	2,005	261	2,266	93	1.36	3.34	3,599
2012	173	2,486	341	2,827	94	1.18	2.81	3,892

See footnote(s) at end of table.

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**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2008-2012 (continued)**

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Pansies/Violas								
2008	48	1,099	389	1,488	99	0.82	2.74	1,967
2009	56	1,035	534	1,569	94	0.61	2.14	1,774
2010	54	1,302	520	1,822	99	0.85	2.34	2,324
2011	56	1,274	366	1,640	98	0.86	2.70	2,084
2012	52	1,646	547	2,193	98	0.74	2.59	2,635
Petunias								
2008	104	1,629	860	2,489	94	1.41	3.40	5,221
2009	115	2,327	803	3,130	90	1.31	2.84	5,329
2010	113	2,599	1,486	4,085	94	1.42	2.13	6,856
2011	114	2,223	1,169	3,392	92	1.70	2.06	6,187
2012	108	2,301	2,178	4,479	93	1.41	2.19	8,014
Poinsettias								
2008	67	396	1,983	2,379	93	2.13	4.58	9,926
2009	64	593	2,108	2,701	91	1.88	4.55	10,706
2010	56	567	1,748	2,315	94	1.98	4.50	8,989
2011	56	515	1,662	2,177	95	2.00	4.52	8,542
2012	53	520	1,688	2,208	93	1.97	4.42	8,485
Flowering bulbs								
2008	33	7,733	( <sup>1</sup> )	7,733	100	1.56	( <sup>1</sup> )	12,063
2009	28	367	1,343	1,710	99	1.77	3.85	5,820
2010	32	4,101	2,386	6,487	100	0.82	3.40	11,475
2011	33	2,549	1,974	4,523	100	0.89	3.47	9,118
2012	28	436	1,366	1,802	99	1.73	3.38	5,371
Other flowering plants								
2008	43	536	613	1,149	89	1.47	3.72	3,068
2009	70	872	1,143	2,015	92	1.87	4.24	6,477
2010	36	763	526	1,289	90	1.33	3.84	3,035
2011	40	367	385	752	76	1.47	4.74	2,364
2012	43	764	420	1,184	89	1.46	4.58	3,039
Other flowering and foliar type bedding plants								
2008	136	12,942	3,795	16,737	89	1.53	3.51	33,122
2009	172	10,915	3,924	14,839	88	1.50	3.75	31,088
2010	154	16,705	5,607	22,312	91	1.37	3.42	42,062
2011	154	17,013	3,616	20,629	87	1.31	4.25	37,655
2012	152	21,639	7,776	29,415	92	1.17	3.32	51,134
Vegetable type <sup>2</sup>								
2008	98	7,656	882	8,538	96	0.94	2.41	9,322
2009	99	3,330	1,688	5,018	88	0.87	2.56	7,218
2010	116	6,264	1,494	7,758	93	0.92	2.87	10,051
2011	122	6,120	500	6,620	92	1.42	5.57	11,475
2012	120	4,036	1,136	5,172	90	1.10	3.80	8,756

<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, 2008-2012**

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										
2008	106	2,103	911	48	3,062	95	1.73	4.04	7.48	7,678
2009	111	1,212	1,005	45	2,262	95	1.90	3.67	8.55	6,376
2010	103	690	489	56	1,235	92	1.61	3.76	7.85	3,389
2011	102	1,002	437	34	1,473	94	1.88	3.60	10.65	3,819
2012	105	1,070	603	27	1,700	93	1.80	3.67	11.61	4,452
Other										
2008	124	13,350	7,343	432	21,125	92	1.36	3.71	6.70	48,293
2009	143	8,894	8,094	639	17,627	93	1.72	3.82	6.57	50,415
2010	124	6,158	6,025	1,133	13,316	87	1.70	3.76	5.91	39,819
2011	120	5,902	5,638	150	11,690	87	2.18	4.32	7.79	38,391
2012	126	6,140	5,824	123	12,087	87	1.83	3.84	6.85	34,443

# 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	3,460	2012	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	2006,2009	1921
Milk	Million pounds	8,889	2012	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	380	2009,2010	1934

<sup>1</sup> December 1.

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

## Cattle and Calves

The January 1, 2013, Michigan cattle herd was 1.12 million head, up 1 percent from a year earlier. The milk cow inventory, 377,000 head, was up 6,000 from the previous year; milk cow replacement heifers decreased by 1,000 to 157,000 head. The beef cow inventory increased by 4,000 to 113,000 head; beef cow replacements numbered 28,000 head. The number of steers

increased 1,000 to 174,000 head. The 2012 calf crop was 385,000 head, down 5,000 from the previous year.

Cash receipts from cattle and calf marketings totaled \$480.0 million, up 11 percent from 2011. The liveweight marketed was 439.9 million pounds, 1 percent above the 2011 total. The top 5 counties in cattle and calves inventory on January 1, 2013, were Huron, Sanilac, Ionia, Clinton, and Allegan.

### Cattle and calves: Number on farms by class, January 1, 2009-2013

Class	2009	2010	2011	2012	2013
	<i>1,000 head</i>				
All cows that have calved	445	450	460	480	490
Beef cows	92	96	99	109	113
Milk cows	353	354	361	371	377
Heifers, 500 pounds and over	225	235	225	230	232
Beef cow replacement	27	27	27	27	28
Milk cow replacement	148	158	148	158	157
Other	50	50	50	45	47
Steers, 500 pounds and over	185	200	190	173	174
Bulls, 500 pounds and over	15	15	15	17	14
Calves, under 500 pounds	200	200	200	210	210
All cattle and calves	1,070	1,100	1,090	1,110	1,120

**Cattle and calves: Balance sheet, 2008-2012**

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>
2008	1,070	375	95	357	42	4	23	44	1,070
2009	1,070	380	61	296	37	4	28	46	1,100
2010	1,100	385	61	350	37	4	22	43	1,090
2011	1,090	390	58	318	38	3	23	46	1,110
2012	1,110	385	58	318	44	3	24	44	1,120

<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.

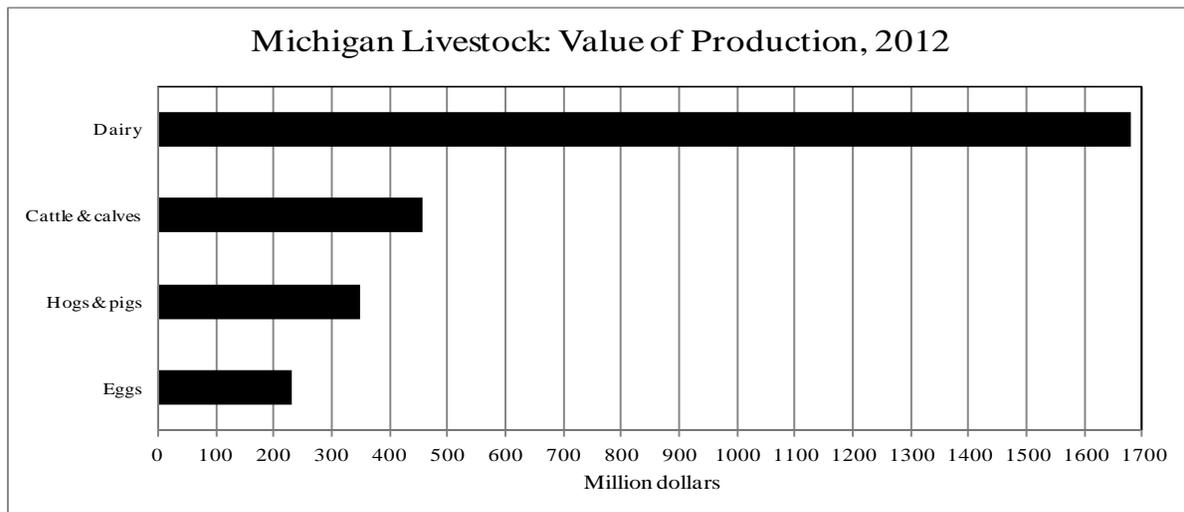
**Cattle and calves: Production and income, 2008-2012**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	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>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2008	443,350	494,368	335,670	384,943	9,823	394,766
2009	417,234	415,600	284,066	288,582	8,749	297,331
2010	446,684	482,890	348,281	380,753	9,721	390,474
2011	425,512	437,325	418,199	433,661	12,721	446,382
2012	424,483	439,875	455,285	479,987	13,497	493,484

<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.



## Dairy

Milk production in Michigan during 2012 was 8,889 million pounds, up 4.8 percent from 2011. Michigan ranked eighth nationally in milk production in 2012, accounting for 4.4 percent of U.S. production. Huron, Clinton, and Sanilac were the three top counties in milk cows.

