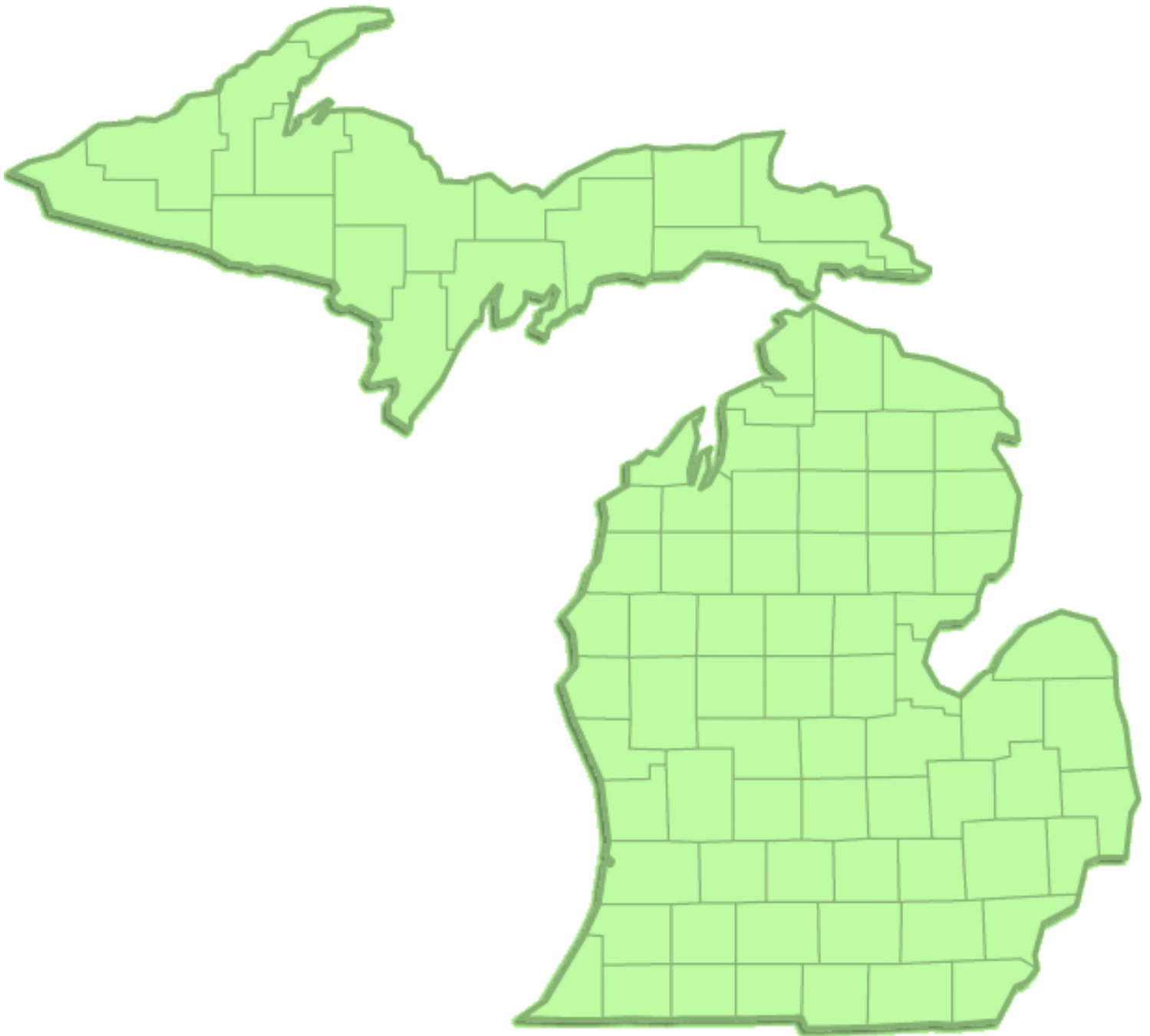


# Michigan Agricultural Statistics 2015-2016



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**Rank in U.S. agriculture by selected commodities, 2015**

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
<b>1</b>	Beans, dry, black	Cwt	2,850	50.9	Michigan
	Beans, dry, cranberry	Cwt	101	68.7	Michigan
	Beans dry, navy	Cwt	1708	37.5	Michigan
	Beans, dry, small red	Cwt	551	49.8	Michigan
	Begonias	Baskets	513	26.2	Michigan
	Begonias	Flats	817	21.4	Michigan
	Cucumbers for pickles	Tons	171.1	32.1	Michigan
	Cherries, tart	Pounds	158,000	62.6	Michigan
	Easter Lilies	Pots	1,490	27.0	Michigan
	Geraniums, from seed	Pots	6,928	47.9	Michigan
	Geraniums, vegetative cuttings	Baskets	794	24.0	Michigan
	Grapes, Niagara	Tons	23.8	44.0	Michigan
	Hostas	Pots	2,538	25.3	Michigan
	Impatiens, other	Baskets	592	28.2	Michigan
	Impatiens, other	Flats	1,106	25.1	Michigan
	Other Flowering and Foliar	Baskets	3,500	22.9	Michigan
	Petunias	Baskets	1,131	21.4	Michigan
	Petunias	Flats	1,385	21.5	Michigan
	Petunias	Pots	4,072	16.0	Michigan
<b>2</b>	Asparagus	Cwt	228	33.3	California
	Beans, dry, all	Cwt	5,533	18.4	North Dakota
	Carrots (fresh market)	Cwt	360	1.5	California
	Celery	Cwt	930	5.2	California
	Chrysanthemums, hardy/garden	Pots	6,346	13.4	North Carolina
	Impatiens, New Guinea	Pots	2,014	11.9	Florida
	Marigolds	Flats	588	16.4	California
	Pansies/Violas	Baskets	142	12.8	North Carolina
	Snap beans (processing)	Tons	71.2	9.3	Wisconsin
Squash	Cwt	1,114	18.5	Oregon	
<b>3</b>	Apples	Pounds	990,000	10.0	Washington
	Beans, dry, light red kidney	Cwt	160	13.1	Minnesota
	Geraniums, from vegetative cuttings	Pots	3,578	11.3	Florida
<b>4</b>	Alfalfa haylage and greenchop	Tons	2,376	10.4	Wisconsin
	Blueberries	Pounds	73,200	13.1	Washington
	Cherries, sweet	Tons	13.4	4.0	Washington
	Grapes	Tons	80.6	1.0	California
	Grapes, Concord	Tons	54.5	13.6	Washington
	Other herbaceous perennials	Pots	12,135	9.8	California
	Sugarbeets	Tons	4,787	13.6	Minnesota
	Tomatoes (processing)	Tons	95.0	0.6	California
Vegetable type plants	Pots	3,747	8.4	California	
<b>5</b>	Pumpkins	Cwt	770	10.2	Illinois
<b>6</b>	All haylage and greenchop	Tons	2,491	7.4	Wisconsin
	Cucumbers (fresh market)	Cwt	592	8.8	Georgia
	Snap Beans (fresh market)	Cwt	212	5.4	Florida
<b>7</b>	Egg Production	Eggs	3,844,668	4.0	Iowa
	Maple Syrup	Gallons	127	3.7	Vermont
	Milk	Pounds	10,253,000	4.9	California
	Oats	Bushels	3,350	3.7	Wisconsin
	Potatoes	Cwt	17,550	4.0	Idaho
<b>8</b>	Peaches	Tons	7.2	0.8	California
	Sweet Corn (Fresh)	Cwt	927	3.3	California
<b>9</b>	Corn for Silage	Tons	4,940	3.9	Wisconsin
<b>10</b>	Wheat, winter	Bushels	38,475	2.8	Kansas
<b>11</b>	Corn for grain	Bushels	335,340	2.5	Iowa
<b>13</b>	Hogs, as of Dec. 1, 2015	Head	1,120	1.6	Iowa
	Soybeans	Bushels	98,980	2.5	Iowa
<b>18</b>	Cash receipts	Dollars	7,808,285	2.1	California
<b>22</b>	Hay, all, dry	Tons	2,604	1.9	Texas
<b>28</b>	Cattle, as of Jan. 1, 2016	Head	1,150	1.2	Texas

# Farm Economics

## Number of farms and land in farms by economic sales class, 2011-2015 <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>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	
2011	28.50	15.20	3.90	2.10	3.00	52.70	
2012	27.00	15.50	3.80	2.35	3.55	52.20	
2013	26.30	15.30	3.90	2.60	3.90	52.00	
2014	25.80	14.80	4.20	2.70	4.10	51.60	
2015	25.60	14.70	4.10	2.90	4.20	51.50	
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Acres</i>
2011	1.50	1.87	1.18	1.19	4.26	10.00	190
2012	1.46	1.78	1.02	1.16	4.53	9.95	191
2013	1.37	1.68	1.00	1.10	4.80	9.95	191
2014	1.10	1.70	1.05	1.20	4.90	9.95	193
2015	1.05	1.65	1.05	1.25	4.95	9.95	193

<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, 2012-2016

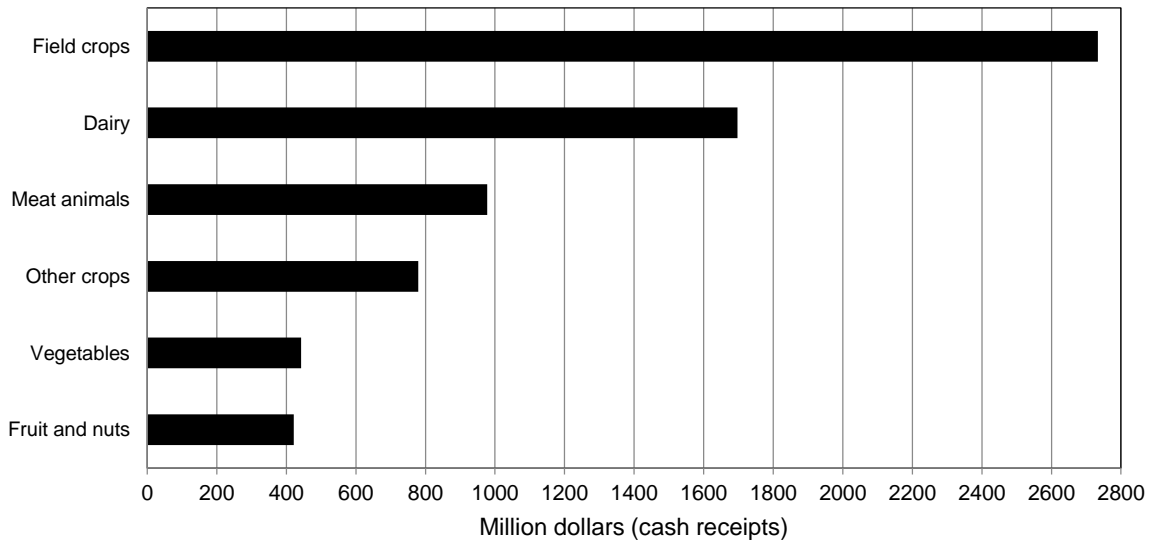
Year	Farm real estate average value per acre	Cropland		Pasture
		Average value per acre	Average cash rent per acre	Average value per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2012	3,890	3,660	108	2,290
2013	4,300	4,120	118	2,420
2014	4,700	4,500	123	2,500
2015	4,900	4,550	118	2,680
2016	4,800	4,500	127	2,600

## Government payments, 2011-2015 <sup>1</sup>

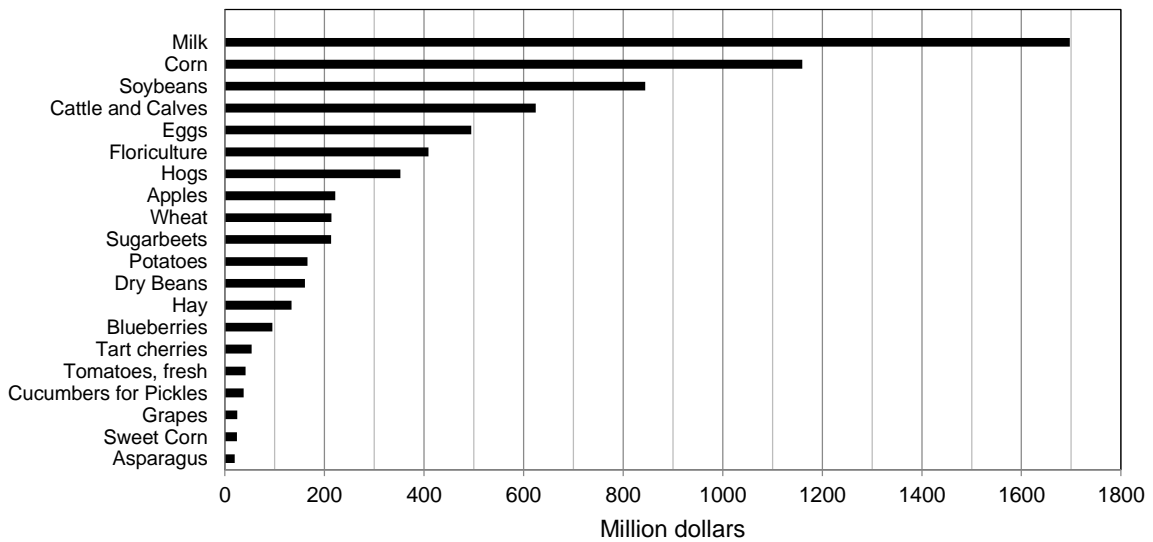
Program	2011	2012	2013	2014	2015
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Conservation programs	58,034	61,281	52,098	46,053	39,526
BMAC-Biomass crop assistance	676	194	0	43	151
Direct payments	78,994	78,198	71,160	318	-154
Counter-cyclical payments	-2	0	0	0	-2
Loan deficiency payments	54	1	-1	0	-5
Miscellaneous programs	-62	-2	0	0	-1
Ad Hoc and emergency programs	18,480	12,822	8,017	14,143	2,864
Milk income loss payments	18	22,896	11,367	25	-15
ACRE	376	-5	-224	-3	0
ARC-Agricultural Risk Coverage					144,743
Dairy Margin Protection Program					49
Total	156,567	175,384	142,418	60,578	187,155

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

### Major Michigan Commodity Groups, 2015



### Top 20 Commodities in Cash Receipts, 2015



**Value added to the economy by the Michigan agricultural sector 2011-2015 <sup>1</sup>**

Item <sup>2</sup>	2011	2012	2013	2014	2015
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Value of crop production	4,922.4	4,963.1	5,424.2	4,471.9	4,275.6
Food grains	306.5	336.0	281.0	215.1	217.8
Feed crops	1,778.0	1,993.6	1,658.9	1,427.9	1,297.1
Oil crops	909.8	1,206.0	1,113.7	920.2	844.6
Fruits and tree nuts	438.4	207.3	534.5	477.9	421.4
Vegetables, potatoes, dry beans	597.8	544.6	599.6	554.4	603.1
All other crops	1,002.6	1,049.1	1,076.5	997.2	992.0
Home consumption	1.8	1.8	5.2	5.8	6.8
Value of inventory adjustment <sup>3</sup>	-112.6	-375.3	154.8	-126.6	-107.3
Value of livestock production	3,030.4	2,997.1	3,323.5	3,973.6	3,483.3
Meat animals	850.9	829.8	947.8	1,076.6	977.5
Dairy products	1,774.3	1,694.4	1,872.9	2,309.5	1,697.4
Poultry and eggs	299.0	343.3	432.1	498.2	680.2
Miscellaneous livestock	71.0	74.6	75.2	79.1	77.0
Home consumption	9.7	10.7	10.6	9.0	8.7
Value of inventory adjustment <sup>3</sup>	25.5	44.4	-15.2	1.2	42.5
Farm related income	941.7	1,147.0	939.1	966.7	1,141.9
Forest products sold	3.7	3.2	5.6	7.7	22.0
Machine hire and custom work	226.5	77.0	70.9	123.0	191.2
Other farm income	371.6	659.0	448.8	377.4	507.8
Gross imputed rental value-farm dwellings	339.9	407.7	413.8	458.6	420.9
Value of agricultural sector production	8,894.5	9,107.2	9,686.8	9,412.2	8,900.8
<b>less:</b> Purchased inputs	3,915.7	5,213.1	5,236.1	5,628.4	5,233.9
Farm origin	1,385.3	2,057.6	2,053.4	2,239.7	2,195.2
Feed purchased	692.4	1,127.2	1,122.8	1,345.3	1,275.4
Livestock and poultry purchased	83.2	166.2	152.8	151.2	178.5
Seed purchased	609.6	764.2	777.9	743.2	741.3
Manufactured inputs	1,334.2	1,614.9	1,623.0	1,674.1	1,457.6
Fertilizers and lime	593.3	769.9	735.7	731.2	641.6
Pesticides	265.2	318.9	364.4	338.1	332.6
Petroleum fuel and oils	367.6	401.8	415.3	465.4	353.7
Electricity	108.2	124.3	107.6	139.4	129.7
Other intermediate expenses	1,196.3	1,540.6	1,559.7	1,714.6	1,581.1
Repair and maintenance of capital items	368.8	466.2	499.6	526.6	424.6
Machine hire and custom work	70.2	104.7	98.4	127.6	131.7
Marketing, storage, and transp. expenses	95.7	165.0	149.5	248.9	229.7
Miscellaneous expenses	661.6	804.6	812.2	811.5	795.2
Contract labor	15.1	161.7	23.3	51.0	83.1
<b>plus:</b> Net government transactions	-121.6	-137.7	-183.1	-343.7	-257.8
Direct Government payments	156.6	175.4	142.4	60.6	187.2
Property taxes and fees	278.2	313.1	325.5	404.2	445.0
Gross value added	4,842.1	3,594.8	4,244.3	3,389.1	3,326.0
<b>less:</b> Capital consumption	448.6	782.1	843.3	1,102.6	968.0
Net value added	4,393.5	2,812.6	3,401.0	2,286.5	2,357.9
<b>less:</b> Payments to stakeholders	1,362.3	1,638.7	1,564.8	1,616.2	1,594.2
Employee compensation (total hired labor)	673.8	877.1	807.7	949.7	922.2
Net rent paid to landlords	406.5	354.9	397.8	288.5	275.2
Real estate and nonreal estate interest	282.0	406.8	359.3	378.0	396.8
<b>Net farm income</b>	<b>3,031.3</b>	<b>1,173.9</b>	<b>1,836.2</b>	<b>670.3</b>	<b>763.7</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 2011-2015 <sup>1</sup>**

