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Michigan 2009-2010 Highlights

NR-10-76 David D. Kleweno, Director October 8, 2010

Introduction

The "Michigan 2009-2010 Highlights" contains a summary of information included in the complete "Michigan Agricultural Statistics 2009-2010" 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, 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, 2008-2009

Item	Unit	2008	2009
Farms	1,000 farms	55.0	54.8
Land in farms	Million acres	10.0	10.0
Average size of farms	Acres	182	182

Farm real estate: Values and cash rents, 2009-2010

Item	Unit	2009	2010
Farm real estate average value per acre	Dollars	3,750	3,650
Cropland average value per acre	Dollars	3,370	3,300
Cropland average cash rent per acre	Dollars	81	81

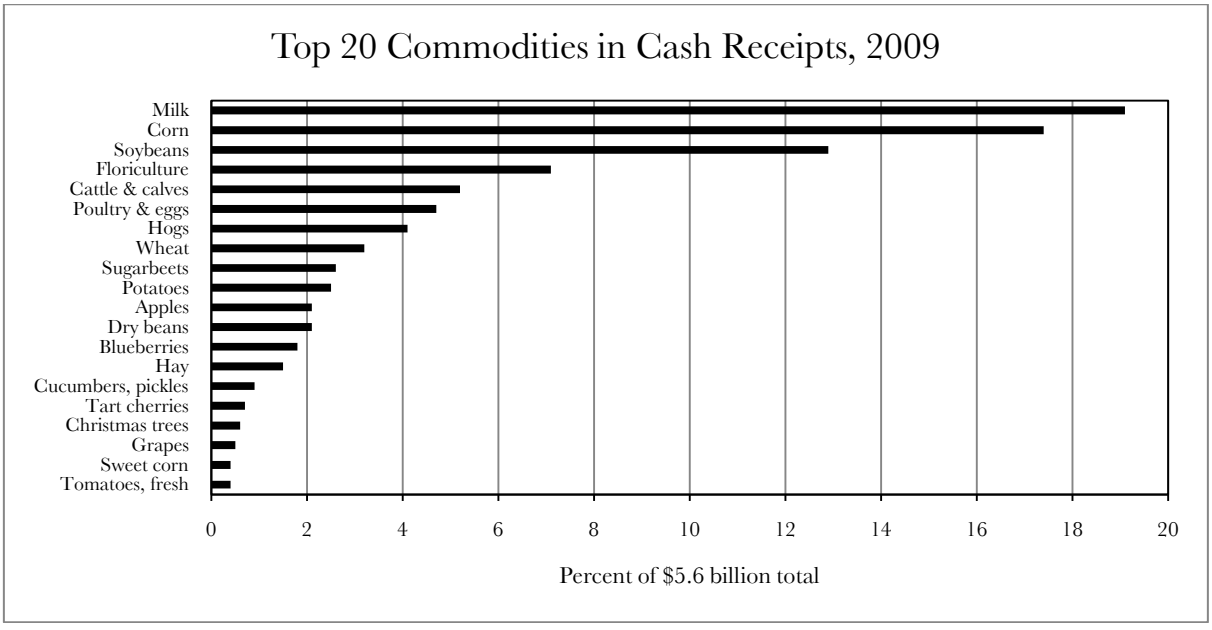
Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

The 2009 growing season in Michigan was a major challenge to growers due to the combination of abnormally cool temperatures and several extended wet spells. Similar to the 2008 season, the 2009 growing season was preceded by a persistent high amplitude jet stream pattern characterized by large troughs across western and central North America set up just before Thanksgiving last fall and persisted into early March. Mean temperatures for the December through February winter months generally ranged from 2-5 degrees Fahrenheit (F.) below normal across the state. In terms of precipitation, winter totals generally ranged from near to slightly below normal levels across western sections of Upper Michigan to much above normal over large sections of the Lower Peninsula, where some areas received more than 200% of normal values. For the state as a whole, this past winter was among the wettest 10 percent of winters since 1895. Soil moisture levels at the beginning of April ranged from much above normal levels across southern and central sections of the state to drier than normal across some northern sections. Wetter and somewhat cooler than normal weather during April and early May led to significant delays in spring fieldwork and planting across the region. As of the 10th of May, when historically more than half the corn crop is usually planted, only 18% had been planted (USDA/NASS, 2009). An upper air pattern shift led to warmer temperatures and more seasonable conditions during late May.