The annual average number of milk cows on Michigan farms during 2012 was 375,000 head, up 9,000 from 2011. Milk

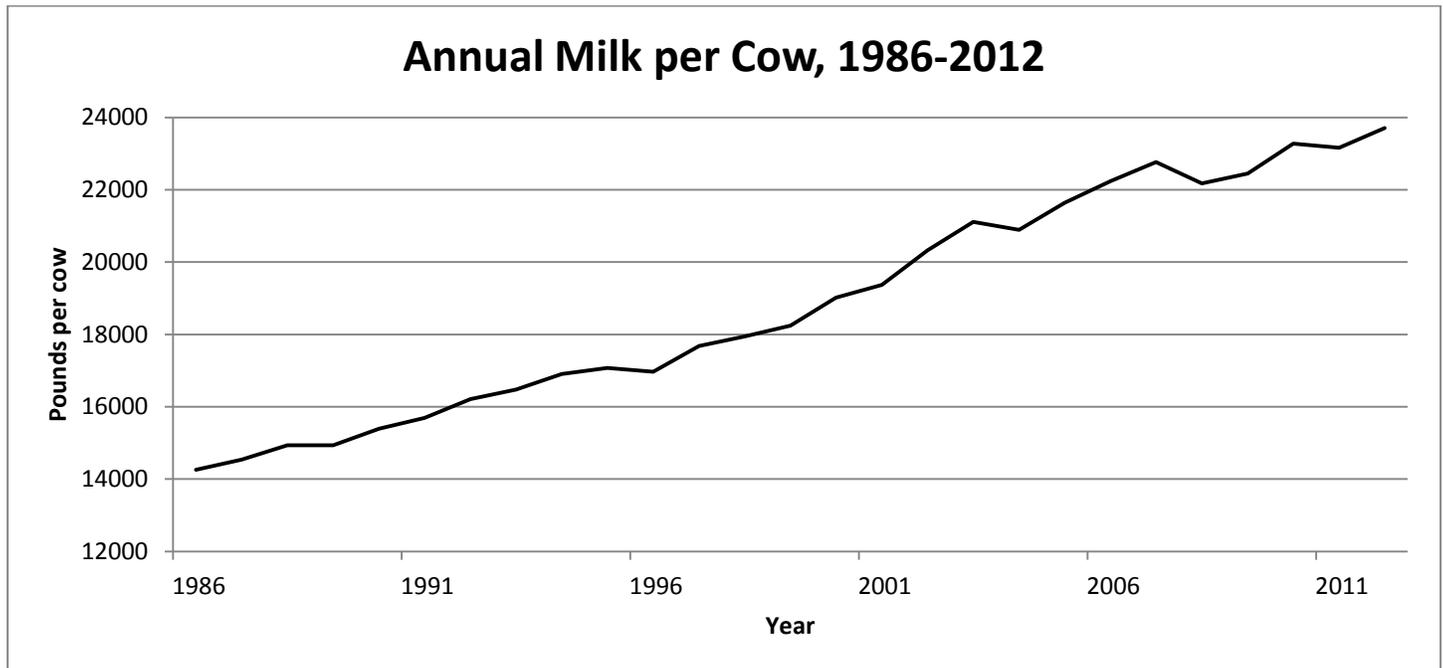
production per cow was 23,704 pounds in 2012, compared with 23,164 pounds during 2011. The average butterfat content was 3.64 percent, down from 3.66 in 2011.

Milk prices during the year averaged \$18.90 per cwt., down \$2.10 from 2011. Cash receipts from milk sales totaled \$1.68 billion, down 5.6 percent from 2011. Milk continued as the top commodity for Michigan cash receipts in 2012.

**Milk: Production, utilization, marketings, and value, 2008-2012**

Item	Unit	2008	2009	2010	2011	2012
<b>Production</b>						
Total milk produced on farms	Million pounds	7,763	7,968	8,333	8,478	8,889
Milkfat produced	Million pounds	282.6	289.2	299.2	310.3	323.6
Milkfat	Percent	3.64	3.63	3.59	3.66	3.64
<b>Utilization</b>						
<b>Milk used where produced</b>						
Fed to calves	Million pounds	23	26	25	27	24
Used for milk, cream, and butter	Million pounds	2	2	2	2	2
<b>Milk marketed by producers</b>						
Milk marketed by producers	Million pounds	7,738	7,940	8,306	8,449	8,863
Average return per 100 pounds of milk	Dollars	19.20	13.40	17.00	21.00	18.90
Average return per pound milkfat	Dollars	5.27	3.69	4.74	5.74	5.19
Fluid grade	Percent	100	100	100	100	100
Total cash receipts	1,000 dollars	1,485,696	1,063,960	1,412,020	1,774,290	1,675,107
<b>Value</b>						
Value of milk used where produced <sup>1</sup>	1,000 dollars	4,800	3,752	4,590	6,090	4,914
Total value of milk produced	1,000 dollars	1,490,496	1,067,712	1,416,610	1,780,380	1,680,021

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



**Milk cows: Number by month, 2008-2012**

Month	2008	2009	2010	2011	2012
	<i>1,000 head</i>				
January	344	354	354	363	372
February	344	354	355	364	374
March	345	355	357	364	375
April	347	356	357	362	375
May	350	357	359	364	375
June	351	357	359	364	375
July	352	356	359	366	376
August	352	355	359	366	376
September	352	355	359	367	374
October	353	355	360	369	374
November	353	354	360	369	375
December	354	354	361	370	377
Annual	350	355	358	366	375

**Milk production: Total by month, 2008-2012**

Month	2008	2009	2010	2011	2012
	<i>Million pounds</i>				
January	657	660	680	711	740
February	605	602	627	652	701
March	645	673	710	723	767
April	638	664	703	708	750
May	677	698	741	743	765
June	653	675	718	713	737
July	669	692	725	712	743
August	655	678	702	710	752
September	630	651	677	686	711
October	651	660	689	710	744
November	628	639	662	688	729
December	655	676	699	722	750
Annual	7,763	7,968	8,333	8,478	8,889

**Milk: Production per cow, by month, 2008-2012**

Month	2008	2009	2010	2011	2012
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,910	1,865	1,920	1,960	1,990
February	1,760	1,700	1,765	1,790	1,875
March	1,870	1,895	1,990	1,985	2,045
April	1,840	1,865	1,970	1,955	2,000
May	1,935	1,955	2,065	2,040	2,040
June	1,860	1,890	2,000	1,960	1,965
July	1,900	1,945	2,020	1,945	1,975
August	1,860	1,910	1,955	1,940	2,000
September	1,790	1,835	1,885	1,870	1,900
October	1,845	1,860	1,915	1,925	1,990
November	1,780	1,805	1,840	1,865	1,945
December	1,850	1,910	1,935	1,950	1,990
Annual	22,180	22,445	23,277	23,164	23,704

**Dairy Products, by Region, 2008-2012**

Product	Region	2008	2009	2010	2011	2012
		<i>Million pounds</i>				
Cheese, total <sup>1</sup>	Central	4,342.6	4,550.2	4,621.3	4,700.6	4,917.8
Cheese, American type <sup>2</sup>	Central	1,856.4	1,984.8	2,005.6	1,997.2	2,104.4
Cheese, Italian	Central	1,602.6	1,672.7	1,711.3	1,835.6	1,868.2
Butter	Central	686.4	651.5	573.4	702.7	717.5
Cottage cheese, lowfat	Central	NA	143.7	153.3	137.8	137.0
Cottage cheese, creamed	Central	NA	167.7	167.8	153.0	152.3
Cottage cheese curd	Central	NA	176.7	184.8	171.9	175.6
Yogurt, plain and flavored	Central	1,761.7	1,916.8	1,992.3	1,913.9	1,900.5
Condensed skim milk, unsweetened, bulk	Central	379.4	337.0	334.9	329.8	352.1
Nonfat dry milk for human food	Central	190.6	162.0	137.1	159.7	248.0
Dry whey for human food	Central	476.7	470.2	472.9	461.5	458.6
		<i>1,000 gallons</i>				
Ice cream, regular, hard	Central	459,050	440,952	430,759	416,014	433,550
Ice cream, lowfat, total	Central	NA	223,383	220,910	236,930	274,183
Sherbet, hard	Central	NA	30,870	27,979	25,784	25,012
Frozen yogurt mix	Central	NA	11,137	11,049	11,557	12,530
Ice cream mix, regular	Central	NA	236,179	243,490	233,396	241,480
Ice cream mix, lowfat	Central	NA	133,500	137,799	150,761	165,944
Ice cream mix, lowfat	Michigan	NA	13,921	18,256	25,911	24,712
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Number of Plants	United States	1,125	1,203	1,250	1,278	1,288
Number of Plants	Michigan	40	39	41	55	57

<sup>1</sup> Excluding cottage cheese.

<sup>2</sup> Includes Cheddar, Colby, and Jack.