Item	2011	2012	2013	2014	2015
	<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>	8,028,349	8,278,712	8,592,363	8,556,239	7,808,285
<b>Total livestock and products</b>	2,995,199	2,942,060	3,328,062	3,963,501	3,432,147
Meat animals	850,889	829,767	947,839	1,076,623	977,512
Cattle and calves	433,661	473,212	552,137	679,256	624,664
Hogs	417,228	356,555	395,702	397,367	352,848
Dairy (milk)	1,774,290	1,694,385	1,872,880	2,309,503	1,697,350
Poultry and eggs	298,992	343,328	432,100	498,242	680,254
Miscellaneous livestock	71,027	74,580	75,243	79,132	77,031
<b>Total crops</b>	5,033,150	5,336,651	5,264,302	4,592,738	4,376,138
Field crops	3,472,918	3,978,240	3,504,128	2,930,130	2,733,786
Corn	1,708,850	1,894,577	1,535,417	1,294,288	1,159,913
Dry beans	189,552	120,873	164,659	149,044	161,013
Hay	67,312	97,194	120,811	129,955	134,000
Soybeans	909,819	1,205,990	1,113,748	920,211	844,650
Sugarbeets	289,017	321,769	285,787	215,155	213,181
Wheat	304,652	333,855	278,671	212,305	214,292
Other	3,716	3,982	5,035	9,172	6,737
Vegetables	408,211	423,708	434,930	402,666	442,081
Asparagus	17,322	17,274	18,640	20,505	19,754
Cabbage, fresh	12,144	11,900	11,040	13,392	16,269
Celery	12,958	22,380	20,359	18,853	18,897
Corn, sweet (fresh)	20,539	24,218	23,400	20,452	24,102
Cucumbers, fresh	19,228	17,978	13,965	13,872	13,498
Cucumbers, processing	45,125	37,195	37,352	35,099	37,642
Onions	9,664	7,748	11,082	11,094	10,053
Peppers, bell	14,580	15,808	13,875	13,468	14,896
Potatoes	156,072	165,665	177,210	177,361	166,056
Pumpkins	16,762	13,230	11,212	11,398	12,080
Squash	19,598	24,024	17,690	18,032	19,543
Tomatoes, fresh	21,120	20,800	31,680	16,636	41,808
Tomatoes, processing	11,340	14,210	13,600	15,116	11,120
Other	31,759	31,278	33,825	17,388	36,363
Fruits and nuts	438,405	207,347	534,533	477,866	421,419
Apples	201,650	40,475	254,953	221,115	221,630
Blueberries	118,700	122,700	125,200	123,840	95,565
Grapes	33,957	17,646	35,017	19,353	25,200
Peaches	11,995	2,624	13,972	7,758	5,906
Strawberries	4,522	4,826	7,095	7,258	4,375
Sweet cherries	18,042	6,133	21,012	27,708	13,570
Tart cherries	47,210	12,880	74,515	68,827	53,499
Other	2,329	63	2,769	2,007	1,674
All other crops	713,616	727,356	790,711	782,076	778,852
Floriculture	376,135	379,020	418,931	413,939	409,078
Other	337,481	348,336	371,780	368,137	369,774

<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, 2014-2015

Item	United States		Northern Crescent <sup>1</sup>	
	2014	2015	2014	2015
	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>
Gross value of production	603.18	612.56	565.43	580.91
Operating costs				
Seed	101.04	101.62	93.01	93.66
Fertilizer <sup>2</sup>	149.23	137.33	162.11	150.53
Chemicals	29.20	27.95	28.56	27.26
Custom operations	18.24	19.04	22.51	23.44
Fuel, lube, and electricity	32.80	21.28	29.68	19.35
Repairs	26.17	26.18	25.77	25.67
Purchased irrigation water	0.12	0.12	0.00	0.00
Interest on operating capital	0.12	0.28	0.12	0.29
Total, operating costs	356.92	33.80	361.76	340.20
Allocated overhead				
Hired labor	3.16	3.28	3.94	4.08
Opportunity cost of unpaid labor	24.75	25.63	32.89	34.11
Capital recovery of machinery and equipment	100.15	102.63	87.82	90.17
Opportunity cost of land (rental rate)	175.60	179.15	114.28	116.71
Taxes and insurance	9.34	11.01	10.03	11.85
General farm overhead	19.88	19.83	26.07	25.97
Total, allocated overhead	332.88	341.53	275.03	282.89
Total, costs listed	689.80	675.33	636.79	623.09
Value of production less total costs listed	-86.62	-62.77	-71.36	-42.18
Value of production less operating costs	246.26	278.76	203.67	240.71
Supporting information				
Yield (bushels per planted acre)	170	167	156	158
Price (dollars per bushel at harvest)	3.54	3.66	3.58	3.62
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, 2014-2015

Item	United States		Northern Crescent <sup>1</sup>	
	2014	2015	2014	2015
	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>
Gross value of production	497.76	408.00	495.00	429.73
Operating costs				
Seed	60.06	60.57	62.99	63.43
Fertilizer <sup>2</sup>	36.70	34.22	49.47	45.96
Chemicals	28.62	27.58	22.53	21.65
Custom operations	10.25	10.71	12.56	13.09
Fuel, lube, and electricity	21.58	14.08	17.33	11.24
Repairs	23.33	23.43	19.63	19.65
Purchased irrigation water	0.06	0.06	0.00	0.00
Interest on operating capital	0.05	0.15	0.06	0.15
Total, operating costs	180.65	170.80	184.57	175.17
Allocated overhead				
Hired labor	3.10	3.26	1.71	1.77
Opportunity cost of unpaid labor	18.07	18.79	18.04	18.69
Capital recovery of machinery and equipment	88.19	90.39	73.45	75.16
Opportunity cost of land (rental rate)	158.43	161.54	125.97	128.65
Taxes and insurance	10.17	10.81	10.41	11.06
General farm overhead	18.32	18.36	22.82	22.84
Total, allocated overhead	296.28	303.15	252.40	258.17
Total, costs listed	476.93	473.95	436.97	433.34
Value of production less total costs listed	20.83	-65.95	58.03	-3.61
Value of production less operating costs	317.11	237.20	310.43	254.56
Supporting information				
Yield (bushels per planted acre)	48	48	44	49
Price (dollars per bushel at harvest)	10.37	8.50	11.25	8.77
Enterprise size (planted acres) <sup>3</sup>	273	273	136	136
Production practices <sup>3</sup>				
Irrigated (percent)	10	10	3	3
Dryland (percent)	90	90	97	97

<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, 2012.

**Milk and milk cow replacement prices received by farmers, 2015-2016**

Month	Milk cows per head <sup>1</sup>	All milk wholesale per cwt
	<i>Dollars</i>	<i>Dollars</i>
2015		
January	2,200	17.60
February		16.60
March		16.20
April	2,100	16.20
May		16.00
June		16.00
July	2,100	15.90
August		16.00
September		17.20
October	2,100	17.30
November		17.80
December		16.50
2016		
January	2,000	15.30
February		14.80
March		14.10
April	1,900	14.00
May		13.50
June		13.70
July	1,750	14.80
August		15.60
September		16.20
October	1,700	
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, 2010-2015**

Month	2010-11	2011-12	2012-13	2013-14	2014-15
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Sept.	23	13	18	18	23
Oct.	18	58	35	53	48
Nov.	12	9	8	10	9
Dec.	3	2	7	4	3
January	2	2	5	3	3
February	6	1	3	1	2
March	3	1	4	1	1
April	5	3	1	1	1
May	3	2	2	1	1
June	5	4	3	2	1
July	1	1	1	1	1
August	19	4	13	5	7

**Corn: Percent of sales by month, 2010-2015**

Month	2010-11	2011-12	2012-13	2013-14	2014-15
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Oct.	21	10	14	7	7
Nov.	11	22	20	16	13
Dec.	9	10	7	11	15
January	14	14	10	13	11
February	8	9	7	10	7
March	8	8	8	8	8
April	8	6	4	7	7
May	5	5	5	6	6
June	5	5	9	5	9
July	4	5	7	7	8
August	4	3	5	6	3
Sept.	3	3	4	4	6

**Hay: Percent of sales by month, 2010-2015**

Month	2010-11	2011-12	2012-13	2013-14	2014-15
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
June	14	10	18	12	15
July	15	9	19	11	13
August	11	10	14	10	11
Sept.	7	9	6	8	8
Oct.	7	7	7	9	7
Nov.	8	7	6	9	7
Dec.	8	10	8	7	8
January	7	8	4	7	7
February	8	9	5	8	7
March	7	8	5	7	7
April	4	8	4	6	6
May	4	5	4	6	4

**Oats: Percent of sales by month, 2010-2015**

Month	2010-11	2011-12	2012-13	2013-14	2014-15
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	26	6	22	16	1
August	52	52	25	54	28
Sept.	4	13	2	8	56
Oct.	2	5	2	3	9
Nov.	2	4	1	1	1
Dec.	3	1	2	1	
January	3	8	5	1	1
February	1	1	2	6	1
March	4	1	5	6	1
April	1	5	2	1	1
May	1	3	5	2	
June	1	1	27	1	1

**Soybeans: Percent of sales by month, 2010-2015**

Month	2010-11	2011-12	2012-13	2013-14	2014-15
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Sept.	13	1	7	3	1
Oct.	41	34	40	32	26
Nov.	8	14	11	20	20
Dec.	6	8	5	8	12
January	11	12	11	12	10
February	5	10	6	8	6
March	4	9	3	4	6
April	3	5	3	4	4
May	2	3	5	3	3
June	3	2	4	3	5
July	2	1	3	1	4
August	2	1	2	2	3

**Wheat: Percent of sales by month, 2010-2015**

Month	2010-11	2011-12	2012-13	2013-14	2014-15
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	69	52	73	44	30
August	15	23	10	25	38
Sept.	5	6	5	9	9
Oct.	1	2	1	5	3
Nov.	1	1	1	1	4
Dec.	1	2	1	2	5
January	4	4	3	3	2
February	2	3	1	3	1
March	1	3	1	4	2
April	1	1	1	1	2
May		1	2	1	2
June		2	1	2	2

**Crops: Marketing year average prices received by farmers, 2011-2015 <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>
2011	6.14	6.71	3.58	12.10	45.60	11.60	110.00	121.00
2012	6.69	7.91	4.02	14.00	39.90	11.60	173.00	178.00
2013	4.18	6.71	3.68	12.90	43.10	11.90	165.00	182.00
2014	3.65	5.74	3.40	10.10	35.30	11.70	151.00	170.00
2015	3.50	5.61	1.97	8.82	28.90	10.40	149.00	154.00

<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, 2014-2015 marketing years**

2014-2015 Marketing years	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry Beans 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>
2014							
June						148.00	165.00
July		5.75	4.09			127.00	150.00
August		5.71	3.55			141.00	160.00
September		5.57	3.33	11.20	36.00	154.00	170.00
October	3.51	5.06	3.26	10.10	34.10	149.00	165.00
November	3.56	5.76	3.27	10.10	33.90	167.00	185.00
December	3.63	6.11		10.10	38.10	163.00	180.00
2015							
January	3.75	6.15		10.40		159.00	185.00
February	3.69	5.93		9.88	40.40	166.00	190.00
March	3.73	5.96	3.25	9.91	46.20	159.00	170.00
April	3.78	6.18	3.28	10.00	39.80	161.00	175.00
May	3.58	5.89		9.61	38.90	154.00	165.00
June	3.39	5.62		9.68	45.10		
July	3.88			10.20			
August	3.73			8.92	31.00		
September	3.73						
2015							
June						151.00	160.00
July		5.72	2.66			146.00	150.00
August		5.67	1.91			149.00	170.00
September		5.50	1.93	8.92	31.00	156.00	165.00
October	3.63	5.64	1.89	8.73	28.60	161.00	180.00
November	3.50	5.81	1.84	8.30	27.00	187.00	200.00
December	3.56	5.63		8.40	25.30	144.00	160.00
2016							
January	3.65	5.15	2.53	8.58	28.50	143.00	150.00
February	3.71	5.58		8.59		125.00	135.00
March	3.57	5.25	2.10	8.70		124.00	130.00
April	3.71	5.27	1.94	9.01	25.20	123.00	130.00
May	3.75	5.53	2.29	9.66	27.00	118.00	135.00
June	3.95	4.96		10.50	30.00		
July	3.77			10.30	31.20		
August	3.45			10.10	33.70		
September	3.43						

**Prices paid index for agricultural production items, U.S., base=2011**

Commodity	2011	2012	2013	2014	2015
Feed, grains	100.0	110.4	102.2	70.7	64.1
Feed, complete	100.0	116.7	120.5	121.5	114.5
Feed, concentrates	100.0	118.5	124.1	135.5	118.0
Feed, forage	100.0	117.4	118.2	113.5	98.3
Nitrogen	100.0	105.8	104.2	102.2	91.1
Potash & Phosphate	100.0	100.8	95.4	94.5	84.6
Fungicides	100.0	105.0	106.4	104.5	101.7
Herbicides	100.0	106.0	108.0	109.7	107.4
Insecticides	100.0	104.3	111.1	112.1	107.2
Seeds & Plants	100.0	105.5	110.2	113.5	114.3
Cows, milk replacement	100.0	100.5	97.2	129.2	140.3
Feeder cattle	100.0	109.2	109.2	157.2	156.4
Feeder pigs	100.0	90.2	112.7	181.6	96.7
Fuels, diesel	100.0	102.5	97.0	92.1	61.2
Fuels, gasoline	100.0	103.0	102.8	104.0	67.2
Fuels, LP gas	100.0	79.8	97.3	112.1	67.2
Machinery, self propelled	100.0	106.4	109.1	114.4	118.1
Tractors	100.0	103.3	106.2	108.2	109.6
Trucks & Autos	100.0	101.9	103.4	104.4	105.5
Building materials	100.0	102.6	104.6	106.9	107.4
Supplies & Repairs	100.0	102.9	103.8	105.7	105.8
Labor	100.0	102.9	106.3	108.0	111.9
Custom Rates	100.0	103.0	106.1	109.3	111.8
Interest	100.0	99.3	93.3	92.8	99.9
Rent	100.0	101.7	105.6	114.2	120.9
Taxes	100.0	101.0	103.4	116.3	123.6

## Farm Labor

**Hired farm workers: Annual average wage rates, 2011-2015 <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>
2011	11.40	11.09	10.78
2012	12.05	11.55	11.30
2013	12.15	11.96	11.49
2014	12.18	11.73	11.56
2015	12.86	12.11	12.02

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

# Agricultural Exports

## Michigan agricultural exports: Calendar year 2015 <sup>1 2</sup>

Commodity	Value	Percent of total	Rank in U.S.
	<i>Million dollars</i>	<i>Percent</i>	<i>Number</i>
Soybeans	447.7	16.0	13
Dairy products	248.9	8.9	7
Feeds & fodder	238.2	8.5	13
Vegetables (fresh and processed)	222.9	8.0	6
Corn	200.8	7.2	11
Fruit (fresh and processed)	188.1	6.7	5
Wheat	119.4	4.3	13
Soybean meal	113.7	4.1	13
Pork	93.4	3.3	12
Grain products	79.0	2.8	15
Vegetable oils	69.8	2.5	13
Poultry products	67.6	2.4	12
Beef and veal	50.3	1.8	29
Other livestock products	33.7	1.2	30
Hides and skins	24.0	0.9	25
Other	604.2	21.6	
<b>Total</b>	<b>2,801.6</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, 2014-2015 <sup>1 2</sup>

Country	2014	2015
	<i>Dollars</i>	<i>Dollars</i>
Canada	417,336,223	320,917,256
Japan	27,145,897	28,593,504
Mexico	25,347,344	27,279,157
Italy	10,583,237	13,829,521
Indonesia	36,000,354	11,121,133
Thailand	225,001	5,772,308
Dominican Republic	0	2,661,809
South Korea	693,208	1,521,266
Jamaica	1,219,147	1,358,479
Malaysia	447,120	1,340,577
Others	28,932,884	13,604,775
<b>Total</b>	<b>547,930,415</b>	<b>427,999,785</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 winter preceding the 2015 season was much colder than normal. The mean temperature was 17.7°F, the 18th coldest on record. With significant snow cover during most of the winter, extreme low 2-inch soil temperatures bottomed out in the 30-32°F range across most of the state. The winter was also drier than normal, with a mean precipitation total of 4.01 inches. At the beginning of March, soil moisture levels in the top 3 feet of the profile were below normal across southern sections but were near or above normal levels across central and northern sections.

Temperatures moderated by early April. Drier than normal conditions continued during most of March and April. Some areas of the state had 21 consecutive days without measureable precipitation during April. The cool, dry weather was not conducive for spring fieldwork. Above normal temperatures the last week of April and the first week of May allowed rapid progress of fieldwork and accelerated growth and development of overwintering crops. Much of the corn crop was planted during the first two weeks of May; emergence began during the 2nd week of the month. Scattered frost and freezing temperatures were observed, mostly across northern and interior central sections on the 12th-14th and on the 19th and 20th. Besides a slowdown in the rates of germination and emergence, the effects of the cold were minor.

Rainfall was persistent and occasionally heavy during the third week of May and the second week of June, resulting in major fieldwork delays and localized flooding in some northeastern and southern portions of Lower Michigan. The wet weather changed soil moisture conditions for many areas from too dry to abnormally wet. Corn planting was generally completed in early June, but cool temperatures continued to slow emergence and early vegetative development. June precipitation totals ranged from less than 2.0" (less than 75% of normal) across a few northern sections to more than 10.0" (greater than 300% of normal) across south central and southeastern sections of Lower Michigan. June precipitation totals across the southern three tiers of counties approached long term records for the wettest June in some locations. Mean monthly temperatures were 1-4°F below normal. The cool, wet conditions stressed early vegetative growth of most spring-planted crops. There was localized flooding, major difficulties with forage harvest, lodging of winter grains, heavy weed and disease pressure, and leaching of nitrogen.

During the second week of July warmer temperatures arrived. Late July-early August had hot, dry weather, which accelerated crop growth and development. July mean temperatures ranged from near normal across northern sections to as much as 3°F below normal in the extreme south. July precipitation totals ranged from less than 0.5" across the northern Lower Peninsula (less than 25% of normal) to more than 5.0" (more than 150% of normal) along the Indiana/Ohio border. Given warmer temperatures late in the month and increasing crop water use rates, as most crops advanced towards full canopy, soil moisture levels fell rapidly in most areas. The corn crop generally passed through critical tassel and pollination states during the last two weeks of July and first week of August, just a few days behind normal.