During early June an upper air pattern set up across North America that would persist for much of the remainder of June and much of July. In addition to the cooler than normal temperatures, the northwesterly upper air pattern also reduced the amount of Gulf of Mexico-origin moisture reaching the region. Precipitation totals for June and July generally fell too much below normal levels, with many western and northern sections of the state reporting less than 50% of normal rainfall. Following a cooler than normal June with mean temperatures generally from 0.5-2.5 degrees F. below normal. July mean temperatures across Michigan generally ranged from 3-6 degrees F. below normal, with an overall statewide mean only slightly warmer than the standing record set in 1992. Records for the coolest July on record were set at many individual sites across the Midwest. The cool weather slowed growth and development rates of almost all crops, and phenological development lagged more than two weeks behind historical averages by month's end.

Overall for the 5-month May-September period, precipitation totals ranged from much below normal levels across northern sections of the state (the fifth consecutive year in which this has occurred) to near normal in eastern sections of the state. Mean temperatures and seasonal growing degree day accumulations were well below the climatological normals, with seasonal base 50 F. growing degree day accumulations generally remaining from 100 to more than 400 units below normal. The greatest departures from normal were observed in the northern sections of the state. The combination of cool temperatures and persistent wet weather early in the season resulted in many crops lagging far behind normal phenological stages throughout the season, and to unusually high grain moisture levels and drying costs at the end of the season.



Farm Income

Net farm income in 2009 fell 42 percent from last year to $1.14 billion. That includes $180 million of government payments. The total agriculture output was $6.67 billion dollars, down 12 percent from 2008. Production expenses were $3.53 billion in 2009, down 4 percent from the previous year.

Preliminary cash receipts from 2009 marketings of Michigan crops, livestock and livestock products totaled $5.58 billion, down 15 percent from 2008. Michigan ranked 19 nationally in total cash receipts.

Crop receipts, at $3.67 billion, were down 9 percent from 2008. Livestock cash receipts were down 25 percent from a year earlier to $1.90 billion.

In 2009, the top ten Michigan commodities ranked by cash receipts were milk, corn, soybeans, floriculture, cattle and calves, poultry and eggs, hogs, wheat, sugarbeets, and potatoes.

Michigan commodities ranked first in U.S. agriculture, 2009

Item	Unit	Quantity	Percent of U.S.
		1,000	*Percent*
Beans, dry, black	Cwt	1,770	58.8
Beans, dry, cranberry	Cwt	55	65.5
Beans, dry, small red	Cwt	404	57.5
Blueberries	Pounds	99,000	26.9
Cherries, tart	Pounds	266,000	74.1
Cucumbers (for pickles)	Tons	188.5	34.7
Geraniums (seed and cuttings)	Pots	20,103	33.0
Grapes, Niagara	Tons	27.5	43.2
Impatiens	Flats	1,947	24.5
Petunias	Flats	1,549	21.7
Squash	Cwt	1,365	18.9

Cash receipts by commodity groups and selected commodities 2005-2009 [1]

Item	2005	2006	2007	2008	2009
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Total cash receipts	4,231,449	4,592,406	5,836,719	6,560,309	5,579,887
Total livestock and products	1,733,314	1,659,939	2,400,533	2,529,030	1,905,433
Meat animals	512,088	503,763	580,497	638,992	522,424
Cattle and calves	277,781	294,627	343,331	384,942	288,659
Hogs	229,852	205,669	233,132	249,776	229,612
Sheep and lambs	4,455	3,467	4,034	4,274	4,153
Dairy (milk)	1,035,650	942,970	1,497,200	1,485,696	1,063,960
Poultry and eggs	132,652	153,771	256,397	339,972	260,871
Eggs	61,870	73,097	155,371	211,524	149,883
Turkeys	63,825	69,654	88,210	([2])	([2])
Other	6,957	11,020	12,816	128,448	110,988
Miscellaneous livestock	52,924	59,435	66,439	64,370	58,178
Honey	4,155	4,554	5,484	7,464	5,980
Mink pelts	2,379	3,380	2,640	3,456	1,835
Other	46,390	51,501	58,315	53,450	50,363
Total crops	2,498,135	2,932,467	3,436,186	4,031,279	3,674,454
Field crops	1,226,995	1,529,157	1,946,259	2,556,645	2,261,629
Corn	371,784	577,864	802,910	1,162,856	971,846
Dry beans	75,979	75,431	97,168	140,245	115,479
Hay	87,008	82,352	61,809	95,946	85,833
Soybeans	432,343	470,922	624,176	704,165	719,912
Sugarbeets	111,387	135,774	125,532	171,732	145,992
Wheat	116,029	147,556	186,547	234,735	177,000
Other	32,465	39,258	48,117	46,966	45,567
Vegetables	331,030	373,674	386,547	441,280	455,522
Asparagus	12,006	14,866	16,092	18,516	16,553
Beans, snap	23,135	17,523	18,465	15,978	20,540
Carrots	18,666	18,249	14,988	18,746	([2])
Celery	10,493	19,920	12,334	14,705	14,898
Corn, sweet	16,000	16,830	14,652	16,991	23,624
Cucumbers, fresh	14,976	16,354	15,358	14,117	18,586
Cucumbers, pickles	26,611	33,492	42,665	41,602	49,010
Onions	8,128	9,073	12,310	9,885	12,939
Peppers, green, fresh	9,016	9,828	12,870	12,000	11,520
Potatoes	94,739	103,222	100,227	142,947	138,355
Pumpkins	9,048	9,405	8,556	15,283	10,318
Squash	16,337	14,459	13,538	12,144	11,739
Tomatoes, fresh	16,720	23,000	24,794	24,570	21,000
Other	55,155	67,453	79,698	83,796	106,440
Fruit	277,214	344,324	418,909	381,545	325,726
Apples	90,298	109,834	128,179	129,897	118,704
Blueberries	83,500	149,655	165,456	124,000	101,850
Grapes	21,518	9,242	28,044	27,197	27,586
Peaches	7,982	13,066	16,298	9,052	12,075
Strawberries	4,878	6,285	5,028	5,846	6,615
Sweet cherries	16,732	15,492	17,709	16,144	13,666
Tart cherries	47,555	34,697	50,905	63,030	37,981
Other	4,751	6,053	7,290	6,379	7,249
Miscellaneous crops	13,994	14,792	16,711	18,309	19,175
Floriculture and nursery	648,902	670,520	667,760	633,500	612,402