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

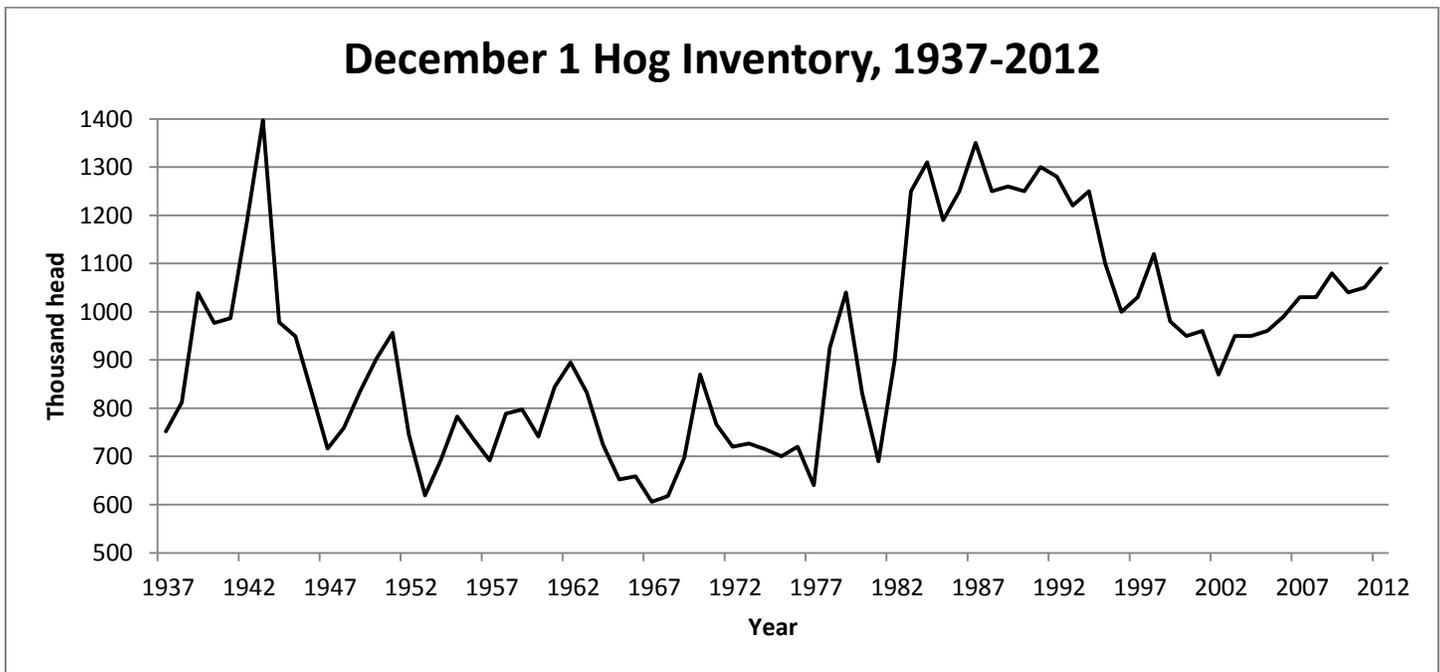
## Hogs and Pigs

The December 1, 2012, Michigan hog inventory was 1.09 million head, up 40 thousand from a year earlier. Breeding hogs were 10 percent of the total inventory while market hogs made up the remaining 90 percent. From December 2011 through November 2012, 205,000 sows farrowed; the litter rate was 10.08 pigs per

litter. The resulting Michigan 2012 pig crop was 2.076 million head, up slightly from the previous year. Hog production totaled 549 million pounds in 2012, down 11 percent from 2011. Cash receipts from hogs and pigs totaled \$356.6 million, down 15 percent from a year earlier.

**Hogs and pigs: Inventory, 2009-2013**

Month and year	Market hogs and pigs					Breeding stock	Total hogs and pigs
	Under 50 pounds	50-119 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>
<b>March 1</b>							
2009	315	265	160	190	930	110	1,040
2010	310	250	185	205	950	110	1,060
2011	300	230	200	190	920	110	1,030
2012	290	200	215	195	900	110	1,010
2013	300	215	235	220	970	110	1,080
<b>June 1</b>							
2009	325	285	160	180	950	110	1,060
2010	310	270	190	190	960	110	1,070
2011	300	250	190	190	930	110	1,040
2012	280	220	205	205	910	110	1,020
2013	290	240	190	210	930	110	1,040
<b>September 1</b>							
2009	330	265	160	195	950	110	1,060
2010	310	280	200	200	990	110	1,100
2011	300	260	215	215	990	110	1,100
2012	300	220	215	195	930	110	1,040
<b>December 1</b>							
2009	335	270	165	200	970	110	1,080
2010	300	240	190	200	930	110	1,040
2011	300	200	220	220	940	110	1,050
2012	300	210	230	240	980	110	1,090



**Hogs and pigs: Sows farrowing and pig crop, 2008-2013**

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>
2009	53	9.70	514	54	9.65	521
2010	54	9.80	529	53	9.70	514
2011	51	9.80	500	53	10.00	530
2012	50	9.90	495	51	10.10	515
2013	55	10.25	564	53	10.20	541
	June-August			September-November		
2008	53	9.25	490	53	9.65	512
2009	56	9.60	538	56	9.80	549
2010	52	9.90	515	52	9.90	515
2011	52	10.00	520	52	10.00	520
2012	52	10.10	525	53	10.20	541

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

**Hogs and pigs: Balance sheet, 2008-2012**

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>
2008	1,030	2,007	172	2,097	4	78	1,030
2009	1,030	2,122	205	2,205	4	68	1,080
2010	1,080	2,073	237	2,269	3	78	1,040
2011	1,040	2,070	264	2,252	2	70	1,050
2012	1,050	2,076	228	2,201	2	61	1,090

<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.

**Hogs and pigs: Production and income, 2008-2012**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	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>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2008	575,459	579,740	243,828	249,776	455	250,231
2009	606,284	611,060	223,212	229,505	396	229,901
2010	619,869	629,620	307,117	319,388	401	319,789
2011	618,558	624,110	405,044	419,148	662	419,810
2012	549,456	547,316	350,352	356,555	799	357,354

<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.

## Honey

Michigan honey production for 2012 totaled 4.33 million pounds, down 9 percent from 2011. This estimate included honey from producers with 5 or more colonies. Yields from Michigan's 76,000 colonies producing honey averaged 57 pounds in 2012, compared with 64 pounds the previous year.

Michigan honey price averaged \$2.03 per pound, up 22 cents per pound from 2011. The value of production was \$8.79 million, up 3 percent from 2011. Honey stocks were 1.39 million pounds, down 33 percent from 2011.

**Honey: Production and value, 2008-2012**<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>
2008	71	73	5,183	144	7,464	2,021
2009	66	60	3,960	155	6,138	1,505
2010	71	58	4,118	167	6,877	1,524
2011	74	64	4,736	181	8,572	2,084
2012	76	57	4,332	203	8,794	1,386

<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, 2009-2013**

Year	2009	2010	2011	2012	2013
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Pelts produced	45,300	40,500	43,200	( <sup>1</sup> )	( <sup>1</sup> )
Females bred to produce kits	10,900	11,100	11,750	13,400	( <sup>1</sup> )

<sup>1</sup> Published in July 2014.

## Poultry

The value of production in Michigan from eggs during 2012 was \$229.7 million, up 21 percent from a year earlier. Egg production totaled 3.46 billion eggs, up 15 percent from 2011. The average number of layers in 2012 was 11.9 million, up 14 percent from 2011.

### Chickens: Layers on hand, December 1, 2008-2012

Class	2008	2009	2010	2011	2012
	<i>1,000 birds</i>				
Total layers	9,638	10,384	10,432	10,999	12,336
Pullets not of laying age	1,890	2,157	2,658	2,714	2,811
Other chickens	1	2	2	0	3
All chickens (excluding broilers)	11,529	12,543	13,092	13,713	15,150

### All eggs: Production and value, 2008-2012 <sup>1</sup>

Year	Eggs produced	Value of production
	<i>Million</i>	<i>1,000 dollars</i>
2008	2,653	211,524
2009	2,784	149,883
2010	2,912	162,789
2011	3,005	189,442
2012	3,460	229,689

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

### All egg production, by month, 2008-2012

Month	2008	2009	2010	2011	2012
	<i>Million eggs</i>				
December	225	236	246	252	272
January	217	236	242	246	285
February	204	213	222	229	266
March	226	237	252	261	288
April	215	221	247	258	287
May	216	227	243	255	302
June	213	228	224	242	289
July	226	238	245	256	298
August	227	244	252	247	292
September	221	233	243	239	279
October	233	237	250	259	295
November	230	234	246	261	296
Total <sup>1</sup>	2,653	2,784	2,912	3,005	3,460

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

**All layers: Average number on hand during the month, 2008-2012**

Month	2008	2009	2010	2011	2012
	<i>1,000 birds</i>				
December	9,082	9,594	10,232	10,207	10,796
January	9,032	9,601	10,225	10,269	11,240
February	9,134	9,610	10,325	10,298	11,377
March	9,189	9,830	10,273	10,422	11,758
April	9,149	9,790	10,216	10,496	12,144
May	9,117	9,787	10,132	10,352	12,141
June	9,257	9,952	10,121	10,287	11,931
July	9,331	9,656	10,099	10,175	11,923
August	9,230	9,695	10,129	10,073	12,081
September	9,191	10,022	10,074	10,311	12,066
October	9,348	10,208	9,906	10,731	12,113
November	9,590	10,328	10,150	10,970	12,340
Annual <sup>1</sup>	9,221	9,839	10,157	10,383	11,856

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

## Sheep and Goats

All sheep and lamb inventory in Michigan on January 1, 2013, was estimated at 82,000 head, up 3,000 head from the previous year. The breeding sheep inventory was 59,000 head; market sheep and lambs totaled 23,000 head. The 2012 Michigan lamb crop was 65,000 head, up 1,000 from 2011. Sheep shorn in 2012 totaled 70,000 head, up 4,000 from 2011. The weight per fleece was 5.6

pounds, and wool production was 390,000 pounds. Wool production was valued at \$265,000.

There were 9,600 milk goats on January 1, 2013, down 400 from a year earlier. The number of goats in the meat and other category rose to 18,500 head from 18,000 head on January 1, 2012.