Late August through early September had unseasonably warm and humid weather. The warm temperatures were helpful for late season growth and development of crops. August mean temperatures ranged from 1-3°F below normal across southern and western sections to 1-3°F above normal across the north and east. August precipitation totals ranged from less than 2.0" across northern sections of the Upper Peninsula to more than 5.0" (greater than 150% of normal) in central and eastern portions of Lower Michigan. At the end of August, moisture deficits continued across the northern Upper and northwestern Lower Peninsulas.

September mean temperatures ranged from 4°F above normal across southern sections to 7°F above normal in the north. Precipitation totals ranged from less than 3.0" across southern sections of the Lower Michigan and the central Upper Peninsula to more than 5.0" across the northwestern Lower Peninsulas (approximately 50-150% of normal). The below normal humidity and cloudiness was nearly ideal for crop maturation and grain dry down. Cooler, more seasonable weather came in mid-October. The first freezing temperatures of the season in most central and southern sections were on the 17th, 18th, and 19th. Over most of these areas, the first freeze was at least one week later than normal. The milder and drier than normal conditions during most of September and early October favored fall fieldwork activities. Growing degree day totals for the season surged to at least normal levels over all but central sections; most locations ended the May through September growing season 50-100 units above normal, roughly 5-10 days ahead of normal.

### Field crops: Acres harvested and value of production, 2011-2015

Item	Unit	2011	2012	2013	2014	2015
Acres harvested	1,000 acres	6,501	6,615	6,438	6,487	6,319
Value of production	1,000 dollars	4,425,163	4,606,889	3,846,327	3,356,414	3,259,219

### Grain storage capacity, December 1, 2011-2015

Year	Off farm		On farm capacity
	Facilities	Rated capacity	
	<i>Number</i>	<i>Million bushels</i>	<i>Million bushels</i>
2011	201	190	290
2012	201	200	290
2013	206	210	290
2014	200	217	295
2015	192	220	300



**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	6	2011,2015	1866
Yield per acre	Bushels	68.0	1985	13.5	1933	
Production	1,000 bu	8,400	1918	288	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	162.0	2015	21.5	1917	
Production	1,000 bu	355,810	2014	15,120	1869	
Corn for silage						
Harvested acres	1,000 acres	498	1971	210	2003	1919
Yield per acre	Tons	20.5	2014	4.7	1930	
Production	1,000 tons	6,560	2014	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	25	2011	1866
Yield per acre	Bushels	70.0	2003	18.5	1921	
Production	1,000 bu	69,388	1946	1,600	2011	
Potatoes						
Harvested acres	1,000 acres	374.0	1895	36.4	1975	1866
Yield per acre	Cwt	390.0	2015	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	49.0	2015	8.0	1927	
Production	1,000 bu	98,980	2015	10	1930	
Spearmint						
Harvested acres	1,000 acres	8.7	1954	0.7	1935	1935
Yield per acre	Pounds	70.0	2011,2012,2013	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	31.7	2015	5.5	1916	
Production	1,000 tons	4,787	2015	298	1943	
Wheat, winter						
Harvested acres	1,000 acres	1,515	1953	400	1987	1909
Yield per acre	Bushels	81.0	2015	10.5	1912	
Production	1,000 bu	50,625	2011	7,350	1912	

# Barley

**Barley: Acres, yield, production, and value, 2011-2015**

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>
2011	10	6	48	288	3.50	1,008
2012	11	9	48	432	5.00	2,160
2013	10	9	52	468	4.75	2,223
2014	9	8	53	424	3.89	1,649
2015	11	6	56	336	3.80	1,277

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

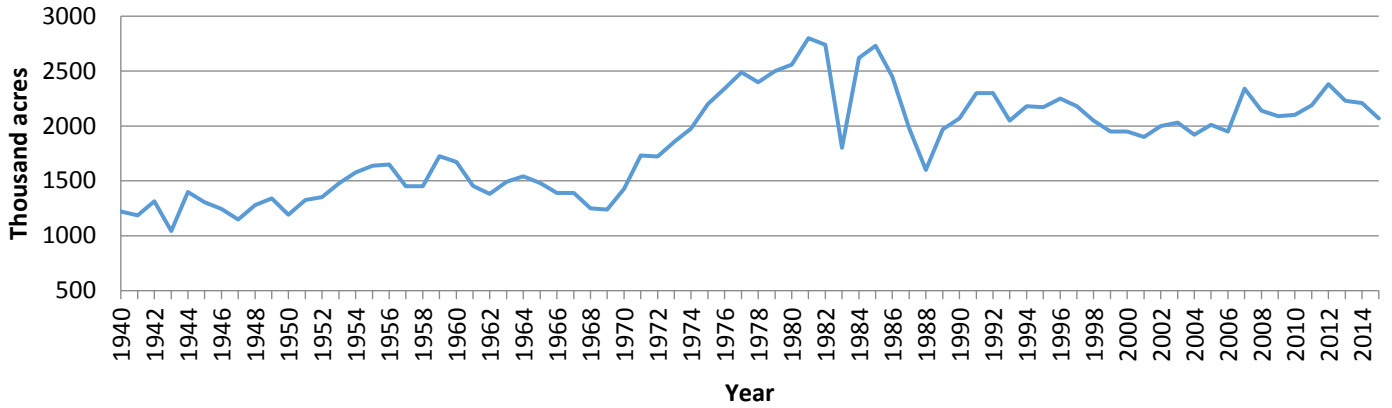
# Corn

**Corn: Acres, yield, production, and value, 2011-2015**

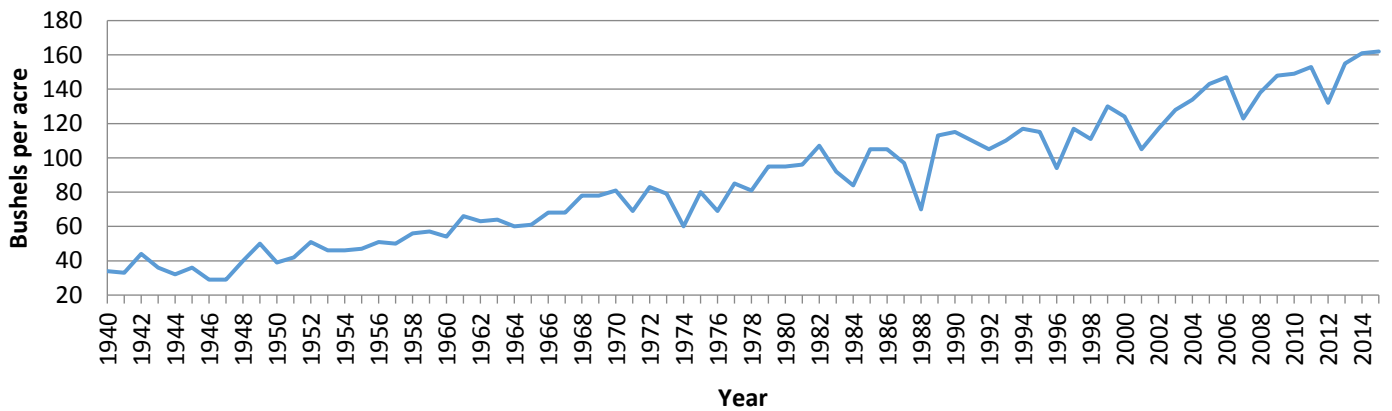
Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2011	2,500					
2012	2,700					
2013	2,600					
2014	2,550					
2015	2,350					
Grain						
2011		2,190	153	335,070	6.14	2,057,330
2012		2,380	132	314,160	6.69	2,101,730
2013		2,230	155	345,650	4.18	1,444,817
2014		2,210	161	355,810	3.65	1,298,707
2015		2,070	162	335,340	3.50	1,173,690
Silage	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>		
2011		300	18.0	5,400		
2012		300	15.5	4,650		
2013		350	17.5	6,125		
2014		320	20.5	6,560		
2015		260	19.0	4,940		

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

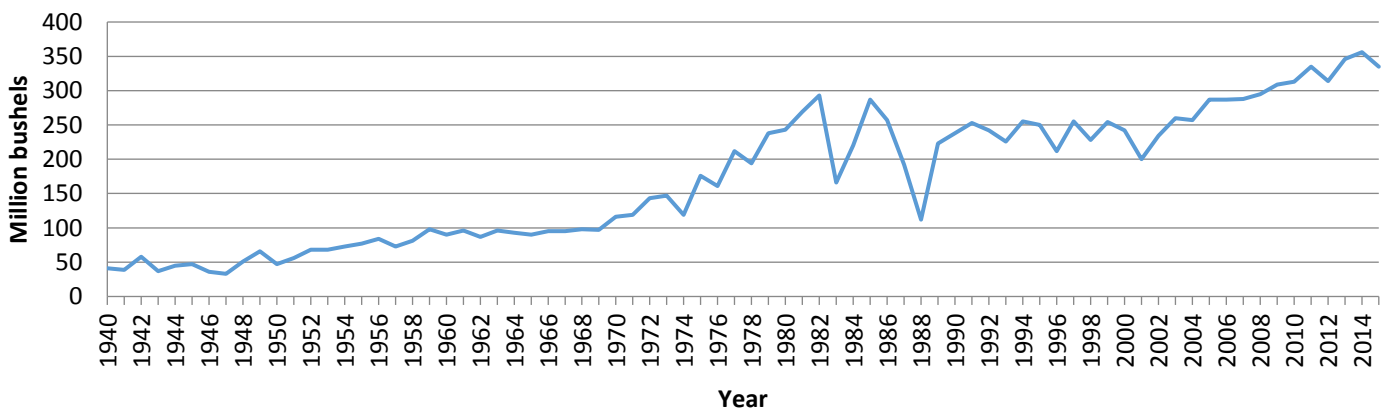
### Corn for grain acres, 1940-2015



### Corn yield, 1940-2015



### Corn production, 1940-2015



**Corn for grain: Stocks by quarter, 2011-2015**

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm	On farm	Off farm	On farm	Off farm	On farm	Off farm
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2011	200,000	70,450	96,000	56,300	46,000	42,300	13,000	11,866
2012	155,000	81,776	78,000	62,728	34,000	39,398	8,400	9,240
2013	195,000	96,334	105,000	81,306	43,000	53,674	15,000	20,616
2014	215,000	67,968	110,000	63,953	45,000	43,723	11,500	16,520
2015	185,000	91,642	99,000	75,358	45,000	48,941	15,500	23,675

**Corn: Percentage of acreage planted, 2011-2015**

Year	Month and day						
	April		May			June	
	20	30	10	20	30	10	
2011	0	1	17	52	69	92	
2012	9	30	55	87	98	100	
2013	0	1	24	80	92	98	
2014	0	2	18	36	73	96	
2015	1	19	61	82	95	99	
5-year-average	2	11	35	67	86	97	

**Corn: Percentage of acreage silked, 2011-2015**

Year	Month and day					
	July			August		
	1	10	20	30	10	20
2011	0	1	27	68	93	98
2012	2	18	65	90	99	100
2013	0	5	38	80	94	100
2014	1	6	32	65	90	97
2015	1	3	35	77	96	100
5-year-average	1	7	39	76	94	99

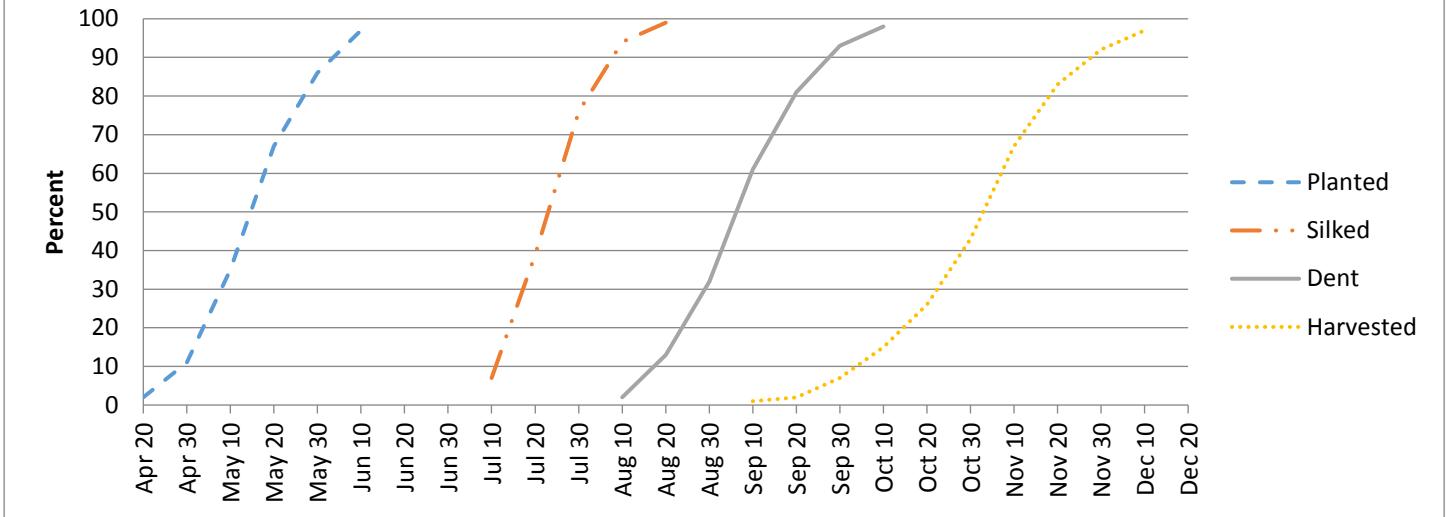
**Corn: Percentage of acreage dent stage, 2011-2015**

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
2011	0	11	26	59	81	93	98
2012	8	28	52	77	92	99	100
2013	0	8	25	57	80	92	97
2014	0	9	26	51	69	84	94
2015	0	8	31	63	85	95	100
5-year-average	2	13	32	61	81	93	98

**Corn: Percentage of acreage harvested for grain, 2011-2015**

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
2011	0	0	3	9	17	32	63	83	94	100
2012	3	8	17	29	46	62	82	94	100	100
2013	0	2	7	14	21	38	62	79	92	95
2014	0	0	2	6	12	27	45	65	77	88
2015	0	0	6	17	35	57	82	93	97	100
5-year-average	1	2	7	15	26	43	67	83	92	97

## Corn progress Five-year average, 2011-2015



## Dry Edible Beans

**Dry edible beans: Acres, yield, production, and value, 2011-2015**

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>
2011	170	168	2,000	3,360	45.60	153,216
2012	200	197	1,790	3,526	39.90	140,687
2013	175	172	1,900	3,270	43.10	140,937
2014	230	226	1,940	4,375	35.30	154,438
2015	275	272	2,030	5,533	28.90	159,904

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

**Dry edible beans: Acres, yield, and production, by class, 2011-2015**

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
<b>Black</b>				
2011	80,000	79,000	2,030	1,602
2012	90,000	89,000	1,800	1,602
2013	78,500	76,500	1,900	1,455
2014	110,000	108,000	1,920	2,074
2015	140,000	139,000	2,050	2,850
<b>Cranberry</b>				
2011	3,500	3,500	1,460	51
2012	3,400	3,400	1,500	51
2013	3,500	3,400	1,260	43
2014	5,000	4,900	1,460	72
2015	6,100	5,900	1,710	101
<b>Navy</b>				
2011	50,000	49,500	2,100	1,040
2012	70,000	69,000	1,850	1,277
2013	60,000	59,600	2,110	1,256
2014	75,000	74,300	2,180	1,620
2015	80,000	79,800	2,140	1,708
<b>Pinto</b>				
2011	3,100	3,000	1,730	52
2012	2,000	1,900	1,600	30
2013	2,300	2,200	1,840	40
2014	2,000	1,900	1,600	30
2015	2,100	2,000	1,580	32
<b>Red kidney, dark</b>				
2011	2,800	2,700	1,000	27
2012	2,800	2,700	1,300	35
2013	2,300	2,200	890	20
2014	3,300	2,700	930	25
2015	4,500	3,800	1,340	51
<b>Red kidney, light</b>				
2011	7,000	7,000	1,960	137
2012	6,700	6,600	2,000	132
2013	7,900	7,800	1,620	127
2014	8,300	8,200	1,590	130
2015	9,100	8,900	1,800	160
<b>Small, red</b>				
2011	18,000	18,000	1,950	351
2012	19,500	19,300	1,700	328
2013	15,500	15,400	1,850	285
2014	20,000	19,600	1,830	359
2015	27,800	27,300	2,020	551
<b>Other</b>				
2011	5,600	5,300	1,890	100
2012	5,600	5,100	1,400	71
2013	5,000	4,900	900	44
2014	6,400	6,400	1,020	65
2015	5,400	5,300	1,510	80

# Hay and Haylage

## Hay, haylage, and greenchop: Acres, yield, production, and value, 2011-2015

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						
2011		1,000	2.75	2,750	110.00	314,900
2012		970	1.88	1,820	173.00	316,148
2013		940	2.68	2,518	165.00	433,823
2014		980	2.62	2,570	151.00	404,056
2015		970	2.68	2,604	149.00	417,570
Alfalfa hay						
2011		700	3.20	2,240	121.00	271,040
2012		660	2.10	1,386	178.00	246,708
2013		610	3.10	1,891	182.00	344,162
2014		640	2.90	1,856	170.00	315,520
2015		660	3.10	2,046	154.00	341,682
Alfalfa seedings						
2011	90					
2012	95					
2013	95					
2014	90					
2015	115					
Other hay						
2011		300	1.70	510	86.00	43,860
2012		310	1.40	434	160.00	69,440
2013		330	1.90	627	143.00	89,661
2014		340	2.10	714	124.00	88,536
2015		310	1.80	558	136.00	75,888
All haylage and greenchop						
2011		270	6.90	1,863		
2012		250	6.26	1,566		
2013		295	7.20	2,123		
2014		290	8.02	2,326		
2015		295	8.44	2,491		
Alfalfa haylage and greenchop						
2011		250	7.10	1,775		
2012		220	6.60	1,452		
2013		270	7.40	1,998		
2014		260	8.60	2,236		
2015		270	8.80	2,376		

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

## Hay: Stocks on farms, 2012-2016

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2012	360	835
2013	140	1,140
2014	270	2,000
2015	490	1,800
2016	440	( <sup>1</sup> )

<sup>1</sup> Published in January 2017.

# Maple Syrup

**Maple syrup: Taps, yield, production, price, and value, 2012-2016**

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>
2012	435	0.159	69	51.60	3,560
2013	490	0.302	148	48.80	7,222
2014	430	0.244	105	49.50	5,198
2015	470	0.270	127	54.50	6,922
2016	400	0.225	90	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Published in June 2017.

