

## Highlights

### Introduction

The "Michigan 2007-2008 Highlights" contains a summary of information included in the complete "Michigan Agricultural Statistics 2007-2008" publication, which was published as the result of a collaborative partnership of the Michigan Department of Agriculture, Michigan State University, and the U.S. Department of Agriculture's National Agricultural Statistics Service. The entire publication can be viewed and printed from the internet. At [www.nass.usda.gov](http://www.nass.usda.gov), click on the Statistics by State dropdown to access the Michigan internet page. At the Michigan Publications dropdown, click on Annual Statistical Bulletin.

#### Number of farms and land in farms, 2006-2007

Item	Unit	2006	2007
Farms	1,000 farms	53.0	52.8
Land in farms	Million acres	10.1	10.0
Average size of farms	Acres	191	189

#### Farm real estate: Values and cash rents, 2007-2008

Item	Unit	2007	2008
Farm real estate average value per acre	Dollars	3,950	4,150
Cropland average value per acre	Dollars	3,450	3,700
Cropland average cash rent per acre	Dollars	73	80

### Floriculture

Michigan placed third nationally in value of wholesale sales of floriculture products in 2007, behind California and Florida. Reports from Michigan's 628 commercial growers showed an estimated wholesale value of \$382 million, up 0.5 percent from last year.

The leading crop category breakdowns for Michigan were annual bedding and garden plants, \$193 million in sales; propagative materials, \$79 million; herbaceous perennial plants, \$46 million; and potted flowering plants, \$35 million.

Covered area for all operations in the State decreased 2 percent to 47.3 million square feet. This includes both rigid and film plastic greenhouses, glass greenhouses, shade, and temporary cover.

### Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

The 2007 growing season in Michigan had some of the worst drought conditions experienced in the State in 20 years. Prior to the growing season, precipitation totals were above normal, leaving much of the State with a full or nearly full soil moisture profile entering the growing season.

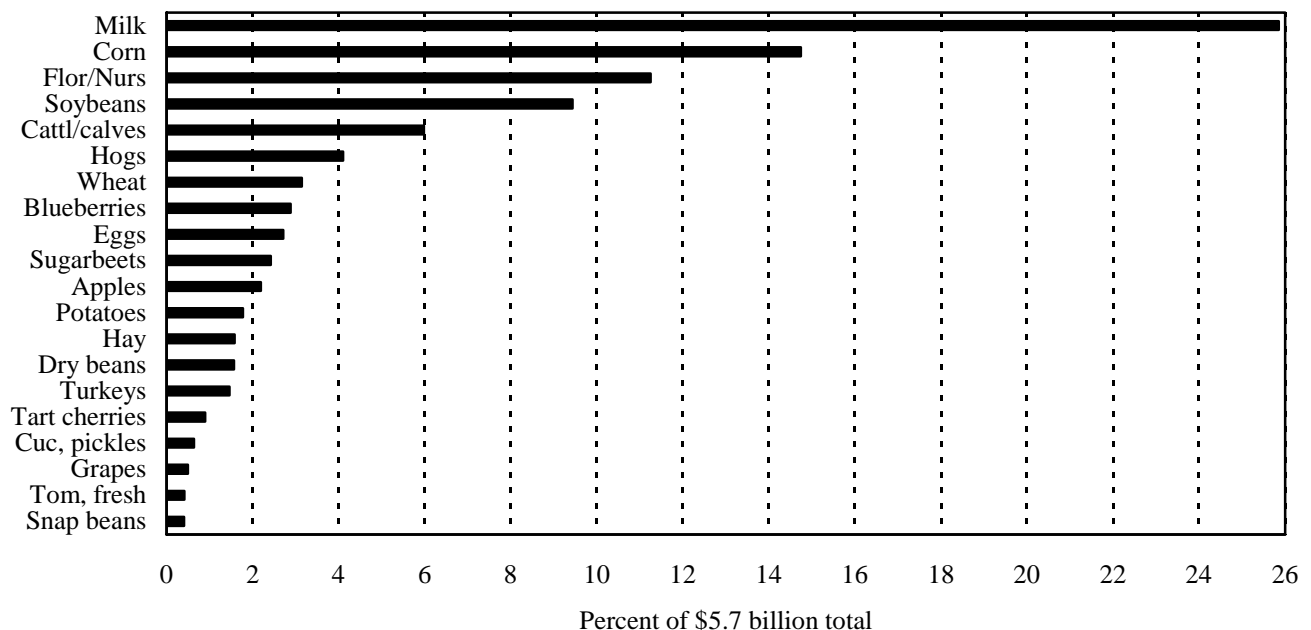
Following a brief period of abnormal warmth during late March which allowed some initial fieldwork, a record-breaking cold air mass moved into the State on April 3, bringing an unusual late season lake effect snowfall event to all areas of the State. The cold, wet weather generally delayed spring fieldwork and planting until late in the month. A return to warmer and drier than normal weather in early May allowed rapid planting progress and favored early crop establishment. Beginning at the end of May, an extended period of sunny, dry, and warm weather caused moisture reserves in the soil profile to fall sharply.