### Sheep and lambs: Number on farms by class, January 1, 2009-2013

Class	2009	2010	2011	2012	2013
	<i>1,000 Head</i>				
Breeding sheep 1 year and older					
Ewes	47	46	44	43	43
Rams	3	3	3	3	3
Replacement lambs	10	12	11	12	13
Total market sheep and lambs	18	19	16	21	23
All sheep and lambs	78	80	74	79	82

### Sheep and lambs: Lamb crop, 2008-2012

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>
2008	48	135	65
2009	47	138	65
2010	46	130	60
2011	44	145	64
2012	43	151	65

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

**Sheep and lambs: Wool production and value, 2008-2012**

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value of production
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Cents</i>	<i>1,000 Dollars</i>
2008	67	6.0	400	34	136
2009	62	6.1	380	43	163
2010	63	6.0	380	55	209
2011	66	6.2	410	60	246
2012	70	5.6	390	68	265

**Goats: Number by class, January 1, 2009-2013**

Year	Milk	Meat and other
	<i>Head</i>	<i>Head</i>
2009	9,100	13,500
2010	10,900	16,000
2011	10,800	14,500
2012	10,000	18,000
2013	9,600	18,500

## Trout

The value of all trout sold and distributed in Michigan was \$1,822,000 in 2012. This is down 16 percent from 2011. There were 230,000 fish sold, up 10,000 from the previous year. The average price was \$3.26 per pound, up 46 cents from a year earlier.

**Trout: Sales, 12 inches or longer, 2008-2012**

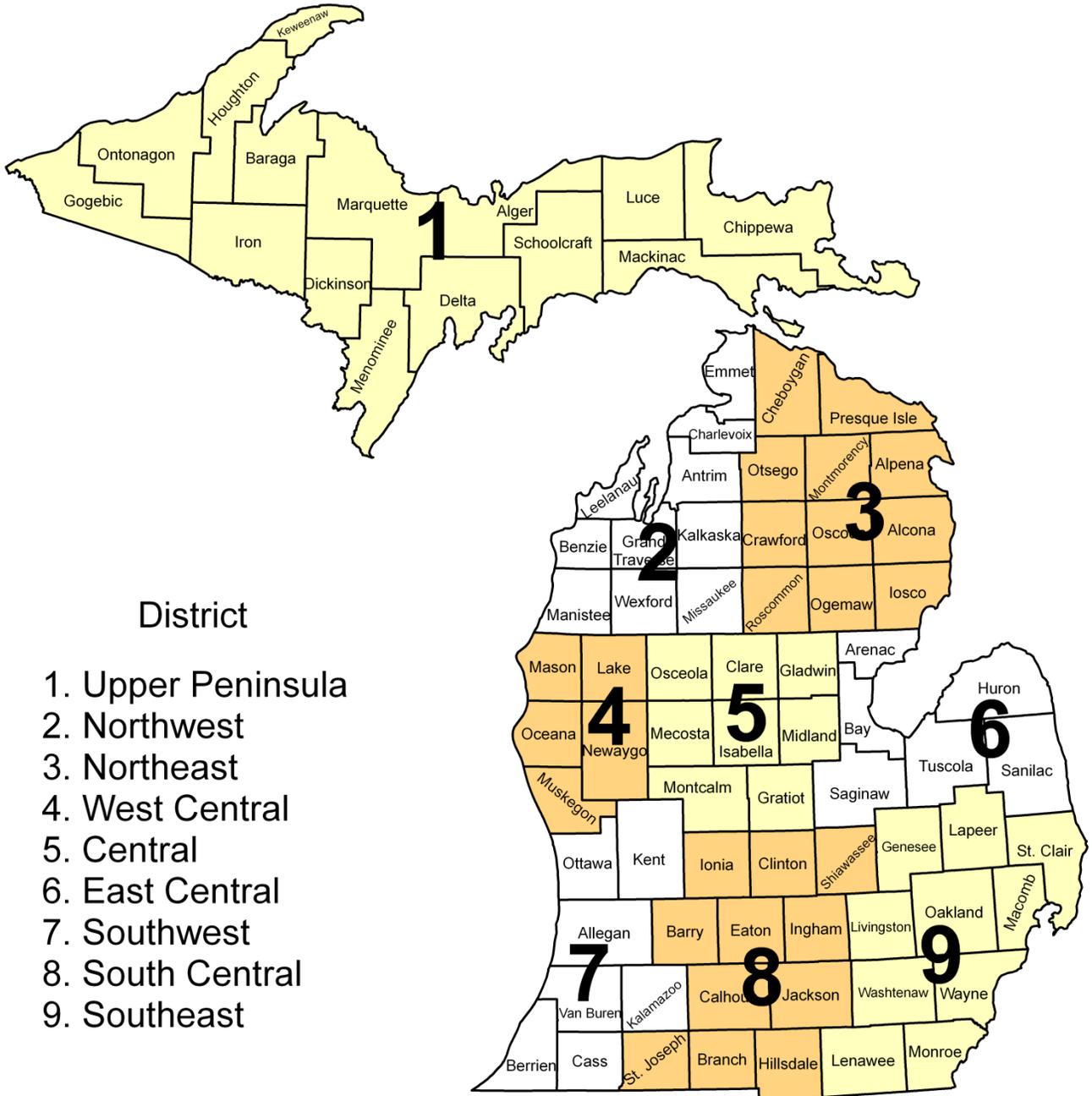
Year	Number of fish sold	Live weight	Sales	
			Total	Average per pound
	<i>1,000</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>Dollars</i>
2008	300	296	864	2.92
2009	300	340	751	2.21
2010	260	283	594	2.10
2011	220	214	599	2.80
2012	230	251	818	3.26

**Trout: Value of Fish Sold, Distributed & Lost, 2008-2012**

Year	Total Value of Fish Sold	Total Value of Distributed Fish	Trout Lost, Intended for Sale	
			Number Lost	Pounds Lost
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000</i>	<i>1,000</i>
2008	1,027	1,078	144	75
2009	933	1,607	203	76
2010	770	1,181	170	44
2011	831	1,331	227	42
2012	933	889	194	36

# Agricultural Statistics Districts

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



**Principal counties for field crops, 2012 <sup>1</sup>**

Rank	Corn for grain	Dry beans <sup>2</sup>	Hay <sup>2</sup>	Oats	Soybeans	Sugarbeets	Wheat
1	Saginaw	Huron	Sanilac	Presque Isle	Sanilac	Huron	Huron
2	Sanilac	Tuscola	Osceola	Isabella	Saginaw	Sanilac	Sanilac
3	Gratiot	Sanilac	Isabella	Delta	Gratiot	Tuscola	Tuscola
4	Huron	Bay	Lapeer	Alpena	Lenawee	Saginaw	Lenawee
5	Tuscola	Montcalm	Ottawa	Huron	Shiawassee	Bay	Gratiot

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

<sup>2</sup> Based on 2007 Census of Agriculture

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

Rank	January 1, 2013 Cattle and Calves	Hogs and pigs <sup>2</sup>	January 1, 2013 Milk cows
1	Huron	Allegan	Huron
2	Sanilac	Cass	Clinton
3	Ionia	Branch	Sanilac
4	Clinton	Gratiot	Allegan
5	Allegan	Ottawa	Ionia

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

<sup>2</sup> Based on 2007 Census of Agriculture

**Principal counties for fruits and vegetables, 2007 <sup>1</sup>**

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

<sup>1</sup> Based on acres from 2007 Census of Agriculture.