# Oats

**Oats: Acres, yield, production, and value, 2011-2015**

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>
2011	40	25	64	1,600	3.58	5,728
2012	50	35	60	2,100	4.02	8,442
2013	50	30	62	1,860	3.68	6,845
2014	55	40	69	2,760	3.40	9,384
2015	75	50	67	3,350	1.97	6,700

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



# Potatoes

## Fall potatoes: Acres, yield, production, and value, 2011-2015

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>
2011	45.0	44.0	345	15,180	11.60	176,088
2012	47.0	46.0	350	16,100	11.60	186,760
2013	44.5	44.0	360	15,840	11.90	188,496
2014	43.0	42.5	370	15,725	11.70	183,983
2015	46.0	45.0	390	17,550	10.40	184,275

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

## Fall potatoes: Stocks by type as percent of total stocks, December 1, 2011-2015

Type	2011	2012	2013	2014	2015
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	88	86	( <sup>1</sup> )	85	85
Russet	11	13	( <sup>1</sup> )	14	14
Red	1	1	( <sup>1</sup> )	0	0
Yellow	0	0	( <sup>1</sup> )	1	1

<sup>1</sup> Suspended due to sequestration.

## Fall potatoes: Production and disposition, 2011-2015

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>
2011	15,180	1,168	260	1,420	13,500
2012	16,100	1,068	273	764	15,063
2013	15,840	1,035	310	430	15,100
2014	15,725	1,058	315	450	14,960
2015	17,550	1,152	335	540	16,675

## Fall potatoes: Stocks, 2011-2015

Crop year	December 1	February 1	April 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
2011	8,600	4,700	1,200
2012	9,500	5,700	( <sup>1</sup> )
2013	( <sup>1</sup> )	( <sup>1</sup> )	2,100
2014	9,400	5,000	2,200
2015	10,900	6,500	2,700

<sup>1</sup> Estimate suspended due to sequestration.

# Soybeans

**Soybeans: Acres, yield, production, and value, 2011-2015**

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>
2011	1,950	1,940	44.5	86,330	12.10	1,044,593
2012	2,000	1,990	43.0	85,570	14.00	1,197,980
2013	1,930	1,920	44.5	85,440	12.90	1,102,176
2014	2,050	2,040	42.5	86,700	10.10	875,670
2015	2,030	2,020	49.0	98,980	8.82	851,228

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

**Soybeans: Stocks by quarter, 2011-2015**

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm	On farm	Off farm	On farm	Off farm	On farm	Off farm
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2011	31,000	34,300	16,500	25,000	5,100	16,000	900	2,957
2012	25,000	28,591	11,000	13,494	6,200	6,090	300	1,703
2013	20,000	25,315	5,000	12,516	1,900	5,283	750	1,397
2014	28,500	36,200	12,500	20,871	5,000	11,838	650	3,891
2015	28,000	36,224	16,000	20,267	6,000	15,221	710	5,154

**Soybeans: Percentage of acreage planted, 2011-2015**

Year	Month and day						
	April	May			June		
	30	10	20	30	10	20	30
2011	1	6	21	34	73	96	99
2012	10	25	62	87	99	100	100
2013	0	9	51	73	91	100	100
2014	0	9	19	52	91	98	100
2015	5	32	61	85	95	100	100
5-year-average	3	16	43	66	90	99	100

**Soybeans: Percentage of acreage setting pods, 2011-2015**

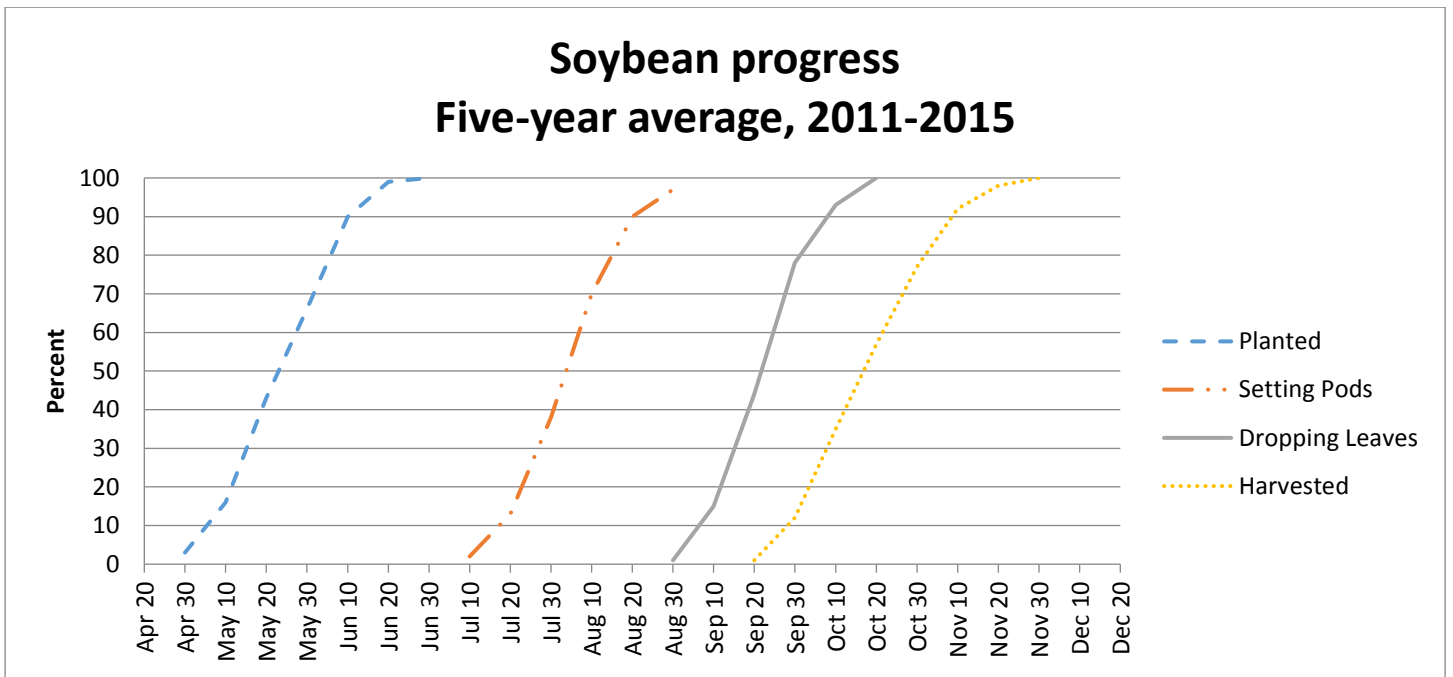
Year	Month and day					
	July			August		
	10	20	30	10	20	30
2011	0	9	18	56	88	98
2012	0	16	47	85	95	99
2013	4	13	41	63	84	95
2014	5	15	46	75	89	96
2015	1	12	38	73	92	97
5-year-average	2	13	38	70	90	97

**Soybeans: Percentage of acreage shedding leaves, 2011-2015**

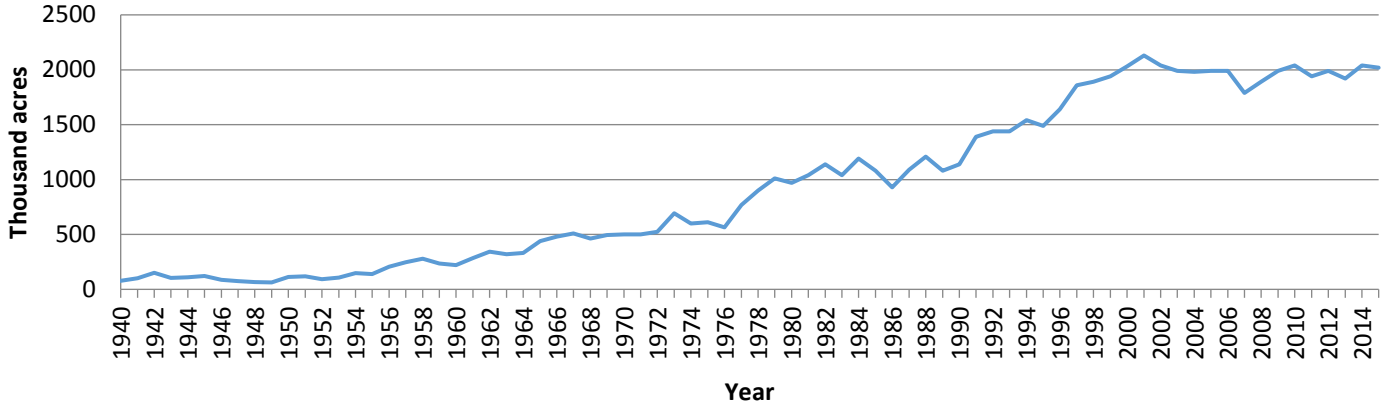
Year	Month and day						
	August		September			October	
	30	10	20	30	10	20	
2011	0	5	28	60	89	99	
2012	4	24	58	91	99	100	
2013	0	6	40	75	88	100	
2014	1	15	37	75	93	100	
2015	0	25	58	88	97	100	
5-year-average	1	15	44	78	93	100	

**Soybeans: Percentage of acreage harvested, 2011-2015**

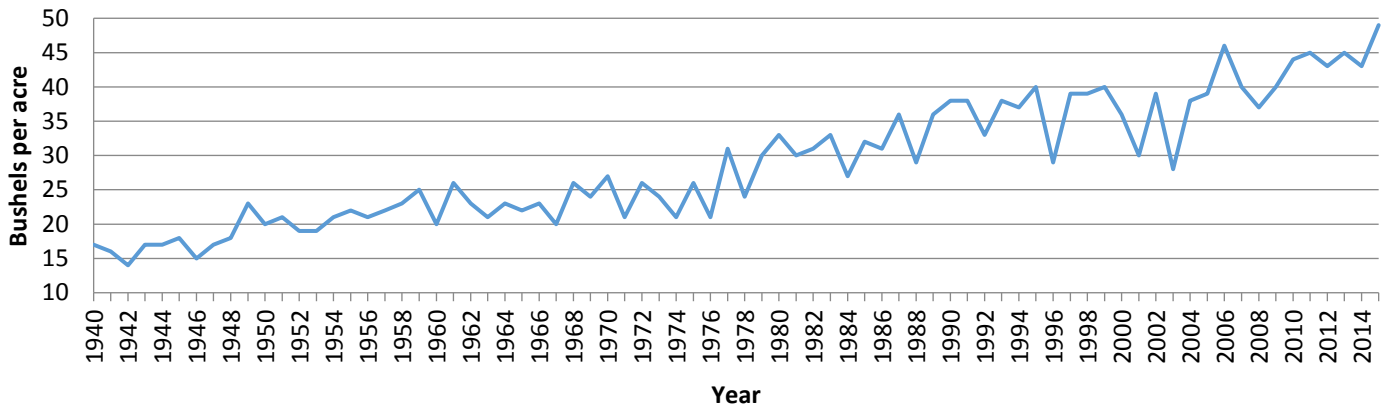
Year	Month and day							
	September		October			November		
	20	30	10	20	30	10	20	30
2011	0	2	27	58	77	93	98	100
2012	4	24	55	76	89	97	100	100
2013	0	7	32	56	69	87	96	100
2014	0	4	15	26	59	86	94	100
2015	1	23	47	71	88	96	100	100
5-year-average	1	12	35	57	77	92	98	100



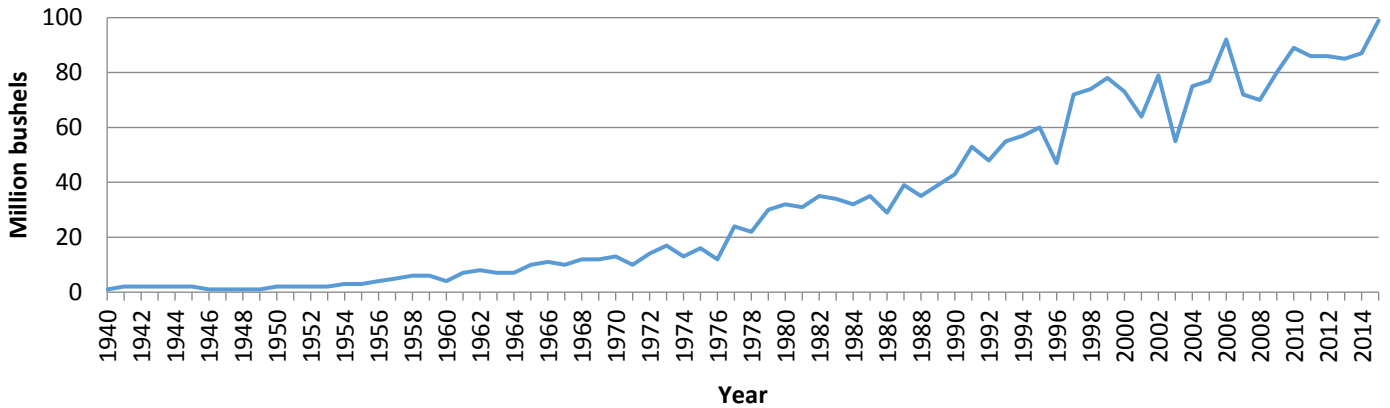
### Soybean harvested acres, 1940-2015



### Soybean yield, 1940-2015



### Soybean production, 1940-2015



# Sugarbeets

**Sugarbeets: Acres, yield, production, and value, 2011-2015**

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>
2011	153	153	24.0	3,672	87.70	322,034
2012	154	153	29.0	4,437	72.40	321,239
2013	154	153	26.2	4,009	53.60	214,882
2014	151	150	29.3	4,395	49.10	215,795
2015	152	151	31.7	4,787	( <sup>2</sup> )	( <sup>2</sup> )

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

<sup>2</sup> Published in February 2017.

# Wheat

**Wheat: Acres, yield, production, and value, 2011-2015**

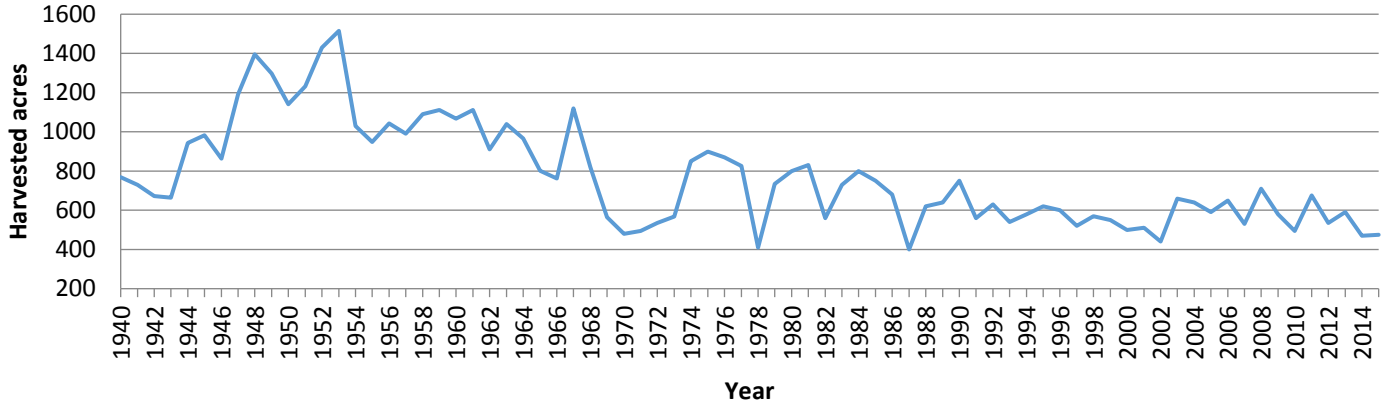
Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	700	675	75	50,625	6.71	339,694
2012	560	535	76	40,660	7.91	321,621
2013	620	590	75	44,250	6.71	296,918
2014	550	470	74	34,780	5.74	199,637
2015	510	475	81	38,475	5.61	217,384

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

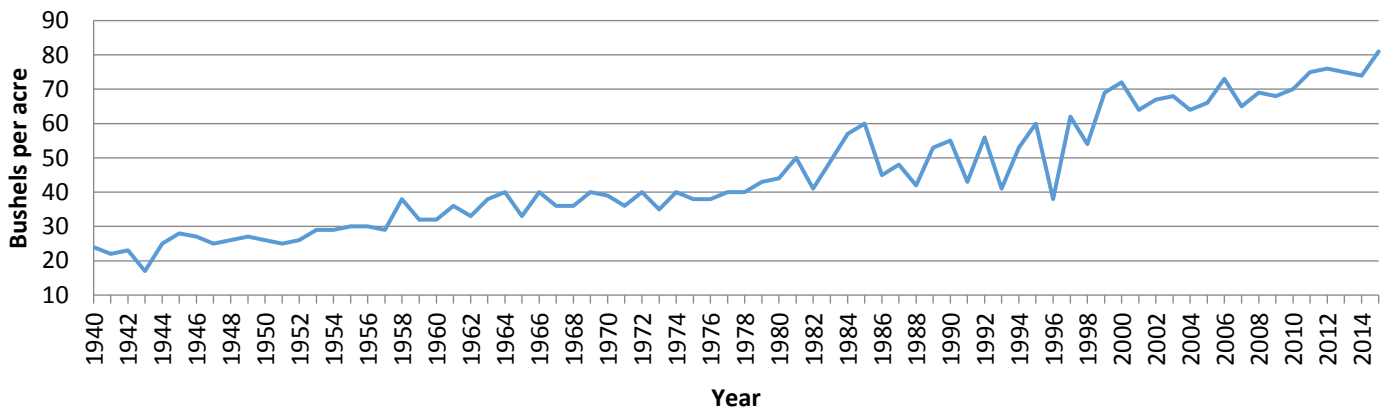
**Wheat: Stocks by quarter, 2011-2015**

Crop year	September 1		December 1		March 1		June 1	
	On farm	Off farm	On farm	Off farm	On farm	Off farm	On farm	Off farm
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2011	5,500	47,850	3,200	41,200	2,500	33,900	400	24,450
2012	2,600	46,182	1,700	41,213	1,000	32,826	600	22,410
2013	4,900	42,436	2,100	35,653	1,500	26,943	420	14,850
2014	3,500	32,369	3,000	25,169	1,300	19,456	510	12,615
2015	4,800	35,817	2,700	30,523	600	23,848	400	15,741