Hot and abnormally dry conditions continued through July into early August, stressing crops during critical pollination stages of development. By mid-August, precipitation deficits for the growing season beginning April 1 had grown in many areas to the 3 to 5-plus inch range. The areas of greatest precipitation deficits included the southwestern and eastern Lower Peninsula and the western Upper Peninsula, where totals from mid-June through early August were less than 25 percent of normal. The extended drought conditions resulted in yield reductions to many crops, especially those on coarse-textured or compacted soils. A break in the drought began in mid-August. Some locations in the State recorded more than 10 inches of rain over a two week period of late August that resulted in flooding. Overall, rain from this system came just in time to benefit many crops and prevented further reductions in crop yields.

Milder and drier than normal weather returned to the State during much of September and early October. The warm temperatures led to rapid maturation of crops. The first killing frost over much of the State was much later than normal in late October and favored rapid grain drydown rates.

For the 5-month May to September period, precipitation totals were much below normal levels in most northern and central sections of the State. Precipitation levels were much above normal across southern sections of the Lower Peninsula. Mean temperatures and seasonal growing degree day accumulations were generally above the climatological normals.

### Top 20 Commodities in Cash Receipts, 2007



### Farm Income

Net farm income in 2007 rose 17 percent from last year to a record high \$1.53 billion. That included \$140 million in government payments. The total agriculture output was \$6.65 billion dollars, up 22 percent from 2006. Production expenses were \$3.26 billion in 2007, up 26 percent from the previous year.

Michigan cash receipts were a record high \$5.74 billion in 2007, up \$1.15 billion or 25 percent from 2006. Livestock and products were up \$711 million. Field crops were up \$400 million; vegetables were down \$2 million; fruits were up \$70 million; and floriculture and nursery were down \$25 million from 2006. Michigan ranked 19 nationally in total cash receipts.

In 2007, the top ten Michigan commodities ranked by cash receipts were milk, corn, floriculture and nursery, soybeans, cattle and calves, hogs, wheat, blueberries, eggs, and sugarbeets.

### Michigan commodities ranked first in U.S. agriculture, 2007

Item	Unit	Quantity	Percent of U.S.
		<i>1,000</i>	<i>Percent</i>
Beans, dry, black	Cwt	1,540	55.5
Beans, dry, cranberry	Cwt	88	71.0
Beans, dry, small red	Cwt	253	47.3
Blueberries	Pounds	93,000	32.8
Cherries, tart	Pounds	196,000	77.4
Cucumbers (for pickles)	Tons	156.4	30.8
Flowering hanging baskets	Number	6,070	20.7
Geraniums (seed and cuttings)	Pots	22,591	36.1
Grapes, Niagara	Tons	33.5	40.1
Impatiens	Flats	2,156	24.1
Petunias	Flats	1,515	22.1
Squash	Cwt	1,482	18.8
Vegetable type bedding plants	Flats	829	21.0