**Corn: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup>**

County and district	2011				2012			
	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	3,600	2,700	76.3	206	(D)	(D)	(D)	(D)
Dickinson	1,200	600	80.0	48	(D)	(D)	(D)	(D)
Menominee	16,700	8,000	66.3	530	(D)	(D)	(D)	(D)
Other counties	2,200	700	80.0	56	27,000	18,500	107.6	1,990
<b>Upper Peninsula</b>	23,700	12,000	70.0	840	27,000	18,500	107.6	1,990
Antrim	4,200	3,000	114.7	344	4,800	4,000	92.5	370
Benzie	1,200	900	76.7	69				
Charlevoix	2,900	2,600	105.8	275	3,100	2,900	110.7	321
Emmet					1,300	700	117.1	82
Grand Traverse	7,900	6,900	102.2	705	8,700	7,500	70.0	525
Kalkaska	800	700	80.0	56				
Leelanau	3,000	2,600	74.6	194	2,800	2,000	48.5	97
Manistee					3,600	3,100	83.9	260
Missaukee	21,300	8,800	141.5	1,245	22,200	12,300	130.1	1,600
Wexford	5,600	4,700	113.8	535	6,200	4,900	75.5	370
Other counties	4,100	2,800	95.4	267	2,300	1,600	46.9	75
<b>Northwest</b>	51,000	33,000	111.8	3,690	55,000	39,000	94.9	3,700
Alcona	2,700	1,500	83.3	125	4,000	2,600	86.5	225
Alpena	6,100	5,300	112.3	595	7,800	6,500	107.7	700
Cheboygan	1,300	400	110.0	44				
Iosco	5,800	3,400	150.0	510	7,000	5,800	133.6	775
Montmorency	1,900	1,500	109.3	164	2,000	1,700	111.8	190
Ogemaw	12,600	9,200	142.9	1,315	14,100	11,600	123.3	1,430
Otsego	1,200	1,100	98.2	108	2,500	2,400	86.7	208
Presque Isle	6,000	4,300	124.4	535	6,800	6,500	138.5	900
Other counties	700	300	113.3	34	2,800	1,400	87.1	122
<b>Northeast</b>	38,300	27,000	127.0	3,430	47,000	38,500	118.2	4,550
Lake	1,700	1,300	138.5	180	2,200	1,700	123.5	210
Mason	14,500	10,800	128.7	1,390	17,300	15,300	137.9	2,110
Muskegon	17,900	14,900	140.3	2,090	19,500	15,000	116.0	1,740
Newaygo	29,100	22,800	128.5	2,930	32,000	24,000	136.7	3,280
Oceana	18,800	18,200	127.5	2,320	20,000	19,000	125.8	2,390
Other counties	4,100	2,800	95.4	267	2,300	1,600	46.9	75
<b>West Central</b>	82,000	68,000	131.0	8,910	91,000	75,000	129.7	9,730
Clare	5,500	4,000	122.5	490	6,500	5,200	128.8	670
Gladwin	9,300	8,500	156.5	1,330	9,400	8,300	151.8	1,260
Gratiot	94,000	80,500	155.5	12,520	99,000	87,000	173.0	15,050
Isabella	41,000	35,400	146.6	5,190	46,000	44,000	156.4	6,880
Mecosta	24,000	20,500	136.6	2,800	27,000	23,500	146.8	3,450
Midland	23,000	22,800	161.8	3,690	27,000	26,500	164.2	4,350
Montcalm	67,000	63,500	146.8	9,320	71,000	65,000	142.3	9,250
Osceola	11,200	6,800	139.7	950	14,100	9,500	135.8	1,290
<b>Central</b>	275,000	242,000	150.0	36,290	300,000	269,000	156.9	42,200
Arenac	17,000	15,500	160.6	2,490	18,500	18,000	147.2	2,650
Bay	57,000	55,000	169.3	9,310	57,500	57,000	162.3	9,250
Huron	122,000	87,000	175.6	15,280	125,000	101,000	145.5	14,700
Saginaw	97,000	93,000	150.2	13,970	103,000	102,000	156.9	16,000
Sanilac	110,000	87,000	161.8	14,080	117,000	97,000	159.8	15,500
Tuscola	87,000	84,500	156.4	13,220	89,000	88,000	161.4	14,200
<b>East Central</b>	490,000	422,000	162.0	68,350	510,000	463,000	156.2	72,300

See footnote(s) at end of table.

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**Corn: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup> (continued)**

County and district	2011				2012			
	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	84,000	74,000	175.3	12,970	84,000	73,000	119.9	8,750
Berrien	46,000	40,500	163.0	6,600	53,000	52,000	144.2	7,500
Cass	85,000	84,500	168.0	14,200	85,000	84,000	139.3	11,700
Kalamazoo	64,000	60,000	162.3	9,740	62,000	60,000	139.2	8,350
Kent	47,000	40,000	163.3	6,530	46,000	39,000	130.8	5,100
Ottawa	50,000	41,500	148.7	6,170	55,000	42,000	111.9	4,700
Van Buren	54,000	50,500	179.6	9,070	55,000	52,000	134.6	7,000
<b>Southwest</b>	430,000	391,000	167.0	65,280	440,000	402,000	132.1	53,100
Barry	43,000	31,500	153.0	4,820	47,000	39,000	121.8	4,750
Branch	90,000	78,500	156.4	12,280	88,000	85,000	113.5	9,650
Calhoun	85,000	80,500	144.5	11,630	82,000	73,000	87.7	6,400
Clinton	78,000	59,000	151.9	8,960	80,000	61,000	150.0	9,150
Eaton	57,000	55,000	147.5	8,110	68,000	66,000	125.0	8,250
Hillsdale	74,000	65,000	139.4	9,060	70,000	64,000	113.3	7,250
Ingham	56,000	54,500	148.4	8,090	58,000	54,000	121.3	6,550
Ionia	81,000	67,000	165.1	11,060	88,000	70,000	141.4	9,900
Jackson	58,000	51,500	130.1	6,700	58,000	53,000	79.2	4,200
St Joseph	92,000	83,500	163.1	13,620	97,000	96,000	140.6	13,500
Shiawassee	56,000	52,000	141.5	7,360	64,000	61,000	140.2	8,550
<b>South Central</b>	770,000	678,000	150.0	101,690	800,000	722,000	122.1	88,150
Genesee	27,000	25,000	134.4	3,360	33,000	32,500	135.4	4,400
Lapeer	35,000	32,000	139.1	4,450	40,000	39,000	151.3	5,900
Lenawee	102,000	94,500	149.6	14,140	112,000	104,000	101.0	10,500
Livingston	20,500	18,600	139.5	2,595	24,000	22,500	127.1	2,860
Macomb	12,000	11,100	149.5	1,660	15,000	14,500	167.6	2,430
Monroe	65,000	63,400	156.6	9,930	69,000	67,000	102.2	6,850
Oakland	1,800	1,700	129.4	220	3,000	2,800	121.4	340
St Clair	32,000	29,000	145.5	4,220	36,000	35,300	155.8	5,500
Washtenaw	43,000	40,000	144.5	5,780	46,000	43,500	73.8	3,210
Wayne	1,700	1,700	138.2	235	2,000	1,900	84.2	160
<b>Southeast</b>	340,000	317,000	147.0	46,590	380,000	363,000	116.1	42,150
<b>Michigan</b>	2,500,000	2,190,000	153.0	335,070	2,650,000	2,390,000	133.0	317,870

<sup>1</sup> Counties not listed are not published due to insufficient data or to avoid disclosure of individual operations.

**Dry edible beans, all: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup>**

County and district	2011				2012			
	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>
Gratiot	5,900	5,700	1,680	96,000				
Midland	2,900	2,600	1,960	51,000				
Montcalm	7,000	6,900	1,610	111,000				
<b>Central</b>	20,900	20,300	1,700	345,000				
Bay	16,000	15,900	1,800	286,000	20,000	19,800	1,570	311,000
Huron	58,500	58,200	2,250	1,309,000	71,500	70,800	1,850	1,312,000
Sanilac	18,500	18,400	1,990	367,000	24,000	23,300	1,870	436,000
Tuscola	32,000	31,900	2,000	639,000	37,000	36,800	1,770	652,000
Other counties	10,000	9,800	2,130	209,000	11,500	11,300	1,760	199,000
<b>East Central</b>	135,000	134,200	2,090	2,810,000	164,000	162,000	1,800	2,910,000
Other counties	1,900	1,900	2,100	39,900				
<b>Southeast</b>	1,900	1,900	2,100	39,900				
<b>Other districts</b>	11,000	10,500	1,350	142,000	36,000	35,000	1,760	616,000
<b>Michigan</b>	170,000	168,000	2,000	3,360,000	200,000	197,000	1,790	3,526,000

(D) Withheld to avoid disclosing data for individual farms

<sup>1</sup> Counties not listed are not published due to insufficient data or to avoid disclosure of individual operations.

**Oats: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup>**

County and district	2011				2012			
	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	700	500	56.0	28.0	(D)	(D)	(D)	(D)
Delta	1,100	1,000	70.0	70.0	(D)	(D)	(D)	(D)
Dickinson	500	500	45.0	22.5	(D)	(D)	(D)	(D)
Menominee	1,100	800	65.0	52.0	(D)	(D)	(D)	(D)
Other counties	2,600	2,000	58.8	117.5	(D)	(D)	(D)	(D)
<b>Upper Peninsula</b>	6,000	4,800	60.4	290.0	(D)	(D)	(D)	(D)
Antrim	600	300	52.0	15.6	(D)	(D)	(D)	(D)
Grand Traverse	1,000	800	60.0	48.0	(D)	(D)	(D)	(D)
Manistee	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missaukee	900	500	65.0	32.5	(D)	(D)	(D)	(D)
Wexford	600	500	60.6	30.3	(D)	(D)	(D)	(D)
Other counties	1,400	1,100	57.8	63.6	(D)	(D)	(D)	(D)
<b>Northwest</b>	4,500	3,200	59.4	190.0	(D)	(D)	(D)	(D)
Iosco	700	600	73.0	43.8	(D)	(D)	(D)	(D)
Presque Isle	2,100	1,900	67.4	128.0	(D)	(D)	(D)	(D)
Other counties	3,700	2,600	60.8	158.2	(D)	(D)	(D)	(D)
<b>Northeast</b>	6,500	5,100	64.7	330.0	(D)	(D)	(D)	(D)
Mason	500	400	70.0	28.0	(D)	(D)	(D)	(D)
Newaygo	500	300	50.0	15.0	(D)	(D)	(D)	(D)
Other counties	1,000	800	67.5	54.0	(D)	(D)	(D)	(D)
<b>West Central</b>	2,000	1,500	64.7	97.0	(D)	(D)	(D)	(D)
Clare	600	600	62.5	37.5	(D)	(D)	(D)	(D)
Isabella	1,300	1,200	69.0	82.8	(D)	(D)	(D)	(D)
Mecosta	1,600	1,400	60.0	84.0	(D)	(D)	(D)	(D)
Montcalm	1,900	800	56.0	44.8	(D)	(D)	(D)	(D)
Osceola	700	600	54.0	32.4	(D)	(D)	(D)	(D)
Other counties	900	600	70.8	42.5	(D)	(D)	(D)	(D)
<b>Central</b>	7,000	5,200	62.3	324.0	(D)	(D)	(D)	(D)

See footnote(s) at end of table.