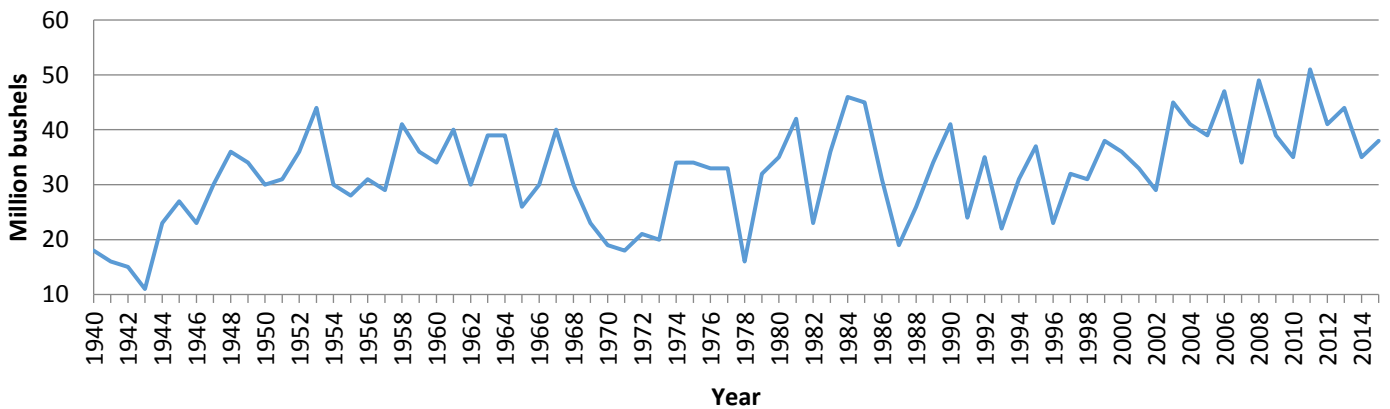
## Wheat harvested acres, 1940-2015



## Wheat yield, 1940-2015



## Wheat production, 1940-2015



# Agricultural Chemical Usage

## Apples: Agricultural chemical applications, 2015 <sup>1</sup>

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
2,4-D, 2-EHE	6	1.5	1.487	2.276	4,400
2,4-D, dimeth. salt	16	1.1	1.062	1.180	6,200
Diuron	5	1.0	1.412	1.468	2,600
Flumioxazin	1	1.0	0.251	0.251	100
Glyphosate iso. salt	22	1.2	1.042	1.204	8,600
Glyphosate pot. salt	1	1.3	1.023	1.288	500
Paraquat	13	1.3	0.707	0.902	3,900
Pendimethalin	5	1.1	2.052	2.218	3,700
Rimsulfuron	4	1.0	0.061	0.064	100
Terbacil	6	1.0	0.588	0.588	1,100
<b>Insecticides</b>					
Abamectin	44	1.1	0.016	0.019	300
Acetamiprid	48	1.4	0.101	0.140	2,200
Carbaryl	26	1.3	0.950	1.198	10,200
Chlorantraniliprole	35	1.6	0.071	0.114	1,300
Chlorpyrifos	66	1.1	1.165	1.254	27,400
Clothianidin	42	1.5	0.114	0.171	2,400
Cyflumetofen	8	1.1	0.163	0.178	500
Emamectin benzoate	30	2.1	0.014	0.030	300
Esfenvalerate	23	1.6	0.033	0.053	400
Fenpropathrin	5	1.2	0.301	0.349	600
Fenpyroximate	6	1.0	0.091	0.095	200
Flubendiamide	15	1.6	0.119	0.186	900
Imidacloprid	24	1.9	0.091	0.170	1,300
Novaluron	10	1.1	0.125	0.134	400
Permethrin	7	1.6	0.277	0.435	1,000
Phosmet	38	2.4	1.638	4.010	50,400
Pyridaben	8	1.0	0.299	0.299	800
Spinetoram	36	1.7	0.041	0.068	800
Spinetoram-L	36	1.7	0.041	0.068	800
Thiamethoxam	19	1.2	0.073	0.089	600
Zeta-Cypermethrin	5	1.6	0.024	0.037	100

See footnote(s) at end of table.

--continued

**Apples: Agricultural chemical applications, 2015 <sup>1</sup> (continued)**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Fungicides</b>					
Basic copper sulfate	15	1.1	1.283	1.432	7,200
Captan	81	5.9	2.241	13.217	352,300
Copper Chloride Hyd.	27	1.1	1.803	2.011	17,600
Copper hydroxide	39	1.1	1.853	2.048	26,400
Copper sulfate	7	1.7	0.263	0.451	1,100
Cyprodinil	46	1.9	0.193	0.370	5,600
Difenoconazole	40	1.5	0.083	0.129	1,700
Dodine	4	1.1	0.600	0.631	900
Fenbuconazole	12	2.0	0.089	0.179	700
Fluopyram	11	1.7	0.085	0.143	500
Fluxapyroxad	23	1.5	0.073	0.108	800
Kasugamycin	17	1.2	0.079	0.098	600
Kresoxim-methyl	6	2.0	0.143	0.289	600
Mancozeb	77	5.1	2.463	12.554	317,200
Metiram	7	3.3	2.551	8.325	19,800
Myclobutanil	42	1.7	0.105	0.176	2,400
Oxytetracycline calcium	9	1.9	0.198	0.366	1,000
Oxytetracycline hydro.	7	2.4	0.187	0.449	1,100
Penthiopyrad	17	1.6	0.177	0.276	1,500
Pyraclostrobin	24	1.5	0.075	0.115	900
Pyrimethanil	18	1.6	0.274	0.444	2,600
Reynoutria sachaline	4	4.7	0.120	0.559	800
Streptomycin sulfate	34	1.8	0.268	0.494	5,600
Sulfur	11	3.1	3.507	10.815	40,500
Thiophanate-methyl	35	2.3	0.415	0.939	10,700
Trifloxystrobin	46	1.9	0.063	0.120	1,800
Ziram	26	2.1	3.151	6.523	56,400
<b>Other chemicals</b>					
Benzyladenine	11	1.1	0.033	0.038	100
Butenoic Acid Hydro	12	1.1	0.062	0.071	300
Gibberellins A4A7	6	1.5	0.037	0.056	100
NAA, Sodium	17	1.5	0.012	0.018	100
Prohexadione calcium	24	1.5	0.170	0.257	2,000
Spirodiclofen	5	1.0	0.254	0.261	400

<sup>1</sup> Bearing acres in 2015 were 33,000 acres.



**Blueberries: Agricultural chemical applications, 2015 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
Clethodim	3	1.1	0.092	0.101	100
Diuron	36	1.2	1.760	2.083	14,400
Flumioxazin	7	1.4	0.196	0.274	400
Glufosinate-Ammonium	2	1.0	0.660	0.660	200
Glyphosate iso. salt	4	1.5	0.569	0.839	600
Glyphosate pot. salt	3	1.2	0.789	0.946	600
Hexazinone	8	1.4	0.616	0.845	1,300
Mesotrione	25	1.1	0.157	0.177	900
Norflurazon	6	1.1	1.174	1.261	1,400
Oryzalin	5	1.0	3.227	3.227	3,000
Paraquat	14	1.2	0.406	0.483	1,300
Simazine	11	1.1	2.579	2.743	5,700
S-metolachlor	1	1.0	1.089	1.094	300
Sulfentrazone	7	1.1	0.318	0.340	500
Terbacil	28	1.1	0.838	0.957	5,100
<b>Insecticides</b>					
Acetamiprid	25	1.3	0.095	0.123	600
Bifenthrin	42	1.5	0.087	0.133	1,100
Carbaryl	3	2.2	1.860	4.159	2,600
Esfenvalerate	45	1.5	0.047	0.070	600
Fenpropathrin	17	1.0	0.274	0.288	1,000
Imidacloprid	25	1.5	0.092	0.138	700
Malathion	26	1.3	1.673	2.242	11,400
Methomyl	37	1.7	0.710	1.174	8,500
Methoxyfenozide	57	1.1	0.193	0.212	2,300
Phosmet	79	2.4	0.920	2.253	34,700
Spinetoram	7	1.9	0.029	0.054	100
Spinetoram-L	7	1.9	0.029	0.054	100
Zeta-Cypermethrin	86	2.8	0.025	0.070	1,200
<b>Fungicides</b>					
Azoxystrobin	61	2.0	0.194	0.384	4,600
Boscalid	19	1.2	0.280	0.338	1,300
Calcium polysulfide	24	1.2	2.078	2.395	11,400
Captan	34	1.5	1.989	3.063	20,000
Chlorothalonil	10	1.2	2.872	3.409	6,600
Cyprodinil	20	1.9	0.281	0.530	2,100
Fenbuconazole	73	1.7	0.089	0.150	2,100
Fludioxonil	20	1.9	0.187	0.353	1,400
Fosetyl-AL	12	2.0	3.979	8.078	19,300
Metconazole	62	1.5	0.080	0.116	1,400
Mono-Potassium Salt	14	1.2	1.765	2.091	5,800
Propiconazole	15	1.8	0.166	0.300	900
Pyraclostrobin	23	1.2	0.147	0.173	800
Ziram	39	1.6	2.675	4.277	32,300

<sup>1</sup> Bearing acres in 2015 for Michigan were 19,400 acres.

**Cherries, sweet: Agricultural chemical applications, 2015 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
2,4-D, dimeth. salt	29	1.0	0.991	0.992	1,900
Glyphosate iso. salt	45	1.1	1.198	1.298	3,900
Paraquat	3	1.0	0.484	0.488	100
<b>Insecticides</b>					
Acetamiprid	17	1.7	0.115	0.196	200
Carbaryl	5	1.4	1.556	2.103	700
Chlorpyrifos	11	1.1	1.568	1.735	1,200
Fenpropathrin	7	1.0	0.306	0.306	100
Flubendiamide	26	1.5	0.107	0.160	300
Imidacloprid	39	1.6	0.087	0.136	300
Indoxacarb	12	1.1	0.097	0.106	100
Lambda-cyhalothrin	19	1.5	0.033	0.048	100
Permethrin	13	2.2	0.168	0.364	300
Phosmet	3	1.2	1.407	1.668	400
Thiamethoxam	58	1.8	0.062	0.115	400
<b>Fungicides</b>					
Basic Copper Sulfate	7	1.3	1.152	1.456	600
Boscalid	8	1.7	0.207	0.351	200
Calcium polysulfide	11	1.5	1.827	2.745	2,000
Captan	72	2.0	1.835	3.625	17,200
Copper chloride hyd.	11	1.2	1.917	2.331	1,600
Copper hydroxide	4	1.2	1.893	2.303	600
Copper sulfate	4	1.4	0.179	0.243	100
Fenbuconazole	81	2.5	0.124	0.305	1,600
Fluopyram	47	1.3	0.079	0.104	300
Fluxapyroxad	19	1.2	0.088	0.107	100
Myclobutanil	9	1.9	0.128	0.242	100
Propiconazole	12	1.4	0.110	0.153	100
Pyraclostrobin	25	1.5	0.094	0.140	200
Sulfur	51	2.9	6.107	17.928	60,800
Tebuconazole	23	1.7	0.183	0.320	500
Thiophanate-methyl	12	1.9	0.560	1.085	800
Trifloxystrobin	60	1.7	0.088	0.149	600
Ziram	37	2.0	2.714	5.451	13,400

<sup>1</sup> Bearing acres in 2015 for Michigan were 6,500 acres.

**Cherries, tart: Agricultural chemical applications, 2015 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
Glyphosate iso. salt	46	1.2	0.874	1.092	14,400
Pendimethalin	4	1.0	2.075	2.110	2,100
Simazine	3	1.0	1.770	1.770	1,600
<b>Insecticides</b>					
Beta-cyfluthrin	10	1.5	0.018	0.028	100
Chlorpyrifos	30	1.7	0.785	1.334	11,400
Fenpropathrin	6	1.0	0.326	0.327	600
Flubendiamide	13	1.2	0.095	0.113	400
Imidacloprid	40	1.8	0.071	0.124	1,400
Lambda-cyhalothrin	21	2.4	0.031	0.073	400
Spinetoram	19	1.2	0.048	0.055	300
Spinetoram-L	19	1.2	0.048	0.055	300
Thiamethoxam	51	1.5	0.064	0.095	1,400
Zeta-cypermethrin	15	1.8	0.026	0.046	200
<b>Fungicides</b>					
Boscalid	2	1.1	0.188	0.209	100
Captan	69	2.8	1.624	4.515	89,000
Chlorothalonil	84	3.3	2.244	7.364	175,000
Dodine	53	1.9	0.744	1.400	21,100
Fenbuconazole	58	1.6	0.104	0.165	2,700
Fluopyram	47	1.8	0.078	0.138	1,900
Fluxapyroxad	38	1.6	0.081	0.130	1,400
Myclobutanil	17	1.5	0.094	0.144	700
Pyraclostrobin	39	1.6	0.081	0.129	1,400
Reynoutria sachaline	7	4.5	0.246	1.110	2,300
Sulfur	44	4.4	3.399	14.917	185,500
Thiophanate-methyl	11	2.3	0.468	1.080	3,400
Trifloxystrobin	66	2.2	0.083	0.183	3,400
<b>Other chemicals</b>					
Ethephon	59	1.1	0.200	0.226	3,800

<sup>1</sup> Bearing acres in 2015 for Michigan were 28,400 acres.

**Peaches: Agricultural chemical applications, 2015 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
2,4-D, Dimeth. salt	5	1.0	0.884	0.884	100
Diuron	8	1.0	1.316	1.316	300
Glyphosate iso. salt	2	1.7	0.673	1.114	100
Paraquat	16	1.1	0.527	0.576	200
<b>Insecticides</b>					
Carbaryl	14	2.6	1.659	4.261	1,500
Chlorpyrifos	8	1.1	1.482	1.681	300
Fenpropathrin	22	1.6	0.222	0.351	200
Flubendiamide	13	1.7	0.120	0.204	100
Imidacloprid	50	2.0	0.043	0.087	100
Permethrin	32	2.0	0.125	0.256	200
Phosmet	59	2.4	1.174	2.854	4,100
<b>Fungicides</b>					
Basic copper sulfate	30	1.1	1.860	2.051	1,500
Boscalid	14	1.5	0.197	0.294	100
Captan	63	3.5	2.084	7.352	11,100
Chlorothalonil	14	1.7	2.807	4.910	1,600
Copper chloriide hyd.	33	1.4	1.585	2.211	1,800
Copper hydroxide	23	2.3	0.915	2.102	1,200
Copper sulfate	10	2.1	0.694	1.438	300
Fenbuconazole	71	2.7	0.118	0.316	500
Iprodione	20	1.2	0.906	1.047	500
Myclobutanil	25	1.7	0.127	0.217	100
Pyraclostrobin	23	1.7	0.094	0.156	100
Sulfur	62	4.2	5.278	22.328	33,000
Tebuconazole	20	1.8	0.149	0.262	100
Ziram	17	1.0	3.901	3.901	1,600

<sup>1</sup> Bearing acres in 2015 for Michigan were 2,400 acres.

**Commercial fertilizer consumption: 2009-2013 <sup>1</sup>**

Item	Year ending June 30				
	2009	2010	2011	2012	2013
	<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	193,784	197,487	220,893	219,315	283,220
N in multi-nutrients	42,960	47,575	45,116	46,585	57,560
Total P <sub>2</sub> O <sub>5</sub>	52,628	61,478	55,144	60,015	81,768
P <sub>2</sub> O <sub>5</sub> in multi-nutrients	51,403	61,251	55,012	59,010	81,608
Total K <sub>2</sub> O	112,820	123,136	119,301	124,558	171,875
K <sub>2</sub> O in multi-nutrients	26,037	41,448	31,193	31,443	46,003
Total plant nutrients	359,232	382,101	395,337	403,888	536,864
Average analysis	41.1	40.5	37.8	38.3	39
Total nutrients in multi-nutrients	120,400	150,274	131,321	137,038	185,171
<b>Selected single-nutrient materials</b>					
Ammonium thiosulfate	2,421	4,003	3,780	4,905	3,767
Anhydrous ammonia	28,078	32,054	29,847	20,730	35,534
Nitrogen solutions	250,297	277,535	292,265	305,886	379,903
Urea	93,397	75,089	93,879	89,500	122,567
Ammonium sulfate	25,863	31,007	46,145	64,793	62,956
Concentrated superphosphate	1,323	476	260	1,183	91
Potassium chloride	136,370	127,049	137,516	143,695	197,058
<b>Multiple-nutrient fertilizers</b>					
N-P-K	133,333	166,552	139,609	122,147	186,931
N-P	90,873	102,126	105,275	106,687	145,809
N-K	56,138	74,207	93,538	112,131	121,868
P-K	3,291	3,300	7,575	3,133	830
<b>Leading multiple-nutrient grades</b>					
10-34-0	22,181	30,699	31,057	32,396	43,047
11-52-0	21,927	22,647	20,409	24,852	39,501
18-46-0	15,401	13,940	12,895	11,898	16,023
12-40-0	3,844	4,607	9,786	13,166	15,442
28-0-11	( <sup>2</sup> )	( <sup>2</sup> )	5,913	6,819	6,286
<b>Fertilizer consumption by classes</b>					
Dry bulk single-nutrient	288,748	269,277	341,633	350,031	429,669
Dry bagged single-nutrient	14,421	11,375	20,890	15,800	58,918
Fluid single-nutrient	287,842	317,128	338,503	345,583	432,687
Dry bulk multiple-nutrient	139,855	185,986	152,928	167,354	193,706
Dry bagged multiple-nutrient	85,689	67,968	101,443	85,734	161,519
Fluid multiple-nutrient	58,091	92,231	91,626	91,010	100,213
Organics, secondary and micronutrients	244,014	76,304	161,347	240,660	87,635
<b>Total</b>	<b>1,118,661</b>	<b>1,020,269</b>	<b>1,208,370</b>	<b>1,296,172</b>	<b>1,464,347</b>

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

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

# Fruit

## Fruit: Record highs and lows

Crop and Unit	Record high		Record low		Year estimates started
	Quantity	Year	Quantity	Year	
Apples.....Million pounds	1,260	2013	53	1945	1889
Blueberries.....Million pounds	117	2013	12	1977	1977
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	28	2015	1928

## Fruit: Bearing acres and value of production, 2011-2015

Item	Unit	2011	2012	2013	2014	2015
Bearing acres.....	1,000 acres	106	107	110	106	104
Value of production.....	1,000 dollars	438,405	207,347	535,044	476,830	421,419

**Fruit: Acres, production, and value, 2011-2015**

Fruit and Year	Bearing acres	Yield	Production		Price	Value of production
			Total	Utilized		
	<i>Acres</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
<b>Apples</b>						
2011	34,500	28,400	980	975	0.207	201,650
2012	35,000	3,290	115	115	0.352	40,475
2013	36,500	34,500	1,260	1,250	0.204	254,953
2014	33,000	31,100	1,025	1,025	0.216	221,115
2015	33,000	30,200	995	990	0.224	221,630
<b>Blueberries <sup>1</sup></b>						
2011	19,200	3,750	72	72	1.650	118,700
2012	19,000	4,850	87	87	1.410	122,700
2013	19,500	6,000	117	117	1.070	125,200
2014	20,200	4,900	99	99	1.250	123,840
2015	19,400	3,770	73	73	1.310	95,565
<b>Cherries, tart</b>						
2011	26,700	5,900	158	157	0.301	47,210
2012	27,300	425	12	12	1.110	12,880
2013	28,000	7,810	219	216	0.345	74,515
2014	27,900	7,280	203	201	0.342	68,827
2015	28,400	5,560	158	157	0.340	53,499
<b>Peaches</b>						
2011	3,700	9,000	33.3	32.8	0.366	11,995
2012	3,500	1,140	4.0	4.0	0.665	2,624
2013	3,300	12,500	41.2	39.6	0.353	13,972
2014	2,800	6,320	17.7	16.9	0.460	7,758
2015	2,400	5,980	14.4	14.2	0.417	5,906
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
<b>Cherries, sweet</b>						
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
2013	6,600	3.47	22,900	21,800	964	21,012
2014	6,700	4.46	29,860	29,460	941	27,708
2015	6,500	2.07	13,430	13,330	1,020	13,570
<b>Grapes</b>						
2011	14,000	6.74	94,400	93,400	364	33,957
2012	13,900	2.75	38,200	38,200	462	17,646
2013	13,800	6.81	94,000	94,000	373	35,017
2014	13,200	4.80	63,300	63,300	306	19,353
2015	13,000	6.20	80,600	80,600	313	25,200
<b>Pears</b>						
2011	700	6.29	4,400	4,400	275	1,209
2012	700	0.06	40	40	625	25
2013	700	7.64	5,350	5,180	348	1,805
2014	700	3.89	2,720	2,610	441	1,151
2015	640	3.23	2,070	2,040	605	1,235
<b>Plums</b>						
2011	500	3.20	1,600	1,600	700	1,120
2012	500	0.13	65	65	585	38
2013	500	3.78	1,890	1,890	510	964
2014	400	4.25	1,700	1,600	535	856
2015	320	2.38	760	750	585	439

<sup>1</sup> Harvested acres.