### Cash receipts by commodity groups and selected commodities 2003-2007 <sup>1</sup>

Item	2003	2004	2005	2006	2007
	<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>
<b>Total cash receipts</b>	3,888,186	4,290,766	4,227,591	4,586,690	5,741,504
<b>Total livestock and products</b>	1,401,811	1,769,215	1,727,877	1,655,542	2,366,949
Meat animals	385,053	522,510	511,508	502,152	582,153
Cattle and calves	207,722	282,708	277,781	294,627	343,331
Hogs	173,671	236,002	229,852	204,514	235,516
Sheep and lambs	3,660	3,800	3,875	3,011	3,306
Dairy (milk)	795,690	1,022,825	1,031,030	938,315	1,484,395
Poultry and eggs	170,298	174,472	136,327	164,580	250,189
Eggs	93,613	94,313	61,870	73,097	155,469
Turkeys	68,760	69,560	67,500	82,156	83,904
Other	7,925	10,599	6,957	9,327	10,816
Miscellaneous livestock	50,770	49,408	49,012	50,495	50,212
Honey	6,782	4,965	4,243	4,633	5,253
Mink pelts	1,744	2,045	2,379	3,380	2,565
Trout	691	790	793	783	758
Other	41,553	41,608	41,597	41,699	41,636
<b>Total crops</b>	2,486,375	2,521,551	2,499,714	2,931,148	3,374,555
Field crops	1,278,493	1,186,181	1,242,800	1,549,624	1,949,779
Corn	437,210	445,751	371,784	579,356	846,530
Dry beans	63,264	60,779	75,499	74,675	89,702
Hay	58,269	57,800	93,415	92,991	90,711
Soybeans	420,346	376,716	432,343	464,956	541,591
Sugarbeets	124,780	90,790	111,387	142,384	138,957
Wheat	138,470	117,925	116,029	147,556	180,208
Other	36,154	36,420	42,343	47,706	62,080
Vegetables	356,908	377,137	323,881	362,845	360,527
Asparagus	19,278	17,468	12,006	14,866	15,417
Beans, snap	11,208	18,660	23,135	17,723	23,192
Carrots	21,907	18,899	18,666	17,293	15,400
Celery	17,641	15,215	10,493	19,920	12,271
Corn, sweet	14,193	13,904	16,000	16,434	14,315
Cucumbers, fresh	20,890	22,274	14,976	16,354	15,358
Cucumbers, pickles	36,180	35,363	26,611	33,492	35,961
Onions	11,065	10,518	8,128	8,815	11,933
Peppers, green, fresh	9,900	13,572	9,016	9,126	10,296
Potatoes	87,400	93,739	87,590	98,969	101,481
Pumpkins	14,308	13,104	9,048	9,405	6,900
Squash	15,314	16,240	16,337	14,994	14,079
Tomatoes, fresh	16,456	26,208	16,720	23,000	23,667
Tomatoes, processing	10,408	8,789		10,049	10,098
Other	50,760	54,184	55,155	52,405	50,159
Fruit	250,887	292,751	277,014	343,834	414,307
Apples	79,303	96,272	90,298	109,834	125,806
Blueberries	63,105	97,210	83,500	149,655	165,456
Grapes	21,086	13,690	21,518	9,357	27,950
Peaches	7,790	10,274	7,982	13,066	16,298
Strawberries	6,320	4,005	4,878	6,285	4,668
Sweet cherries	10,795	16,311	16,732	15,492	17,709
Tart cherries	57,938	49,861	47,555	34,697	50,905
Other	4,550	5,128	4,551	5,448	5,515
Miscellaneous crops	19,897	17,327	7,117	4,325	3,985
Floriculture and nursery	580,190	648,155	648,902	670,520	645,957