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**Oats: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup> (continued)**

County and district	2011				2012			
	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>
Huron	900	800	84.0	67.2	(D)	(D)	(D)	(D)
Sanilac	1,300	1,200	83.3	100.0	(D)	(D)	(D)	(D)
Other counties	1,800	1,200	79.8	95.8	(D)	(D)	(D)	(D)
<b>East Central</b>	4,000	3,200	82.2	263.0	(D)	(D)	(D)	(D)
Allegan	800	700	70.0	49.0	(D)	(D)	(D)	(D)
Other counties	1,700	1,300	66.2	86.0	(D)	(D)	(D)	(D)
<b>Southwest</b>	2,500	2,000	67.5	135.0	(D)	(D)	(D)	(D)
Ionia	600	500	63.2	31.6	(D)	(D)	(D)	(D)
Shiawassee	500	300	66.7	20.0	(D)	(D)	(D)	(D)
Other counties	3,900	2,400	60.6	145.4	(D)	(D)	(D)	(D)
<b>South Central</b>	5,000	3,200	61.6	197.0	(D)	(D)	(D)	(D)
Other counties	2,500	1,800	52.2	94.0	(D)	(D)	(D)	(D)
<b>Southeast</b>	2,500	1,800	52.2	94.0	(D)	(D)	(D)	(D)
<b>Michigan</b>	40,000	30,000	64.0	1,920.0	50,000	35,000	60.0	2,100.0

(D) Withheld to avoid disclosing data for individual farms. Counties not published are included in 'other counties' or 'other district' total.

(-) No reports of commodity grown.

**Soybeans: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup>**

County and district	2011				2012			
	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>
Alpena	6,400	6,300	31.3	197	7,700	7,600	34.3	261
Iosco	2,300	2,300	33.7	78	2,700	2,700	43.3	117
Montmorency	3,200	3,100	31.4	97				
Ogemaw					2,400	2,400	47.9	115
Otsego					600	500	25.0	13
Presque Isle	5,700	5,400	32.0	173	7,300	7,200	33.6	242
Other counties	3,700	3,400	39.8	135	5,300	5,100	33.8	173
<b>Northeast</b>	<b>21,300</b>	<b>20,500</b>	<b>33.2</b>	<b>26</b>	<b>26,000</b>	<b>25,500</b>	<b>36.1</b>	<b>920</b>
Mason	4,500	4,300	39.8	171	5,100	5,000	46.2	231
Muskegon	7,400	7,300	45.9	335	7,200	7,100	40.4	287
Newaygo	4,800	4,700	43.0	202	5,800	5,800	41.9	243
Other counties	3,900	3,800	45.3	172	3,900	3,800	39.2	149
<b>West Central</b>	<b>20,600</b>	<b>20,100</b>	<b>43.8</b>	<b>880</b>	<b>22,000</b>	<b>21,700</b>	<b>41.9</b>	<b>910</b>
Clare	3,800	3,700	34.9	129	3,900	3,800	48.7	185
Gladwin	7,000	6,900	45.9	317	7,700	7,600	53.2	404
Gratiot	79,000	78,300	45.5	3,565	78,000	77,700	53.3	4,140
Isabella	47,500	47,400	45.9	2,177	51,000	50,900	56.9	2,896
Mecosta					4,100	4,000	32.8	131
Midland	22,000	21,900	46.1	1,010	21,000	20,900	52.8	1,104
Montcalm	22,000	21,900	42.3	927	23,000	22,900	43.3	992
Osceola					1,300	1,200	40.0	48
Other counties	3,700	3,400	30.9	105				
<b>Central</b>	<b>185,000</b>	<b>183,500</b>	<b>44.9</b>	<b>8,230</b>	<b>190,000</b>	<b>189,000</b>	<b>52.4</b>	<b>9,900</b>
Arenac	15,000	15,000	43.7	655	16,000	15,900	50.9	810
Bay	39,000	38,900	48.1	1,870	41,000	40,900	50.6	2,070
Huron	56,000	55,900	48.3	2,700	51,000	50,900	50.5	2,570
Saginaw	97,000	96,700	42.3	4,090	100,000	99,800	50.8	5,070
Sanilac	122,000	121,700	42.9	5,215	125,000	124,800	47.0	5,870
Tuscola	71,000	70,800	42.7	3,020	67,000	66,700	51.7	3,450
<b>East Central</b>	<b>400,000</b>	<b>399,000</b>	<b>44.0</b>	<b>17,550</b>	<b>400,000</b>	<b>399,000</b>	<b>49.7</b>	<b>19,840</b>
Allegan	41,000	40,900	48.2	1,970	41,000	40,700	39.3	1,600
Berrien					41,000	40,700	45.7	1,860
Cass	41,000	40,900	41.8	1,710	40,000	39,900	43.4	1,730
Kalamazoo	27,000	26,900	47.6	1,280	29,000	28,600	36.7	1,050
Kent	22,000	21,800	45.9	1,000	25,000	24,900	43.8	1,090
Ottawa	22,000	21,900	44.7	980	24,000	23,800	37.6	895
Van Buren					20,000	19,900	38.9	775
Other counties	62,000	61,600	41.9	2,580				
<b>Southwest</b>	<b>215,000</b>	<b>214,000</b>	<b>44.5</b>	<b>9,520</b>	<b>220,000</b>	<b>218,500</b>	<b>41.2</b>	<b>9,000</b>
Barry	28,000	27,900	44.8	1,250	30,000	29,700	41.2	1,225
Branch	70,000	69,900	45.5	3,180	70,000	69,800	41.8	2,920
Calhoun	69,000	68,800	45.2	3,110	76,000	75,200	32.0	2,410
Clinton	72,000	71,900	45.2	3,250	69,000	68,900	47.3	3,260
Eaton	70,000	69,700	43.5	3,030	72,000	71,800	40.5	2,910
Hillsdale	70,000	69,800	44.0	3,070	79,000	78,800	39.8	3,140
Ingham	52,000	51,700	46.0	2,380	53,000	52,800	39.2	2,070
Ionia	58,000	57,600	48.4	2,790	56,000	55,800	50.5	2,820
Jackson	41,000	40,900	40.3	1,650	46,000	45,700	29.1	1,330
St Joseph	48,000	47,900	48.4	2,320	46,000	45,800	45.2	2,070
Shiawassee	81,000	80,900	41.3	3,340	83,000	82,700	45.3	3,745
<b>South Central</b>	<b>659,000</b>	<b>657,000</b>	<b>44.7</b>	<b>29,370</b>	<b>680,000</b>	<b>677,000</b>	<b>41.2</b>	<b>27,900</b>

See footnote(s) at end of table.

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**Soybeans: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup> (continued)**

County and district	2011				2012			
	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	42,000	41,600	37.3	1,550	41,000	40,900	42.5	1,740
Lapeer	48,000	47,800	41.8	2,000	47,000	46,900	43.5	2,040
Lenawee	110,000	110,000	46.3	5,090	120,000	119,900	34.2	4,100
Livingston	19,000	18,900	41.8	790	18,000	17,800	41.2	733
Macomb	27,000	26,900	42.6	1,145	26,000	25,900	43.6	1,130
Monroe	77,000	76,300	44.8	3,420	76,000	75,300	35.3	2,655
Oakland	4,000	4,000	40.0	160	3,000	3,000	36.7	110
St Clair	66,000	65,700	41.1	2,700	70,000	69,800	44.2	3,086
Washtenaw	45,000	44,900	43.1	1,935	48,000	47,600	23.4	1,114
Wayne	3,000	2,900	41.4	120	4,000	3,900	23.6	92
<b>Southeast</b>	441,000	439,000	43.1	18,910	453,000	451,000	37.3	16,800
Other districts	8,100	6,900	31.9	220	9,000	8,300	36.1	300
<b>Michigan</b>	1,950,000	1,940,000	44.0	85,360	2,000,000	1,990,000	43.0	85,570

<sup>1</sup> Counties not listed are not published due to insufficient data or to avoid disclosure of individual operations.

**Sugarbeets: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup>**

County and district	2011				2012			
	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>
Other counties	600	600	19.3	11.6	(D)	(D)	(D)	(D)
<b>Northeast</b>	600	600	19.3	11.6	(D)	(D)	(D)	(D)
Gladwin	600	600	19.3	11.6	700	700	23.9	16.7
Gratiot	10,500	10,500	19.7	207.0	9,100	9,000	27.8	250.0
Isabella					700	700	24.3	17.0
Midland	3,100	3,100	21.1	65.5	3,300	3,200	27.7	88.7
Montcalm	600	600	24.5	14.7	700	700	29.4	20.6
Other counties	700	700	23.1	16.2	-	-	-	-
<b>Central</b>	15,500	15,500	20.3	315.0	14,500	14,300	27.5	393.0
Arenac	3,000	3,000	23.0	69.0	3,200	3,200	26.6	85.0
Bay	14,200	14,200	22.7	323.0	14,000	13,800	28.4	392.0
Huron	51,100	51,100	25.3	1,291.0	51,400	51,000	28.7	1,465.0
Saginaw	15,800	15,800	23.9	377.0	16,300	16,100	30.2	487.0
Sanilac	26,900	26,900	24.9	671.0	28,400	28,400	29.5	837.0
Tuscola	19,000	19,000	25.3	480.0	19,700	19,700	30.8	606.0
<b>East Central</b>	130,000	130,000	24.7	3,211.0	133,000	132,200	29.3	3,872.0
Shiawassee	1,800	1,800	18.3	33.0	(D)	(D)	(D)	(D)
Other counties	1,600	1,600	21.3	34.0	(D)	(D)	(D)	(D)
<b>South Central</b>	3,400	3,400	19.7	67.0	(D)	(D)	(D)	(D)
Genesee	400	400	23.8	9.5	(D)	(D)	(D)	(D)
Lapeer	1,900	1,900	16.6	31.6	(D)	(D)	(D)	(D)
St Clair	1,200	1,200	21.9	26.3	(D)	(D)	(D)	(D)
Other counties	-	-	-	-	2,800	2,800	27.1	76.0
<b>Southeast</b>	3,500	3,500	19.3	67.4	2,800	2,800	27.1	76.0
Other districts	-	-	-	-	3,700	3,700	25.9	96.0
<b>Michigan</b>	153,000	153,000	24.0	3,672.0	154,000	153,000	29.0	4,437.0

(D) Withheld to avoid disclosing data for individual farms.