**Apples: Utilization and price, 2011-2015**

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>
2011	350	0.350	625	0.126	975	0.207
2012	45	0.480	70	0.270	115	0.352
2013	500	0.345	750	0.110	1,250	0.204
2014	425	0.360	600	0.114	1,025	0.216
2015	410	0.368	580	0.122	990	0.224

**Apples, processing: Utilization and price, 2011-2015**

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>
2011	245	0.130	235	0.141	135	0.095
2012	25	0.275	30	0.312	15	0.175
2013	360	0.112	228	0.132	160	0.070
2014	260	0.110	213	0.128	110	0.088
2015	210	0.125	215	0.136	120	0.082

**Blueberries: Utilization and price, 2011-2015**

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>
2011	72	72	34	2.150	38	1.200
2012	87	87	33	2.000	54	1.050
2013	117	117	50	1.700	67	0.600
2014	99	99	48	1.900	51	0.640
2015	73	73	42	1.720	31	0.750



**Cherries, sweet: Production and utilization, 2011-2015**

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>
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
2013	22,900	1,200	2,290	( <sup>2</sup> )	( <sup>2</sup> )	13,100	730	7,500	1,160
2014	29,860	660	2,430	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	28,800	906
2015	13,430	430	2,650	( <sup>2</sup> )	( <sup>2</sup> )	7,900	<sup>2</sup> 655	5,000	1,450

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

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

**Cherries, tart: Utilization, 2011-2015**

Year	Production		Fresh market	Processed					
	Total	Utilized		Canned		Frozen		Other	
				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>
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
2013	219	216	0.3	36.3	0.360	118	0.341	61.7	0.342
2014	203	201	0.1	( <sup>1</sup> )	( <sup>1</sup> )	141	0.337	59.7	0.354
2015	158	157	0.1	26.0	0.341	114	0.343	17.0	0.312

<sup>1</sup> Included in Other.

**Cherries, tart: Production by region, 2011-2015**

Region	2011	2012	2013	2014	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Northwest	92.5	2.6	126.7	139.2	88.5
West Central	48.0	7.8	62.4	45.0	36.7
Southwest and other	17.0	1.2	29.6	18.9	32.8
Michigan	157.5	11.6	218.7	203.0	158.0

**Cherries, tart, frozen: Stocks in cold storage, 2012-2015**

Month	East North Central region <sup>1</sup>				48 States total <sup>2</sup>			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
	<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	16,670	83,133	65,886	117,682	59,120	114,938	103,362	146,251
August	14,435	113,816	128,085	121,651	51,815	150,224	178,542	158,170
September	14,056	104,879	117,557	112,990	50,514	139,064	164,429	159,154
October	14,946	95,972	110,489	101,870	49,966	128,171	153,521	141,734
November	21,617	86,756	104,290	95,729	56,135	114,676	144,280	132,880
December	18,688	86,134	97,601	89,380	51,161	112,101	134,908	123,378
January	18,604	78,114	95,003	84,187	44,651	99,639	129,319	113,844
February	16,400	72,678	89,535	77,052	38,315	91,631	120,870	102,584
March	14,446	67,145	82,644	69,366	33,746	82,926	105,707	91,204
April	11,790	57,246	75,173	63,409	26,644	71,746	98,519	81,431
May	9,066	47,865	66,025	56,492	19,127	58,869	85,866	72,293
June	6,874	40,328	62,950		14,227	50,181	79,028	

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

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

**Grapes: Processed utilization and value, 2011-2015**

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>
2011	55,100	31,000	6,200	92,300	339	31,317
2012	21,000	10,800	6,400	38,200	462	17,646
2013	52,000	32,900	9,100	94,000	373	35,017
2014	44,500	16,000	2,800	63,300	306	19,353
2015	54,500	23,800	2,300	80,600	313	25,200

**Grapes: Processed for wine by category, 2011-2015**

Year	Hybrids		Vinifera		Other		Total		
	Quantity	Price per ton	Quantity	Price per ton	Quantity	Price per ton	Quantity	Price per ton	Value of production
	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2011	2,200	605	3,800	1,580	800	255	6,800	1,110	7,548
2012	1,980	700	3,820	1,610	1,150	305	6,950	1,135	7,888
2013	3,200	685	4,200	1,635	200	310	7,600	1,200	9,120
2014	820	770	1,600	1,670	180	855	2,600	1,330	3,458
2015	1,750	750	880	1,710	670	295	3,300	914	3,016

**Strawberries: Acres, production and value, 2011-2015**

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>
2011	850	700	44	31	146.00	4,522
2012	750	650	51	33	146.00	4,826
2013	850	750	59	44	161.00	7,095
2014	850	750	60	45	161.00	7,258
2015	800	650	43	28	156.00	4,375

**Refrigerated warehouses: Number and capacity, October 1, 2015 <sup>1</sup>**

Type	Number	Usable freezer space	Usable cooler space
		<i>1,000 cu ft</i>	<i>1,000 cu ft</i>
Public	19	39,215	6,016
Private and Semi-Private	18	33,728	3,884
Total	37	72,943	9,900

<sup>1</sup> Conducted biennially.

# Vegetables

## 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	4.45	2015	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	2005,2015	1928
Yield	Cwt	580	2014,2015	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	2.4	2015	1928
Yield	Cwt	370	2014	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	2009,2015	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, 2011-2015**

Item	Unit	2011	2012 <sup>1</sup>	2013 <sup>1</sup>	2014	2015 <sup>1</sup>
Acres harvested	1,000 acres	105	102	98	(D)	96
Value of production	1,000 dollars	251,544	257,165	256,759	(D)	274,728

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

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

**Principal vegetables, fresh market: Acres, production, and value, 2011-2015 <sup>1</sup>**

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 dollars</i>
2011	57,500	54,400	8,445	180,343
2012	55,900	51,900	8,479	189,042
2013	53,100	49,400	8,015	187,289
2014	51,700	48,500	8,153	173,711
2015	51,200	47,900	8,054	209,590

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

**Principal vegetables, processing: Acres, production, and value, 2011-2015 <sup>1</sup>**

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 dollars</i>
2011	51,800	50,700	334,520	71,201
2012 <sup>2</sup>	51,300	50,000	348,680	68,123
2013 <sup>2</sup>	50,300	49,000	348,300	69,470
2014	(D)	(D)	(D)	(D)
2015 <sup>2</sup>	49,300	48,200	337,340	65,138

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

<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, 2011-2015**

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>						
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
2013	29,000	28,000	5.80	162,400	230.00	37,352
2014	27,900	27,400	6.10	167,140	210.00	35,099
2015	30,000	29,000	5.90	171,100	220.00	37,642
<b>Snap beans</b>						
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
2013	18,000	17,800	4.33	77,100	240.00	18,518
2014	(D)	(D)	(D)	(D)	(D)	(D)
2015	16,000	16,000	4.45	71,200	230.00	16,376
<b>Tomatoes</b>						
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
2013	3,300	3,200	34.00	108,800	125.00	13,600
2014	3,600	3,400	38.00	129,200	117.00	15,116
2015	3,300	3,200	29.70	95,040	117.00	11,120

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

**Vegetables, fresh market: Acres, production, and value, 2011-2015**

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>						
2011	3,000	2,900	55	160	55.00	8,800
2012	2,800	2,600	47	122	55.00	6,710
2013	2,800	2,600	48	125	57.00	7,125
2014	2,700	2,600	70	182	44.90	8,172
2015	3,100	2,900	73	212	54.20	11,490
<b>Cabbage</b>						
2011	3,400	3,300	230	759	16.00	12,144
2012	3,000	2,800	250	700	17.00	11,900
2013	3,100	3,000	230	690	16.00	11,040
2014	3,200	3,100	270	837	16.00	13,392
2015	3,400	3,300	290	957	17.00	16,269
<b>Carrots</b>						
2011	1,900	1,800	260	468	16.30	7,628
2012	1,600	1,500	280	420	16.60	6,972
2013	1,700	1,500	290	435	16.60	7,221
2014	1,700	1,600	310	496	15.80	7,837
2015	1,800	1,500	240	360	20.00	7,200
<b>Corn, sweet</b>						
2011	10,200	9,500	94	893	23.00	20,539
2012	10,100	9,100	104	946	25.60	24,218
2013	10,000	9,000	100	900	26.00	23,400
2014	9,700	9,200	90	828	24.70	20,452
2015	9,500	9,000	103	927	26.00	24,102
<b>Cucumbers</b>						
2011	4,500	4,400	190	836	23.00	19,228
2012	4,700	4,500	170	765	23.50	17,978
2013	3,600	3,500	190	665	21.00	13,965
2014	3,500	3,400	200	680	20.40	13,872
2015	3,800	3,700	160	592	22.80	13,498
<b>Onions</b>						
2011	3,900	3,400	240	816	14.80	9,664
2012	3,000	2,800	230	644	13.00	7,748
2013	2,800	2,700	300	810	15.90	11,082
2014	2,600	2,500	370	925	12.90	11,094
2015	2,400	2,400	330	792	14.10	10,053
<b>Tomatoes</b>						
2011	2,500	2,400	220	528	40.00	21,120
2012	2,700	2,600	200	520	40.00	20,800
2013	2,500	2,400	240	576	55.00	31,680
2014	2,200	1,900	245	466	35.70	16,636
2015	2,700	2,600	300	780	53.60	41,808

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

**Vegetables, dual purpose: Acres, production, and value, 2011-2015**

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						
2011	10,400	9,800	22	216	80.20	17,322
2012	10,300	9,100	21	191	90.40	17,274
2013	10,300	9,000	23	206	90.50	18,640
2014	10,300	9,000	24	220	93.20	20,505
2015	10,000	8,900	26	228	86.60	19,754
Celery						
2011	2,000	1,800	490	882	14.70	12,958
2012	2,100	2,000	565	1,130	19.80	22,380
2013	1,900	1,800	575	1,035	19.70	20,359
2014	1,800	1,700	580	985	19.10	18,853
2015	1,700	1,600	580	930	20.30	18,897
Peppers, bell						
2011	1,600	1,500	270	405	36.00	14,580
2012	1,700	1,600	260	416	38.00	15,808
2013	1,600	1,500	250	375	37.00	13,875
2014	1,500	1,400	260	364	37.00	13,468
2015	1,500	1,400	280	392	38.00	14,896
Pumpkins						
2011	7,200	6,800	145	986	17.00	16,762
2012	6,800	6,300	150	945	14.00	13,230
2013	6,600	6,300	155	978	11.50	11,212
2014	6,400	6,100	160	970	11.80	11,398
2015	5,400	5,000	155	770	15.70	12,080
Squash						
2011	6,900	6,800	220	1,496	13.10	19,598
2012	7,100	7,000	240	1,680	14.30	24,024
2013	6,200	6,100	200	1,220	14.50	17,690
2014	6,100	6,000	200	1,200	15.00	18,032
2015	5,800	5,600	200	1,114	17.50	19,543

**U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 2011-2015**

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>
2011	182,863	65,191	2,250	9,211		259,515
2012	206,561	44,877	17,033	6,532		275,003
2013	165,055	41,000	375	6,390		212,820
2014	43,560	36,134	3,466	4,655		87,815
2015	26,184	25,412	3,452	1,182		56,230

# Horticulture

## Floriculture crops: Number of growers by gross value of sales, 2011-2015

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>
2011	47	79	38	123	174	123	584
2012	66	83	35	111	190	121	606
2013	78	83	35	107	175	126	604
2014	59	57	19	71	170	134	510
2015	57	78	32	98	155	136	556

## Floriculture crops: Growing area by type of cover, 2011-2015

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>
2011	4,345	4,896	38,732	47,973	732	48,705	3,616
2012	4,640	4,101	39,202	47,943	634	48,577	3,324
2013	3,890	3,856	39,355	47,101	484	47,585	3,270
2014	3,621	3,435	37,639	44,695	568	45,263	6,345
2015	3,332	3,562	35,641	42,535	566	43,101	1,856

## Floriculture crops: Wholesale value of sales by category, 2011-2015

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>
2011	5,741	27,138	( <sup>2</sup> )	260,626	361,486	376,135
2012	5,017	25,482	1,915	255,483	366,407	379,020
2013	4,786	34,394	7,085	281,737	406,631	418,931
2014	5,359	37,397	6,411	273,598	405,644	413,939
2015	5,312	31,147	6,305	270,666	398,113	409,078

<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.

**Bedding plants: Producers, quantity sold, price, and value, 2011-2015**

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>					
2011	191	804	85	7.44	5,982
2012	199	768	83	8.27	6,351
2013	180	798	81	7.80	6,224
2014	189	767	78	8.69	6,665
2015	179	817	82	7.64	6,242
<b>Geraniums from cuttings</b>					
2011	12	41	83	16.07	659
2012	14	30	79	19.97	599
2013	12	24	58	19.54	469
2014	8	23	87	21.92	504
2015	8	22	86	22.60	497
<b>Geraniums from seed</b>					
2011	24	52	48	11.51	599
2012	26	56	76	10.34	579
2013	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2014	31	66	87	7.70	508
2015	31	141	92	7.21	1,017
<b>Impatiens</b>					
2011	195	2,011	86	7.02	14,117
2012	197	1,567	84	8.07	12,646
2013	165	1,602	92	6.34	10,157
2014	176	1,329	90	7.45	9,901
2015	168	1,106	88	8.06	8,914
<b>Marigolds</b>					
2011	194	723	87	7.20	5,206
2012	204	568	84	8.20	4,658
2013	188	731	87	6.32	4,620
2014	196	586	82	8.09	4,741
2015	182	588	83	7.34	4,316
<b>New Guinea Impatiens</b>					
2011	25	41	78	7.03	288
2012	21	30	76	6.85	206
2013	27	43	77	7.03	302
2014	36	110	92	8.77	965
2015	33	73	87	7.80	569
<b>Pansies/Violas</b>					
2011	176	630	92	7.18	4,523
2012	185	635	92	7.44	4,724
2013	171	515	90	7.86	4,048
2014	177	465	90	9.17	4,264
2015	165	414	89	8.74	3,618
<b>Petunias</b>					
2011	210	1,454	88	7.81	11,356
2012	210	1,248	87	8.85	11,045
2013	196	1,564	89	8.21	12,840
2014	203	1,380	85	9.32	12,862
2015	189	1,385	86	8.65	11,980
<b>Other flowering and foliar</b>					
2011	201	3,270	88	7.52	24,590
2012	208	2,525	87	8.64	21,816
2013	189	3,719	92	6.69	24,880
2014	181	3,112	88	6.84	21,286
2015	170	2,186	85	8.74	19,106
<b>Vegetables <sup>1</sup></b>					
2011	153	764	81	9.19	7,021
2012	160	755	82	9.43	7,120
2013	136	630	76	7.69	4,845
2014	132	590	73	8.77	5,174
2015	129	743	80	11.00	8,173

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



**Hanging baskets: Producers, quantity sold, price, and value, 2011-2015**

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>					
2011	150	502	89	7.34	3,685
2012	170	528	78	6.03	3,184
2013	160	748	88	6.62	4,952
2014	161	517	92	5.80	2,999
2015	156	513	89	6.20	3,181
<b>Geraniums from cuttings</b>					
2011	190	802	84	7.07	5,670
2012	201	659	76	7.46	4,916
2013	195	768	80	7.10	5,453
2014	203	770	77	7.15	5,506
2015	195	794	81	7.48	5,939
<b>Geraniums from seed</b>					
2011	21	36	95	6.63	239
2012	22	82	97	6.86	563
2013	24	103	97	7.04	725
2014	36	129	97	6.80	877
2015	28	104	96	7.19	748
<b>Impatiens</b>					
2011	168	505	86	5.89	2,974
2012	180	620	89	5.05	3,131
2013	144	643	95	4.94	3,176
2014	141	568	95	4.91	2,789
2015	138	592	96	5.04	2,984
<b>Marigolds</b>					
2011	14	22	96	4.27	94
2012	21	38	94	4.39	167
2013	18	54	96	3.49	188
2014	21	62	97	4.64	288
2015	19	65	99	4.53	294
<b>New Guinea Impatiens</b>					
2011	169	483	87	6.55	3,164
2012	178	390	83	7.24	2,824
2013	170	448	87	6.83	3,060
2014	183	475	82	6.90	3,278
2015	178	481	81	7.02	3,377
<b>Pansies/Violas</b>					
2011	45	96	90	5.61	539
2012	52	220	99	5.07	1,115
2013	52	242	95	4.82	1,166
2014	58	191	93	5.33	1,018
2015	49	142	98	5.90	838
<b>Petunias</b>					
2011	185	1,176	89	6.10	7,174
2012	192	1,171	88	5.69	6,499
2013	183	1,326	90	5.76	7,638
2014	195	1,313	89	5.81	7,629
2015	183	1,131	89	5.81	6,571
<b>Other flowering</b>					
2011	183	2,213	86	7.72	17,084
2012	175	2,449	89	6.53	15,992
2013	177	3,571	94	7.44	26,568
2014	176	3,427	92	7.92	27,142
2015	174	3,500	93	7.21	25,235
<b>Foliage</b>					
2011	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2012	70	190	75	7.53	1,431
2013	60	290	90	8.57	2,485
2014	43	160	86	9.47	1,515
2015	49	258	90	10.91	2,815