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

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

**Crop acreage, production, price, and value, 2006-2007**

Crop	Unit	2006				2007			
		Harvested	Production	Price	Value of production	Harvested	Production	Price	Value of production
		<i>1,000 acres</i>	<i>1,000</i>	<i>Dollars</i>	<i>Million dollars</i>	<i>1,000 acres</i>	<i>1,000</i>	<i>Dollars</i>	<i>Million dollars</i>
Field and misc. crops		6,461	NA	NA	2,323.3	6,444	NA	NA	2,709.7
Corn for grain	Bushels	1,960	288,120	3.10	893.2	2,350	291,400	3.95	1,151.0
All hay	Tons	1,140	3,670	94.00	343.7	1,080	2,880	117.00	334.3
Soybeans	Bushels	1,990	89,550	6.27	561.5	1,740	67,860	9.85	668.4
All dry beans	Cwt	215	4,085	21.10	86.2	195	3,120	28.50	88.9
All wheat	Bushels	650	47,450	3.41	161.8	540	35,100	5.35	187.8
All potatoes	Cwt	43.0	14,190	8.35	118.5	42.0	14,700	8.40	123.5
Sugarbeets	Tons	154	3,573	39.85	142.4	149	3,487	( <sup>1</sup> )	( <sup>1</sup> )
Oats	Bushels	65	4,030	1.93	7.8	55	3,190	2.60	8.3
Barley	Bushels	14	686	1.80	1.2	13	728	2.50	1.8
Maple syrup <sup>2</sup>	Gallons	375	78	37.00	2.9	400	60	41.60	2.5
Peppermint	Pounds	0.7	35	13.50	0.5	0.7	28	14.40	0.4
Spearmint	Pounds	1.6	96	10.00	1.0	1.5	90	12.00	1.1
Fruits and nuts		111	NA	NA	360.8	107	NA	NA	414.5
Vegetables		111	NA	NA	217.7	110	NA	NA	210.9
Principal crops		6,683	NA	NA	2,901.7	6,661	NA	NA	3,335.1

<sup>1</sup> The 2007 price and value will be published in "Crop Values" February 2009.

<sup>2</sup> Harvested taps.

**Fruit Summary, 2006-2007**

Fruit	Bearing acres		Total production	
	2006	2007	2006	2007
	<i>Acres</i>	<i>Acres</i>	<i>Million pounds</i>	<i>Million pounds</i>
Apples	38,000	35,000	880.0	770.0
Tart cherries	26,400	25,700	190.0	196.0
Peaches	4,500	4,200	37.8	41.0
Blueberries <sup>1</sup>	18,100	18,500	90.0	93.0
Strawberries <sup>1</sup>	850	800	5.5	4.0
	<i>Acres</i>	<i>Acres</i>	<i>Thousand tons</i>	<i>Thousand tons</i>
Sweet cherries	7,700	7,200	20.0	27.3
Grapes	14,200	14,100	32.5	100.1
Pears	800	750	3.6	4.0
Plums	700	650	3.6	3.1

<sup>1</sup> Harvested acres.

**Vegetable Summary, 2006-2007**

Item	Harvested		Production	
	2006	2007	2006	2007
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
Fresh market				
Asparagus <sup>1</sup>	11,700	11,200	257	235
Beans, snap	3,600	3,600	198	144
Cabbage	1,800	1,700	612	544
Carrots	2,500	2,800	800	840
Celery <sup>1</sup>	1,700	1,800	900	927
Corn, sweet	8,300	8,500	913	723
Cucumbers	5,200	4,900	884	858
Onions	2,600	2,500	650	650
Peppers, bell <sup>1</sup>	1,300	1,200	351	312
Pumpkins <sup>1</sup>	5,700	5,000	855	575
Squash <sup>1</sup>	8,400	7,800	1,764	1,482
Tomatoes	2,000	2,100	460	483
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>
Processing				
Beans, snap	18,100	22,800	66,030	78,620
Carrots	1,700	1,400	39,100	28,000
Cucumbers	33,200	29,500	172,640	156,350
Tomatoes	3,300	3,300	115,500	112,200

<sup>1</sup> Dual purpose crops. Processing included in fresh market.