[1] Source: U.S. Department of Agriculture, Economic Research Service.
[2] Not published to avoid disclosure of individual operations.

Crop acreage, production, price, and value, 2008-2009

Crop	Unit	2008				2009			
		Harvested	Production	Price	Value of production	Harvested	Production	Price	Value of production
		1,000 acres	*1,000*	*Dollars*	*Million dollars*	*1,000 acres*	*1,000*	*Dollars*	*Million dollars*
Field and misc. crops		6,454	NA	NA	2,977.5	6,301	NA	NA	2,828.7
Corn for grain	Bushels	2,140	295,320	3.84	1,134.0	2,090	309,320	3.60	1,118.9
All hay	Tons	1,020	2,633	153.00	401.9	990	2,482	142.00	352.5
Soybeans	Bushels	1,890	69,930	9.82	686.7	1,990	79,600	9.40	748.2
All dry beans	Cwt	195	3,607	36.30	130.9	195	3,510	32.90	115.5
All wheat	Bushels	710	48,990	5.63	275.8	560	38,640	4.25	164.2
All potatoes	Cwt	42.5	14,875	10.10	150.2	43.5	15,660	10.50	164.4
Sugarbeets	Tons	136	3,903	44.00	171.7	136	3,318	([1])	([1])
Oats	Bushels	60	3,960	3.40	13.5	55	3,465	2.25	7.8
Barley	Bushels	10	460	3.25	1.5	11	561	2.80	1.6
Maple syrup [2]	Gallons	405	105	41.00	4.3	450	115	45.00	5.2
Peppermint	Pounds	0.8	36	28.00	1.0	0.6	36	18.00	0.6
Spearmint	Pounds	1.5	90	15.00	1.4	1.6	104	13.00	1.4
Fruits and nuts		109	NA	NA	365.3	110	NA	NA	333.9
Vegetables		105	NA	NA	239.2	107	NA	NA	256.5
Principal crops		6,668	NA	NA	3,582.1	6,518	NA	NA	3,419.1

[1] The 2009 price and value will be published in "Crop Values" February 2011.
[2] Harvested taps.

Fruit Summary, 2008-2009

Fruit	Bearing acres		Total production	
	2008	2009	2008	2009
	Acres	*Acres*	*Million pounds*	*Million pounds*
Apples	37,000	38,000	590.0	1,150.0
Tart cherries	25,900	26,000	165.0	266.0
Peaches	4,300	4,300	28.0	34.4
Blueberries [1]	18,600	18,500	110.0	99.0
Strawberries [1]	800	800	4.9	4.6
	Acres	*Acres*	*Thousand tons*	*Thousand tons*
Sweet cherries	7,200	7,000	26.5	28.7
Grapes	14,200	14,200	73.7	96.5
Pears	800	800	2.9	4.2
Plums	650	600	2.3	2.9

[1] Harvested acres.