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

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2011-2015**

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>Begonias</b>								
2011	109	551	166	717	82	1.46	3.27	1,347
2012	120	898	175	1,073	84	1.45	2.75	1,783
2013	112	1,369	340	1,709	92	1.38	4.42	3,392
2014	112	644	292	936	90	1.59	3.76	2,122
2015	113	782	516	1,298	90	1.53	4.87	3,709
<b>Chrysanthemums, florist</b>								
2011	13	8	22	30	86	1.65	5.69	138
2012	19	33	301	334	96	1.70	4.69	1,468
2013	18	49	511	560	97	1.59	4.55	2,403
2014	18	156	592	748	99	1.31	3.39	2,211
2015	16	75	214	289	97	2.37	4.14	1,064
<b>Chrysanthemums, hardy garden</b>								
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
2013	113	1,554	4,728	6,282	94	0.98	2.99	15,660
2014	119	1,357	4,821	6,178	93	0.96	3.01	15,814
2015	111	1,102	5,244	6,346	96	1.06	2.80	15,851
<b>Easter Lilies</b>								
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
2013	29	121	1,337	1,458	99	2.10	4.09	5,722
2014	30	103	1,427	1,530	97	1.79	4.74	6,948
2015	26	124	1,366	1,490	98	2.27	4.17	5,978
<b>Geraniums from cuttings</b>								
2011	194	2,087	1,245	3,332	69	1.97	3.95	9,029
2012	205	2,078	1,327	3,405	70	1.93	3.92	9,212
2013	187	2,381	1,131	3,512	75	1.77	4.27	9,044
2014	202	2,215	1,177	3,392	70	2.05	4.60	9,955
2015	181	2,128	1,450	3,578	73	2.07	4.42	10,814
<b>Geraniums from seed</b>								
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
2013	77	8,805	4	8,809	97	0.80	5.76	7,067
2014	85	8,778	48	8,826	97	0.82	4.34	7,406
2015	78	6,922	6	6,928	98	0.77	2.63	5,346
<b>Impatiens</b>								
2011	74	577	197	774	90	1.29	3.57	1,448
2012	76	653	189	842	94	1.24	2.79	1,337
2013	60	592	210	802	98	0.91	2.90	1,148
2014	59	278	150	428	98	1.20	2.24	670
2015	55	257	184	441	98	1.35	3.05	908
<b>Marigolds</b>								
2011	23	106	122	228	99	0.86	2.44	389
2012	28	63	125	188	95	0.83	2.76	397
2013	26	260	82	342	97	0.50	1.45	249
2014	30	160	118	278	96	0.69	2.22	372
2015	32	107	102	209	98	0.92	1.98	300
<b>New Guinea Impatiens</b>								
2011	157	2,005	261	2,266	93	1.36	3.34	3,599
2012	175	2,491	343	2,834	94	1.18	2.81	3,903
2013	161	2,886	345	3,231	92	1.24	4.12	5,000
2014	171	2,186	218	2,404	90	1.45	5.85	4,445
2015	153	1,753	261	2,014	90	1.43	5.09	3,835

See footnote(s) at end of table.

--continued

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2011-2015 (continued)**

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
<b>Pansies/Violas</b>								
2011	56	1,274	366	1,640	98	0.86	2.70	2,084
2012	53	1,646	547	2,193	98	0.74	2.59	2,635
2013	55	1,940	371	2,311	99	0.79	2.47	2,449
2014	67	1,333	354	1,687	95	1.08	2.56	2,346
2015	62	1,317	326	1,643	98	1.07	2.79	2,319
<b>Petunias</b>								
2011	114	2,223	1,169	3,392	92	1.70	2.06	6,187
2012	109	2,306	2,180	4,486	93	1.68	2.19	8,648
2013	109	2,866	1,641	4,507	92	1.21	3.61	9,392
2014	120	3,072	1,191	4,263	92	1.28	4.60	9,411
2015	110	2,664	1,408	4,072	94	1.52	4.41	10,259
<b>Poinsettias</b>								
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
2013	58	624	1,781	2,405	95	1.76	4.88	9,790
2014	60	769	1,806	2,575	95	2.08	4.76	10,196
2015	55	701	1,890	2,591	95	1.53	4.92	10,371
<b>Flowering bulbs</b>								
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
2013	26	395	1,717	2,112	99	1.79	3.52	6,751
2014	23	402	1,706	2,108	99	1.80	3.64	6,933
2015	23	472	1,422	1,894	99	2.06	3.86	6,461
<b>Other flowering plants</b>								
2011	40	367	385	752	76	1.47	4.74	2,364
2012	45	772	422	1,194	88	1.46	4.58	3,060
2013	54	1,141	881	2,022	84	2.10	4.61	6,458
2014	72	1,491	1,505	2,996	90	1.88	4.43	9,470
2015	47	595	602	1,197	92	2.57	6.26	5,298
<b>Other flowering and foliar type bedding plants</b>								
2011	154	17,013	3,616	20,629	87	1.31	4.25	37,655
2012	156	21,675	7,789	29,464	92	1.17	3.32	51,219
2013	154	17,301	7,071	24,372	93	1.41	3.70	50,557
2014	162	13,774	4,908	18,682	90	1.64	4.50	44,675
2015	152	17,566	4,693	22,259	93	1.61	5.06	52,028
<b>Vegetable type <sup>2</sup></b>								
2011	122	6,120	500	6,620	92	1.42	5.57	11,475
2012	121	4,070	1,139	5,209	90	1.10	3.80	8,805
2013	110	4,533	722	5,255	87	1.33	5.23	9,805
2014	99	3,752	654	4,406	81	1.22	6.52	8,842
2015	99	3,337	410	3,747	85	1.18	4.08	5,610

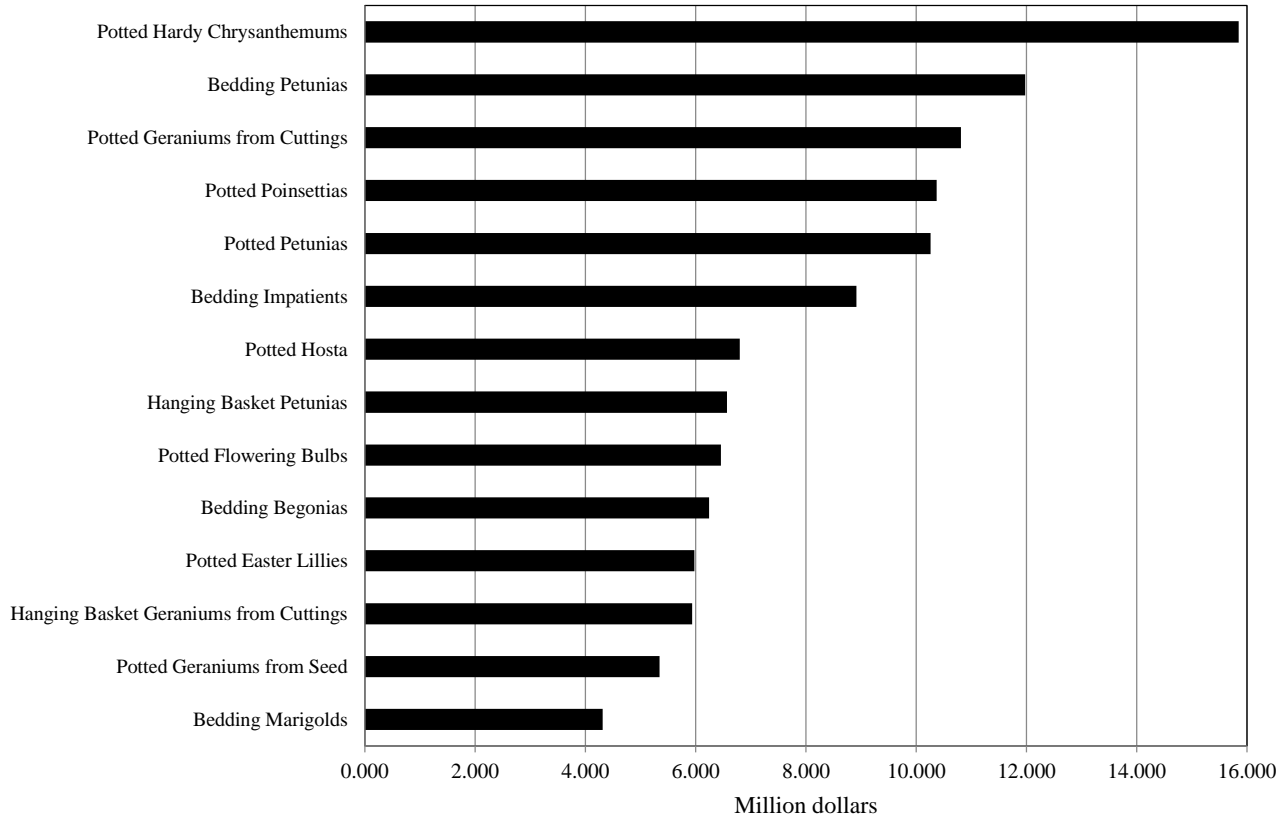
<sup>1</sup> Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

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

**Herbaceous perennials: Producers, quantity sold, price, and value, 2011-2015**

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>
<b>Hosta</b>										
2011	102	1,002	437	34	1,473	94	1.88	3.60	10.65	3,819
2012	107	1,070	604	27	1,701	93	1.80	3.67	11.61	4,456
2013	98	798	654	58	1,510	92	1.91	3.30	9.19	4,215
2014	102	1,613	979	56	2,648	96	1.95	3.38	8.09	6,907
2015	102	1,620	887	31	2,538	96	2.21	3.38	7.17	6,801
<b>Other</b>										
2011	120	5,902	5,638	150	11,690	87	2.18	4.32	7.79	38,391
2012	130	6,179	5,680	126	11,985	87	1.85	3.90	6.85	34,446
2013	125	6,746	7,747	138	14,631	94	1.65	3.77	7.12	41,320
2014	127	6,094	7,491	429	14,014	95	1.76	3.82	6.75	42,237
2015	124	5,889	5,994	252	12,135	93	1.86	4.32	9.68	39,287

**Selected Floriculture Crops: Value of Sales, 2015**



# 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	19,953	2015	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	3,866	2014	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	10,253	2015	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	380	2009,2010,2014	1934

<sup>1</sup> December 1.

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

## Cattle and Calves

### Cattle and calves: Number on farms by class, January 1, 2012-2016

Class	2012	2013	2014	2015	2016
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
All cows that have calved	480	490	500	510	530
Beef cows	109	113	119	107	118
Milk cows	371	377	381	403	412
Heifers, 500 pounds and over	230	234	240	225	230
Beef cow replacement	27	28	29	23	27
Milk cow replacement	158	157	164	167	172
Other	45	49	47	35	31
Steers, 500 pounds and over	173	180	175	170	170
Bulls, 500 pounds and over	17	16	15	15	15
Calves, under 500 pounds	210	220	200	200	205
All cattle and calves	1,110	1,140	1,130	1,120	1,150

**Cattle and calves: Balance sheet, 2011-2015**

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>
2011	1,090	390	58	318	38	3	23	46	1,110
2012	1,110	390	58	303	42	3	24	46	1,140
2013	1,140	395	60	344	47	3	25	46	1,130
2014	1,130	385	60	339	45	3	23	45	1,120
2015	1,120	400	59	318	41	3	24	43	1,150

<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.

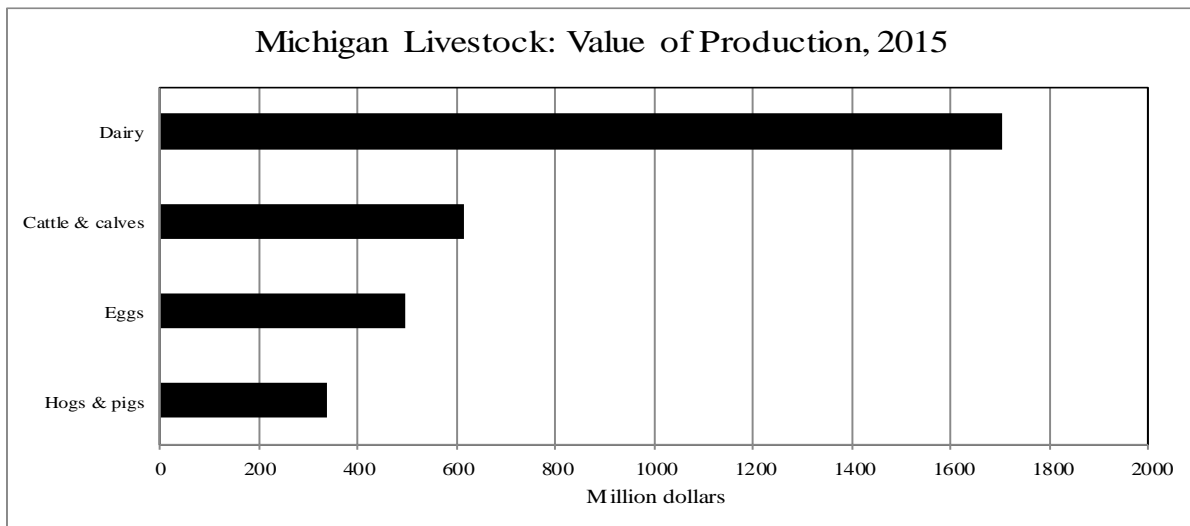
**Cattle and calves: Production and income, 2011-2015**

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>
2011	425,512	437,325	418,199	433,661	12,721	446,382
2012	415,783	418,625	464,842	473,212	13,978	487,190
2013	457,552	478,500	518,536	552,137	16,463	568,600
2014	432,312	465,850	621,183	679,256	20,649	699,905
2015	442,890	441,800	616,092	624,664	19,331	643,995

<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.

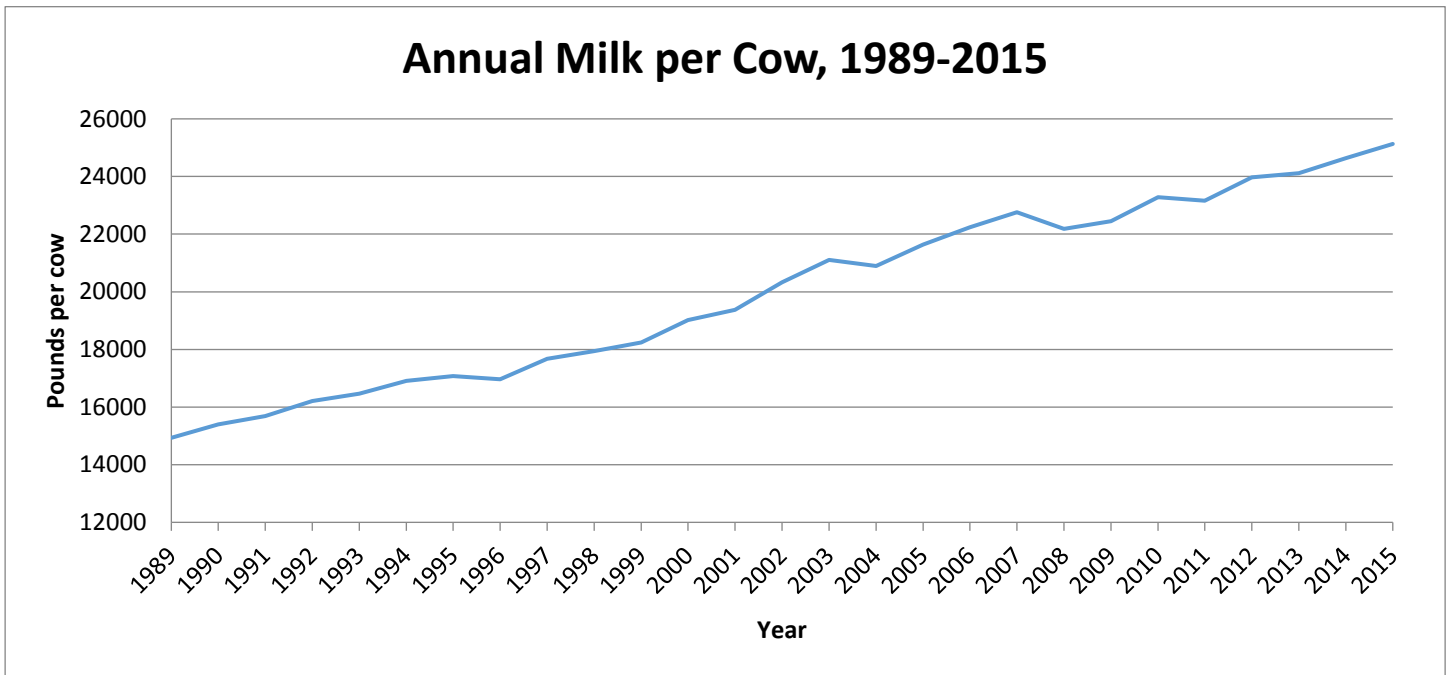


# Dairy

**Milk: Production, utilization, marketings, and value, 2011-2015**

Item	Unit	2011	2012	2013	2014	2015
<b>Production</b>						
Total milk produced on farms	Million pounds	8,478	8,991	9,164	9,609	10,253
Milkfat produced	Million pounds	310.3	327.3	339.1	355.5	375.3
Milkfat	Percent	3.66	3.64	3.70	3.70	3.66
<b>Utilization</b>						
Milk used where produced						
Fed to calves	Million pounds	27	24	26	24	26
Used for milk, cream, and butter	Million pounds	2	2	2	2	2
Milk marketed by producers						
Average return per 100 pounds of milk	Dollars	21.00	18.90	20.50	24.10	16.60
Average return per pound milkfat	Dollars	5.74	5.19	5.54	6.51	4.54
Fluid grade	Percent	100	100	100	100	100
Total cash receipts	1,000 dollars	1,774,290	1,694,385	1,872,880	2,309,503	1,697,350
<b>Value</b>						
Value of milk used where produced <sup>1</sup>	1,000 dollars	6,090	4,914	5,740	6,266	4,648
Total value of milk produced	1,000 dollars	1,780,380	1,699,299	1,878,620	2,315,769	1,701,998

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



**Milk cows: Number by month, 2011-2015**

Month	2011	2012	2013	2014	2015
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
January	363	373	378	381	403
February	364	375	378	381	403
March	364	375	( <sup>1</sup> )	381	403
April	362	375	( <sup>1</sup> )	383	404
May	364	375	( <sup>1</sup> )	384	407
June	364	375	( <sup>1</sup> )	387	408
July	366	376	381	394	409
August	366	376	381	394	410
September	367	374	381	396	410
October	369	374	380	397	410
November	369	375	380	399	411
December	370	377	380	402	412
Annual	366	375	380	390	408

<sup>1</sup> No estimate due to sequestration.