<sup>1</sup> Counties not listed are not published due to insufficient data or to avoid disclosure of individual operations.

**Wheat: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup>**

County and district	2011				2012			
	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>
Other counties	2,000	1,500	50.7	76.0	(D)	(D)	(D)	(D)
<b>Upper Peninsula</b>	2,000	1,500	50.7	76.0	(D)	(D)	(D)	(D)
Antrim	900	800	61.3	49.0	(D)	(D)	(D)	(D)
Grand Traverse	1,500	1,400	50.0	70.0	(D)	(D)	(D)	(D)
Kalkaska	1,000	820	78.0	64.0	(D)	(D)	(D)	(D)
Missaukee	800	700	62.9	44.0	(D)	(D)	(D)	(D)
Other counties	800	780	50.0	39.0	(D)	(D)	(D)	(D)
<b>Northwest</b>	5,000	4,500	59.1	266.0	(D)	(D)	(D)	(D)
Alcona	1,600	1,500	70.7	106.0	(D)	(D)	(D)	(D)
Alpena	3,500	3,500	64.0	224.0	(D)	(D)	(D)	(D)
Iosco	1,800	1,800	76.7	138.0	(D)	(D)	(D)	(D)
Ogemaw	2,600	2,600	71.9	187.0	(D)	(D)	(D)	(D)
Otsego	900	800	55.0	44.0	(D)	(D)	(D)	(D)
Presque Isle	3,600	3,500	46.0	161.0	(D)	(D)	(D)	(D)
Other counties	1,000	800	43.8	35.0	(D)	(D)	(D)	(D)
<b>Northeast</b>	15,000	14,500	61.7	895.0	(D)	(D)	(D)	(D)
Mason	5,800	5,600	62.3	349.0	(D)	(D)	(D)	(D)
Muskegon	3,300	2,800	80.4	225.0	(D)	(D)	(D)	(D)
Oceana	2,500	2,300	63.5	146.0	(D)	(D)	(D)	(D)
Other counties	3,400	3,300	74.5	246.0	(D)	(D)	(D)	(D)
<b>West Central</b>	15,000	14,000	69.0	966.0	(D)	(D)	(D)	(D)
Gladwin	2,000	1,600	63.8	102.0	(D)	(D)	(D)	(D)
Gratiot	25,000	24,700	74.6	1,843.0	(D)	(D)	(D)	(D)
Isabella	21,500	21,200	80.4	1,705.0	(D)	(D)	(D)	(D)
Mecosta	2,300	2,200	50.9	112.0	(D)	(D)	(D)	(D)
Midland	6,000	5,800	81.2	471.0	(D)	(D)	(D)	(D)
Montcalm	15,000	14,900	62.1	925.0	(D)	(D)	(D)	(D)
Other counties	2,200	2,100	56.2	118.0	(D)	(D)	(D)	(D)
<b>Central</b>	74,000	72,500	72.8	5,276.0	(D)	(D)	(D)	(D)

See footnote(s) at end of table.

--continued

**Wheat: Acreage, yield, and production, by county, 2011-2012 <sup>1</sup> (continued)**

County and district	2011				2012			
	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>
Arenac	10,000	9,900	76.6	758	(D)	(D)	(D)	(D)
Bay	18,000	17,900	85.1	1,523	(D)	(D)	(D)	(D)
Huron	70,000	64,000	90.8	5,810	(D)	(D)	(D)	(D)
Saginaw	29,000	28,500	83.7	2,385	(D)	(D)	(D)	(D)
Sanilac	64,000	63,000	75.7	4,770	(D)	(D)	(D)	(D)
Tuscola	39,000	38,700	82.1	3,179	(D)	(D)	(D)	(D)
<b>East Central</b>	230,000	222,000	83.0	18,425	(D)	(D)	(D)	(D)
Allegan	10,400	10,300	74.9	771	(D)	(D)	(D)	(D)
Berrien	4,700	4,500	70.7	318	(D)	(D)	(D)	(D)
Cass	4,400	4,400	67.7	298	(D)	(D)	(D)	(D)
Kent	8,100	7,900	67.5	533	(D)	(D)	(D)	(D)
Ottawa	7,400	7,100	68.0	483	(D)	(D)	(D)	(D)
Other counties	8,000	5,800	65.2	378	(D)	(D)	(D)	(D)
<b>Southwest</b>	43,000	40,000	69.5	2,781	(D)	(D)	(D)	(D)
Barry	7,300	7,100	69.7	495	(D)	(D)	(D)	(D)
Calhoun	9,100	8,900	66.1	588	(D)	(D)	(D)	(D)
Clinton	24,000	23,800	80.5	1,916	(D)	(D)	(D)	(D)
Eaton	21,000	20,900	76.0	1,588	(D)	(D)	(D)	(D)
Hillsdale	17,000	16,900	66.0	1,115	(D)	(D)	(D)	(D)
Ingham	19,000	18,900	79.6	1,505	(D)	(D)	(D)	(D)
Ionia	16,000	15,900	76.9	1,222	(D)	(D)	(D)	(D)
Jackson	9,500	9,400	65.7	618	(D)	(D)	(D)	(D)
Shiawassee	32,000	31,800	72.9	2,318	(D)	(D)	(D)	(D)
Other counties	13,100	11,400	71.1	810	(D)	(D)	(D)	(D)
<b>South Central</b>	168,000	165,000	73.8	12,175	(D)	(D)	(D)	(D)
Genesee	10,500	10,400	59.6	620	(D)	(D)	(D)	(D)
Lapeer	12,000	11,800	68.1	803	(D)	(D)	(D)	(D)
Lenawee	43,000	42,500	75.2	3,195	(D)	(D)	(D)	(D)
Livingston	9,000	8,800	64.2	565	(D)	(D)	(D)	(D)
Macomb	5,300	5,200	50.0	260	(D)	(D)	(D)	(D)
Monroe	29,000	28,800	72.6	2,090	(D)	(D)	(D)	(D)
Oakland	2,000	1,900	75.8	144	(D)	(D)	(D)	(D)
St Clair	18,500	18,200	66.2	1,205	(D)	(D)	(D)	(D)
Washtenaw	18,000	17,800	69.3	1,233	(D)	(D)	(D)	(D)
Wayne	700	600	41.7	25	(D)	(D)	(D)	(D)
<b>Southeast</b>	148,000	146,000	69.5	10,140	(D)	(D)	(D)	(D)
<b>Michigan</b>	700,000	680,000	75.0	51,000	570,000	540,000	76.0	41,040

(D) Withheld to avoid disclosing data for individual farms. Counties not published are included in 'other counties' or 'other district' total.

(-) No reports of commodity grown.

### Cropland and Pasture Cash Rents 2011-2012

County and district	2011			2012		
	Non-irrigated	Irrigated	Pasture	Non-irrigated	Irrigated	Pasture
	<i>Dollars per acre</i>					
Chippewa	15.00			14.00		
Delta	25.00			24.00		
Menominee	17.50			17.50		
Other counties	18.00			18.00		
<b>Upper Peninsula</b>	19.00			18.50		
Antrim	20.50			26.50		
Charlevoix	20.50			20.00		
Emmet	19.50			19.00		
Grand Traverse	31.50			32.50		
Leelanau	41.00			55.50		
Manistee	22.00			24.00		
Missaukee	52.00			61.00		
Wexford	24.50			32.50		
Other counties	19.00			22.00		
<b>Northwest</b>	33.50			39.00		
Alcona	25.00			23.00		
Alpena	28.00			27.50		
Cheboygan	18.00			27.00		
Iosco	23.00			27.50		
Ogemaw	29.00			32.50		
Otsego				28.50		
Presque Isle	28.00			28.00		
Other counties	22.50			23.50		
<b>Northeast</b>	26.00			28.00		
Mason	44.00			50.50		
Muskegon	62.00			74.00	113.00	
Newaygo					152.00	
Oceana	62.00			62.00		
Other counties	41.00	95.00		68.00	111.00	
<b>West Central</b>	52.00	95.00		62.00	128.00	
Clare	38.00			38.00		
Gladwin	40.00			61.50		
Gratiot	105.00			131.00		
Isabella	63.00			63.00		
Mecosta	35.00			50.00		
Midland	85.00			94.00		
Montcalm	56.00			64.50		
Osceola	28.00			35.50		
<b>Central</b>	68.00			81.00		