**Honey**

Michigan honey production for 2007 totaled 4.61 million pounds, up 16 percent from 2006. This estimate included honey from producers with 5 or more colonies. There were 72,000 colonies producing honey, the same as in 2006.

**Cattle inventory, January 1, 2007-2008**

Class	2007	2008
	<i>1,000 head</i>	<i>1,000 head</i>
All cattle and calves	1,060	1,070
Cows	435	450
Beef	108	106
Milk	327	344
Replacement heifers	205	213
Beef	33	31
Milk	135	137
Other	37	45
Steers 500 pounds and over	190	195
Bulls 500 pounds and over	17	16
Calves under 500 pounds	213	196
Cattle on feed	175	170

**Hogs and pigs: Inventory, production, and value, 2006-2007**

Item	Unit	2006	2007
December 1 inventory	1,000 head	1,000	1,030
Production <sup>1</sup>	1,000 pounds	480,183	555,953
Marketings <sup>2</sup>	1,000 pounds	478,310	564,370
Value of production	1,000 dollars	200,776	227,187

<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.

**Sheep inventory, January 1, 2007-2008**

Class	2007	2008
	<i>1,000 head</i>	<i>1,000 head</i>
All sheep and lambs	81	82
Breeding sheep and lambs	60	62
Ewes	44	46
Rams	3	3
Replacement lambs	13	13
Total market sheep and lambs	21	20
Previous year's lamb crop	56	63

**Trout**

Michigan's 15 commercial trout operations sold \$758,000 of trout in 2007. This was a \$25,000 decrease from last season. Sales of trout 12 inches or longer were valued at \$601,000.

**Michigan Poultry Production and Value, 2006-2007**

Item	Unit	2006	2007	Percent change
<b>Eggs, all</b>				
Eggs produced	Millions	2,391	2,563	7
Price/dozen	Dollars	0.367	0.728	98
Value of production	1,000 dollars	73,097	155,469	113
<b>Chickens</b>				
Birds lost	Thousands	1,013	1,254	24
Birds sold	Thousands	3,412	3,505	3
Pounds sold	Thousands	11,260	11,567	3
Price/pound	Dollars	0.001	0.001	0
Value of sales	1,000 dollars	11	12	9
<b>Turkeys</b>				
Number raised	Thousands	4,600	4,800	4
Pounds produced	Thousands	174,800	182,400	4
Price/pound	Dollars	0.470	0.460	-2
Value of production	1,000 dollars	82,156	83,904	2
<b>Total value</b>	1,000 dollars	155,264	239,385	54

**Milk: Production, utilization, marketings, and value, 2006-2007**

Item	Unit	2006	2007
<b>Production</b>			
Total milk produced on farms	Million pounds	7,115	7,598
Milkfat produced	Million pounds	258.3	274.3
Milkfat	Percent	3.63	3.61
<b>Utilization</b>			
Milk used where produced			
Fed to calves	Million pounds	56	58
Used for milk, cream, and butter	Million pounds	4	5
Milk marketed by producers			
Average return per 100 pounds of milk	Million pounds	7,055	7,535
Average return per pound milkfat	Dollars	13.30	19.70
Fluid grade	Dollars	3.66	5.46
Total cash receipts	Percent	99	100
	1,000 dollars	938,315	1,484,395
<b>Value</b>			
Value of milk used where produced <sup>1</sup>	1,000 dollars	7,980	12,411
Total value of milk produced	1,000 dollars	946,295	1,496,806

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

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