Cattle inventory, January 1, 2009-2010

Class	2009	2010
	1,000 head	*1,000 head*
All cattle and calves	1,070	1,100
Cows	445	450
Beef	92	96
Milk	353	354
Replacement heifers	225	235
Beef	27	27
Milk	148	158
Other	50	50
Steers 500 pounds and over	185	200
Bulls 500 pounds and over	15	15
Calves under 500 pounds	200	200
Cattle on feed	165	170

Vegetable Summary, 2008-2009

Item	Harvested		Production	
	2008	2009	2008	2009
	Acres	*Acres*	*1,000 cwt*	*1,000 cwt*
Fresh market				
Asparagus [1]	11,200	10,700	258	235
Beans, snap	2,800	3,100	112	155
Cabbage	2,400	2,600	672	676
Carrots	2,300	2,200	667	594
Celery [1]	1,800	1,900	945	1,055
Corn, sweet	8,500	9,100	723	1,001
Cucumbers	4,100	4,300	759	968
Onions	3,600	3,800	1,008	1,330
Peppers, bell [1]	1,600	1,600	400	384
Pumpkins [1]	6,800	6,700	986	737
Squash [1]	6,600	6,500	1,320	1,365
Tomatoes	2,100	2,000	546	600
	Acres	*Acres*	*Tons*	*Tons*
Processing				
Beans, snap	15,000	16,500	54,750	65,180
Carrots	2,700		67,500	
Cucumbers	30,500	32,500	189,100	188,500
Tomatoes	3,400	3,400	102,000	132,600

[1] Dual purpose crops. Processing included in fresh market.

Hogs and pigs: Inventory, production, and value, 2008-2009

Item	Unit	2008	2009
December 1 inventory	1,000 head	1,030	1,080
Production [1]	1,000 pounds	575,459	606,574
Marketings [2]	1,000 pounds	579,740	611,350
Value of production	1,000 dollars	243,828	223,320

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms and inter-farm sales within the state.

Sheep inventory, January 1, 2009-2010

Class	2009	2010
	1,000 head	*1,000 head*
All sheep and lambs	78	80
Breeding sheep and lambs	60	61
Ewes	47	46
Rams	3	3
Replacement lambs	10	12
Total market sheep and lambs	18	19
Previous year's lamb crop	65	65

Honey

Michigan honey production for 2009 totaled 3.96 million pounds, down 24 percent from 2008. This estimate included honey from producers with 5 or more colonies. Nationally, Michigan ranked ninth in honey production in 2009, down from seventh in 2008. Yields from Michigan's 66,000 colonies producing honey averaged 60 pounds in 2009, compared with 73 pounds the previous year.

Trout

The value of all trout sold and distributed in Michigan was $933,000 of trout in 2009. This was a $94,000 decrease from last season.

Sales of trout 12 inches or longer were valued at $751,000 for an average value of $2.21 per pound.

Michigan Chicken and Egg Production and Value, 2008-2009 [1]

Item	Unit	2008	2009	Percent change
Eggs, all				
Eggs, produced	Millions	2,653	2,784	5
Price/dozen	Dollars	0.957	0.646	-32
Value of production	1,000 dollars	211,524	149,883	-29
Chickens				
Birds lost	Thousands	887	923	4
Birds sold	Thousands	2,423	3,090	28
Pounds sold	Thousands	7,996	10,197	28
Price/pound	Dollars	0.001	0.001	0
Value of sales	1,000 dollars	8	10	25
Total value	1,000 dollars	211,532	149,893	-29

[1] Excludes Turkey production and value. This information is suppressed due to disclosure.

Milk: Production, utilization, marketings, and value, 2008-2009

Item	Unit	2008	2009
Production			
Total milk produced on farms	Million pounds	7,763	7,968
Milkfat produced	Million pounds	282.6	289.2
Milkfat	Percent	3.64	3.63
Utilization			
Milk used where produced			
Fed to calves	Million pounds	23	26
Used for milk, cream, and butter	Million pounds	2	2
Milk marketed by producers	Million pounds	7,738	7,940
Average return per 100 pounds of milk	Dollars	19.20	13.40
Average return per pound milkfat	Dollars	5.27	3.69
Fluid grade	Percent	100	100
Total cash receipts	1,000 dollars	1,485,696	1,063,960
Value			
Value of milk used where produced [1]	1,000 dollars	4,800	3,752
Total value of milk produced	1,000 dollars	1,490,496	1,067,712

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

Floriculture

Michigan maintained its third place national ranking in value of wholesale sales of floriculture products in 2009. Only California and Florida reported larger sales. Reports from Michigan's 651 commercial growers ($10K or more in gross sales) showed an estimated wholesale value of $397.4 million for all surveyed floriculture crops, up 1 percent from last year’s figure

The leading crop category breakdowns for Michigan operations with more than $10K in sales were:

- Annual bedding/garden plants with $180 million in sales.
- Propagative materials with $84 million in sales.
- Herbaceous perennial plants with $70 million in sales.
- Potted flowering plants with $31 million in sales.

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