**Cropland and Pasture Cash Rents 2011-2012**

County and district	2011			2012		
	Non-irrigated	Irrigated	Pasture	Non-irrigated	Irrigated	Pasture
	<i>Dollars per acre</i>					
Arenac	61.00			88.50		
Bay	99.00			117.00		
Huron	145.00			176.00		
Saginaw	116.00			121.00		
Sanilac	72.00			72.00		
Tuscola	109.00			145.00		
<b>East Central</b>	104.00		28.50	127.00		
Allegan	104.00	175.00		140.00		29.00
Berrien	85.00			84.50		
Cass	95.00	221.00	33.00	106.00	271.00	
Kalamazoo	84.00	196.00		94.50	250.00	30.00
Kent	90.00		27.00	95.00		32.50
Ottawa	65.00	170.00		104.00	173.00	35.00
Van Buren	75.00	155.00	33.00	95.50		26.50
Other counties		163.00	32.00		216.00	32.00
<b>Southwest</b>	89.00	196.00	31.50	106.00	228.00	31.00
Barry	87.00			86.50		
Branch	93.00			102.00	211.00	
Calhoun	89.00			89.00		
Clinton	109.00			122.00		
Eaton	82.00			103.00		
Hillsdale	92.00			105.00		
Ingham	76.00			104.00		
Ionia	97.50			127.00	168.00	
Jackson	71.00			78.50		
St Joseph	90.00			90.00	262.00	
Shiawassee	71.00			89.00		
Other counties		184.00			179.00	
<b>South Central</b>	88.00	184.00		101.00	240.00	
Genesee	60.50			69.50		
Lapeer	63.00			63.00		
Lenawee	135.00			146.00	245.00	
Livingston	58.00			69.00		
Macomb	55.00			65.00	100.00	
Monroe	130.00			130.00		
St Clair	54.00			54.00		
Washtenaw	58.00			68.00		
Other counties	66.50			65.50	154.00	
<b>Southeast</b>	91.50			99.00	166.00	
<b>Other Districts</b>		131.00	32.50		151.00	32.00
<b>Michigan</b>	85.00	170.00	25.00	100.00	210.00	25.00

(D) Withheld to avoid disclosing data for individual farms. County rates for unpublished counties are included in 'other counties' or 'other district' total.

**Cattle: January 1, by county, 2012-2013**

County	All cattle and calves		Milk cows		County	All cattle and calves		Milk cows	
	2012	2013	2012	2013		2012	2013	2012	2013
	<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>		<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>
Alcona	5,700	5,700	1,600	1,600	Manistee	2,600	2,700	(D)	(D)
Alger	2,000	1,900	(D)	(D)	Marquette	2,400	2,400	700	800
Allegan	47,500	48,000	21,000	21,000	Mason	8,900	9,000	2,500	2,500
Alpena	10,400	10,500	3,500	3,500	Mecosta	14,800	14,900	4,700	4,800
Antrim	3,900	3,900	600	600	Menominee	20,000	20,000	7,300	7,500
Arenac	7,100	7,200	3,100	3,100	Midland	7,900	8,000	(D)	(D)
Barry	28,000	28,500	14,200	14,400	Missaukee	29,000	29,500	14,200	14,500
Bay	5,500	5,600	1,900	1,900	Monroe	4,300	4,400	400	400
Benzie	1,600	1,600	(D)	(D)	Montcalm	29,000	29,000	9,900	10,000
					Montmorency	3,000	3,000	700	600
Berrien	4,600	4,600	1,500	1,500	Muskegon	16,100	16,200	6,500	6,600
Branch	12,800	12,900	3,600	3,700					
Calhoun	13,300	13,500	4,300	4,400	Newaygo	24,000	24,000	14,000	14,300
Cass	5,500	5,600	500	500	Oceana	7,800	7,600	2,900	2,900
Charlevoix	3,200	3,300	600	600	Ogemaw	15,300	15,400	6,100	6,200
Cheboygan	6,700	6,800	1,000	1,100	Ontonagon	2,400	2,400	200	200
Chippewa	7,300	7,400	1,100	1,100	Osceola	20,000	20,000	6,200	6,300
Clare	11,700	11,700	2,600	2,600	Oscoda	3,700	3,700	800	900
Clinton	48,000	48,000	24,500	25,000	Otsego	2,300	2,300	(D)	(D)
					Ottawa	42,000	42,000	12,900	13,200
Delta	8,600	8,600	1,900	1,900					
Dickinson	2,200	2,100	600	600	Presque Isle	5,700	5,800	1,500	1,500
Eaton	9,200	9,200	1,900	1,900	Roscommon	(D)	(D)	(D)	(D)
Emmet	4,700	4,700	600	600	Saginaw	9,700	9,800	2,600	2,700
Genesee	7,200	7,300	1,500	1,600	St. Clair	11,500	11,600	1,400	1,400
Gladwin	6,200	6,300	1,300	1,300	St. Joseph	11,200	11,300	5,100	5,200
Grand Traverse	3,600	3,600	200	200	Sanilac	60,000	60,000	23,000	23,500
Gratiot	41,000	41,000	14,100	14,400	Schoolcraft	(D)	(D)	200	200
Hillsdale	25,000	25,000	9,000	9,200	Shiawassee	16,800	17,000	5,300	5,400
					Tuscola	19,000	19,000	5,100	5,200
Houghton	1,200	1,100	400	400	Van Buren	11,200	11,300	5,400	5,500
Huron	115,000	120,000	32,500	33,000					
Ingham	17,500	17,700	6,200	6,300	Washtenaw	11,500	11,600	3,100	3,100
Ionia	51,000	52,000	17,300	17,600	Wayne	(D)	(D)	(D)	(D)
Iosco	8,800	8,900	2,100	2,100	Wexford	3,200	3,200	700	700
Iron	1,300	1,300	(D)	(D)					
Isabella	28,000	28,000	7,900	8,000	Other counties	4,500	4,400	5,400	5,400
Jackson	19,000	19,200	4,100	4,200					
Kalamazoo	11,300	11,200	5,100	5,300	<b>Michigan</b>	<b>1,110,000</b>	<b>1,120,000</b>	<b>371,000</b>	<b>377,000</b>
Kalkaska	1,200	1,200	(D)	(D)					
Kent	34,000	34,000	9,900	10,000					
Keweenaw	(D)	(D)	(D)	(D)					
Lake	1,900	1,900	400	400					
Lapeer	17,500	17,500	3,800	3,800					
Leelanau	2,800	2,800	400	400					
Lenawee	31,500	31,500	11,400	11,600					
Livingston	9,400	9,500	2,400	2,400					
Mackinac	2,400	2,300	800	900					
Macomb	3,900	3,900	800	800					

(D) Withheld to avoid disclosing data for individual farms. County inventories for unpublished counties are included in 'other counties' total.

## Useful Agriculture Internet Sites

### State and Federal Agencies

AMS-Agricultural Marketing Service	<a href="http://www.ams.usda.gov/AMSV1.0">www.ams.usda.gov/AMSV1.0</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 & Rural Development	<a href="http://www.michigan.gov/mdard">www.michigan.gov/mdard</a>
MSU Extension	<a href="http://www.msue.msu.edu">www.msue.msu.edu</a>
MSU AgBio Research	<a href="http://www.agbioresearch.msu.edu">www.agbioresearch.msu.edu</a>
MSU College of Agriculture & Natural Resources	<a href="http://www.canr.msu.edu">www.canr.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/mi">www.nass.usda.gov/mi</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>
Blueberries-The Blueberry People	<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 Co-operative, Inc.	<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	<a href="http://www.micorn.org">www.micorn.org</a>
Dairy-Michigan Milk Producers Association (MMPA)	<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 Agri-Business Association (MABA)	<a href="http://www.miagbiz.org">www.miagbiz.org</a>
Equine-Michigan Equine Partnership	<a href="http://www.miequine.com">www.miequine.com</a>
Floriculture-Michigan Floral Association	<a href="http://www.michiganfloral.org">www.michiganfloral.org</a>
Floriculture-Michigan Floriculture Growers Council	<a href="http://www.mifgc.org">www.mifgc.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 (MNLA)	<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 Producers Council (NPPC)	<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 (MSPC)	<a href="http://www.michigansoybean.org">www.michigansoybean.org</a>
Turfgrass-Michigan Turfgrass Foundation (MTF)	<a href="http://www.michiganturfgrass.org">www.michiganturfgrass.org</a>
Turkeys-Michigan Turkey Producers Co-op, Inc.	<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>
GreenStone Farm Credit Services	<a href="http://www.greenstonefcs.com">www.greenstonefcs.com</a>
Michigan Agri-Tourism Association	<a href="http://www.michiganfarmfun.com">www.michiganfarmfun.com</a>
Michigan Food and Farming Systems-MIFFS	<a href="http://www.miffs.org">www.miffs.org</a>
Michigan Market Maker	<a href="http://mi.marktemaker.uiuc.edu">http://mi.marktemaker.uiuc.edu</a>
MSU Agricultural 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 Rural Development, and National Agricultural Statistics Service of the United States Department of Agriculture are available on the Worldwide Web. There is no charge for connecting to these Internet addresses:

### USDA, NASS, Michigan Field Office

From the NASS home page, [www.nass.usda.gov](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, News 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, 2007 Census of Agriculture data, and home pages of NASS Field Offices including Michigan from this web site. *Michigan Crop Weather* and national releases by free e-mail subscription are available from this site.

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## AUTOFAX ACCESS

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

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## ASSISTANCE

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

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