**Milk production: Total by month, 2011-2015**

Month	2011	2012	2013	2014	2015
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	711	752	779	779	846
February	652	716	711	716	766
March	723	776	794	796	858
April	708	763	765	789	848
May	743	776	798	824	893
June	713	748	770	807	871
July	712	746	766	835	888
August	710	758	781	833	877
September	686	722	739	792	826
October	710	742	760	816	861
November	688	729	733	786	843
December	722	763	768	836	876
Annual	8,478	8,991	9,164	9,609	10,253



**Milk: Production per cow, by month, 2011-2015**

Month	2011	2012	2013	2014	2015
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,960	2,015	2,060	2,045	2,100
February	1,790	1,910	1,880	1,880	1,900
March	1,985	2,070	( <sup>1</sup> )	2,090	2,130
April	1,955	2,035	( <sup>1</sup> )	2,060	2,100
May	2,040	2,070	( <sup>1</sup> )	2,145	2,195
June	1,960	1,995	( <sup>1</sup> )	2,085	2,135
July	1,945	1,985	2,010	2,120	2,170
August	1,940	2,015	2,050	2,115	2,140
September	1,870	1,930	1,940	2,000	2,015
October	1,925	1,985	2,000	2,055	2,100
November	1,865	1,945	1,930	1,970	2,050
December	1,950	2,025	2,020	2,080	2,125
Annual	23,164	23,976	24,116	24,638	25,130

<sup>1</sup> No estimate due to sequestration.

**Dairy Products, by Region, 2011-2015**

Product	Region	2011	2012	2013	2014	2015
		<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Cheese, total <sup>1</sup>	Central	4,700.6	4,918.0	4,973.6	5,064.2	5,291.4
Cheese, American type <sup>2</sup>	Central	1,987.2	2,104.7	2,106.7	2,188.4	2,250.4
Cheese, Italian	Central	1,835.6	1,868.0	1,903.0	1,899.2	2,022.7
Butter	Central	702.7	717.5	720.7	741.1	732.6
Cottage cheese, lowfat	Central	137.8	137.0	126.1	128.0	129.5
Cottage cheese, creamed	Central	153.0	152.3	139.1	141.1	151.9
Cottage cheese curd	Central	171.9	175.6	157.8	158.5	171.6
Yogurt, plain and flavored	Central	1,913.9	1,900.5	1,963.5	2,058.0	2,074.1
Condensed skim milk, unsweetened, bulk	Central	329.8	352.1	496.0	606.9	741.7
Nonfat dry milk for human food	Central	159.7	248.0	256.4	283.1	303.8
Dry whey for human food	Central	461.5	458.6	445.9	407.3	442.6
		<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Ice cream, regular, hard	Central	416,014	432,054	441,468	424,415	411,841
Ice cream, lowfat, total	Central	236,930	487,039	241,154	245,295	275,174
Sherbet, hard	Central	25,784	24,481	25,115	23,076	23,121
Frozen yogurt mix	Central	11,557	11,611	12,056	11,118	13,525
Ice cream mix, regular	Central	233,396	244,050	251,571	241,364	237,008
Ice cream mix, lowfat	Central	150,761	166,924	157,727	160,400	170,413
Ice cream mix, lowfat	Michigan	25,911	24,531	16,942	16,373	15,189
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Number of Plants	United States	1,278	1,281	1,265	1,269	1,267
Number of Plants	Michigan	55	57	53	51	51

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

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

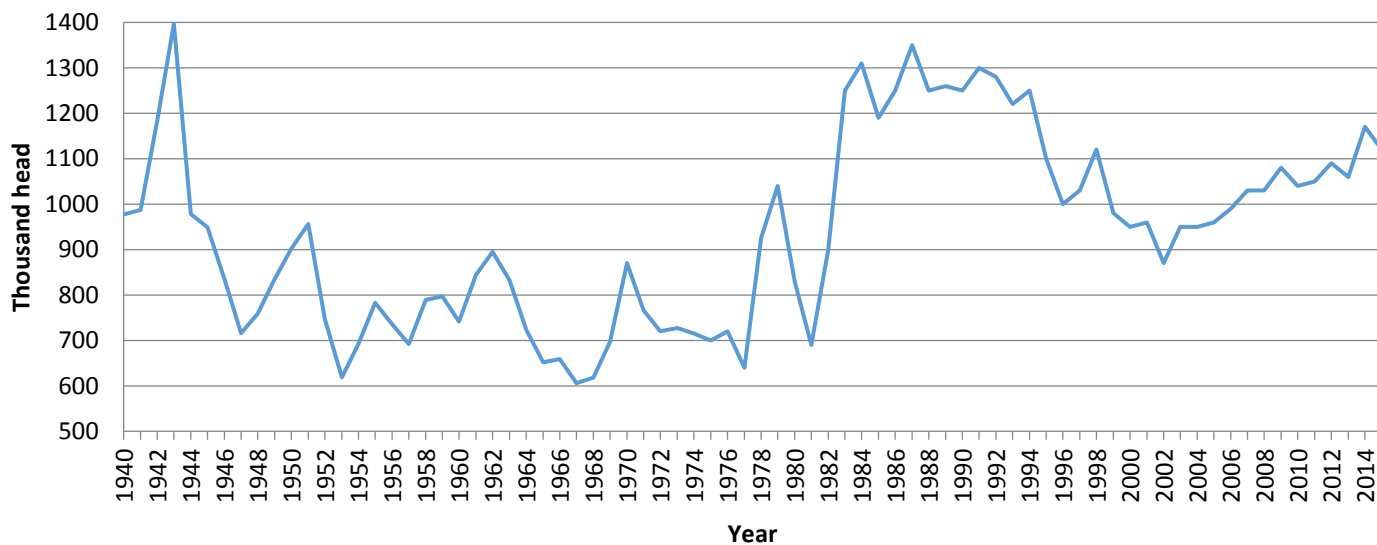
Central: AL, AR, IA, IL, IN, KS, KY, LA, MI, MN, MO, MS, ND, OH, OK, SD, TN, TX, WI

# Hogs and Pigs

**Hogs and pigs: Inventory, 2012-2016**

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>
March 1							
2012	285	190	220	195	890	110	1,000
2013	290	215	225	220	950	110	1,060
2014	275	190	225	200	890	110	1,000
2015	295	235	260	240	1,030	110	1,140
2016	280	270	260	240	1,050	110	1,160
June 1							
2012	280	210	205	215	910	110	1,020
2013	280	220	180	210	890	110	1,000
2014	270	210	200	200	880	110	990
2015	275	255	240	220	990	110	1,100
2016	285	255	240	240	1,020	110	1,130
September 1							
2012	300	220	215	195	930	110	1,040
2013	295	230	190	225	940	110	1,050
2014	305	225	205	200	920	110	1,030
2015	305	250	215	230	1,000	110	1,110
December 1							
2012	300	210	230	240	980	110	1,090
2013	305	210	200	235	950	110	1,060
2014	310	245	250	255	1,060	110	1,170
2015	275	250	240	245	1,010	110	1,120

**December 1 Hog Inventory, 1940-2015**



**Hogs and pigs: Sows farrowing and pig crop, 2011-2016**

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>
2012	49	9.90	485	50	10.10	505
2013	52	10.25	543	50	10.20	510
2014	51	9.20	451	52	8.90	463
2015	50	10.50	546	50	10.70	535
2016	50	10.60	530	47	10.50	494
	June-August			September-November		
2011	52	10.00	520	51	10.00	510
2012	52	10.10	525	53	10.20	541
2013	50	10.10	505	49	10.15	497
2014	51	10.10	515	53	10.20	541
2015	52	11.00	572	51	10.70	546

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

**Hogs and pigs: Balance sheet, 2011-2015**

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>
2011	1,040	2,060	264	2,242	2	70	1,050
2012	1,050	2,056	248	2,201	2	61	1,090
2013	1,090	2,055	250	2,263	2	70	1,060
2014	1,060	1,970	250	2,044	2	64	1,170
2015	1,170	2,188	250	2,424	2	62	1,120

<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, 2011-2015**

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>
2011	615,658	621,210	403,124	417,228	662	417,890
2012	548,754	547,316	349,236	356,555	799	357,354
2013	561,091	574,745	377,604	395,702	715	396,417
2014	523,468	516,710	392,522	397,367	807	398,174
2015	616,632	629,020	339,063	352,848	619	353,467

<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

**Honey: Production and value, 2011-2015 <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>
2011	74	64	4,736	181	8,572	2,084
2012	73	57	4,161	203	8,447	1,332
2013	85	55	4,675	216	10,098	982
2014	91	63	5,733	249	14,275	1,835
2015	90	58	5,220	243	12,685	1,984

<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, 2012-2016**

Year	2012	2013	2014	2015	2016
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Pelts produced	( <sup>2</sup> )	56,500	53,200	60,250	( <sup>1</sup> )
Females bred to produce kits	13,400	( <sup>2</sup> )	17,500	17,550	17,640

<sup>1</sup> Published in July 2017.

<sup>2</sup> No estimate due to sequestration.

# Poultry

## Chickens: Layers on hand, December 1, 2011-2015

Class	2011	2012	2013	2014	2015
	<i>1,000 birds</i>	<i>1,000 birds</i>	<i>1,000 birds</i>	<i>1,000 birds</i>	<i>1,000 birds</i>
Total layers	11,499	12,899	13,195	13,192	13,249
Pullets not of laying age	2,709	2,806	3,080	2,819	3,704
Other chickens	0	3	3	0	0
All chickens (excluding broilers)	14,208	15,708	16,278	16,011	16,953

## All eggs: Production and value, 2011-2015 <sup>1</sup>

Year	Eggs produced	Value of production
	<i>Million</i>	<i>1,000 dollars</i>
2011	3,149	198,496
2012	3,609	239,603
2013	3,818	271,400
2014	3,866	325,518
2015	3,846	495,170

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

## All egg production, by month, 2011-2015

Month	2011	2012	2013	2014	2015
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	264	296	324	324	334
January	258	298	325	310	327
February	240	278	293	291	294
March	274	300	333	343	328
April	270	299	319	326	315
May	267	314	316	323	324
June	254	301	306	316	310
July	269	311	320	330	318
August	259	305	327	331	325
September	250	291	317	326	318
October	271	307	323	328	331
November	273	309	314	318	322
Total <sup>1</sup>	3,149	3,609	3,818	3,866	3,846

<sup>1</sup> December 1 previous year through November 30. Sum of months may not add to total due to rounding.

**All layers: Average number on hand during the month, 2011-2015**

Month	2011	2012	2013	2014	2015
	<i>1,000 birds</i>	<i>1,000 birds</i>	<i>1,000 birds</i>	<i>1,000 birds</i>	<i>1,000 birds</i>
December	10,769	11,653	12,811	12,986	13,093
January	10,707	11,740	12,824	12,708	13,062
February	10,798	11,877	13,003	12,962	13,147
March	10,922	12,258	13,130	13,282	12,916
April	10,996	12,644	13,090	13,123	12,710
May	10,852	12,641	12,887	12,991	12,780
June	10,787	12,431	12,844	13,097	12,904
July	10,675	12,423	12,962	13,082	13,069
August	10,573	12,581	13,103	12,974	12,991
September	10,811	12,566	12,892	12,982	12,771
October	11,231	12,613	12,828	13,103	12,843
November	11,470	12,872	13,131	13,200	13,120
Annual <sup>1</sup>	10,883	12,358	12,959	13,041	12,951

<sup>1</sup> December 1 previous year through November 30. Sum of months may not add to total due to rounding.

## Sheep and Goats

**Sheep and lambs: Number on farms by class, January 1, 2012-2016**

Class	2012	2013	2014	2015	2016
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
Breeding sheep 1 year and older					
Ewes	43	43	43	40	42
Rams	3	3	3	3	3
Replacement lambs	12	13	13	12	13
Total market sheep and lambs	21	23	22	21	24
All sheep and lambs	79	82	81	76	82

**Sheep and lambs: Lamb crop, 2011-2015**

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>
2011	44	145	64
2012	43	151	65
2013	43	147	63
2014	43	140	60
2015	40	158	63

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

**Sheep and lambs: Wool production and value, 2011-2015**

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>
2011	66	6.2	410	60	246
2012	66	5.9	390	68	265
2013	65	6.2	400	85	340
2014	63	6.0	380	86	327
2015	66	6.0	395	72	284

**Goats: Number by class, January 1, 2012-2016**

Year	Milk	Meat and other
	<i>Head</i>	<i>Head</i>
2012	12,000	18,000
2013	11,000	15,000
2014	11,400	16,500
2015	11,300	( <sup>1</sup> )
2016	11,800	( <sup>1</sup> )

<sup>1</sup> No longer published.

## Trout

**Trout: Sales, 12 inches or longer, 2011-2015**

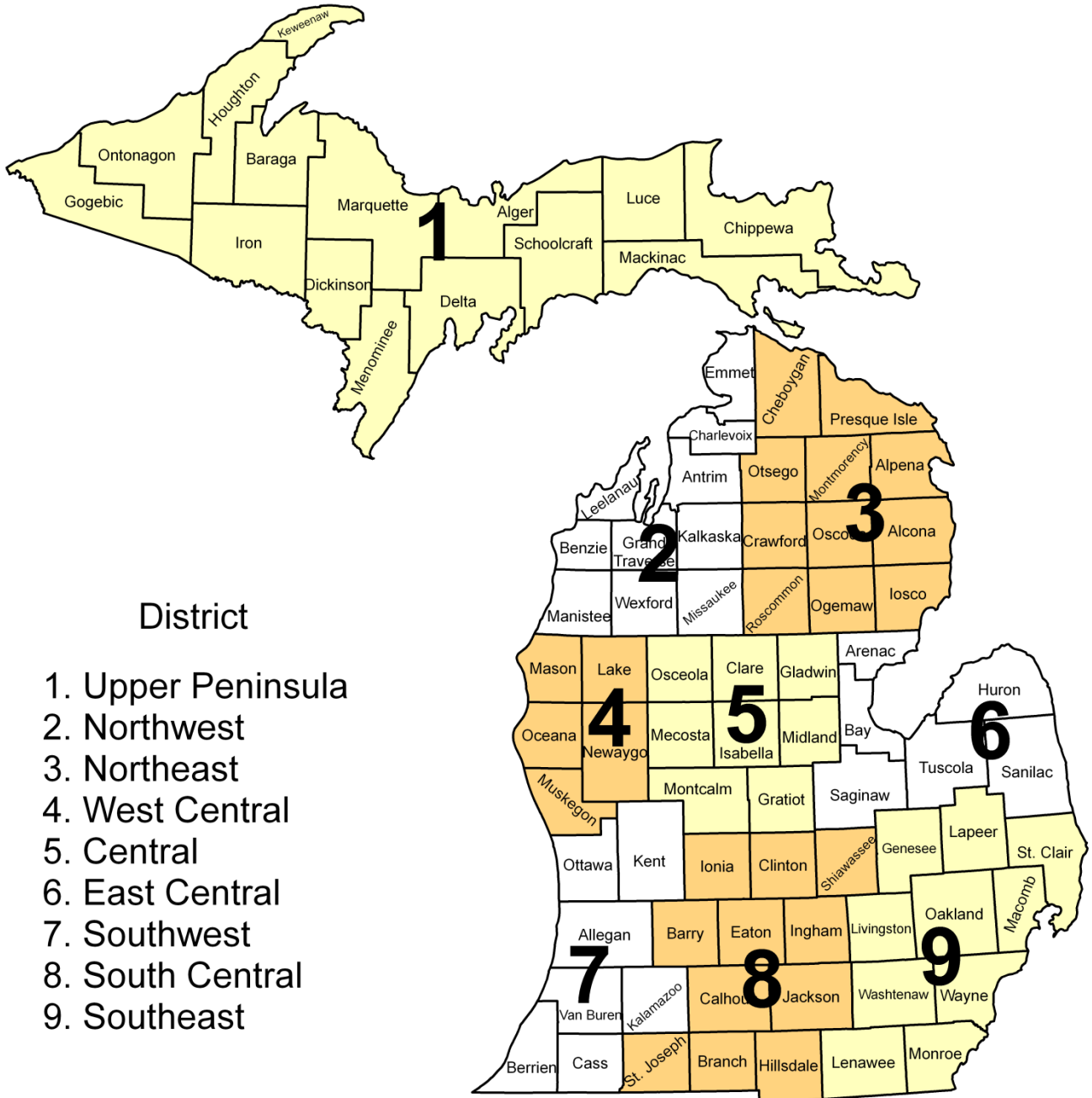
Year	Number of fish sold	Live weight	Sales	
			Total	Average per pound
	<i>1,000</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>Dollars</i>
2011	220	214	599	2.80
2012	230	251	818	3.26
2013	145	167	618	3.70
2014	105	119	458	3.85
2015	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

**Trout: Value of Fish Sold and Distributed, 2011-2015**

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>
2011	831	1,331	227	42
2012	933	889	194	36
2013	709	925	147	30
2014	619	966	71	17
2015	1,347	992	61	16

# 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, 2015 <sup>1</sup>**

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

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

<sup>2</sup> Based on 2012 Census of Agriculture

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

Rank	January 1, 2016 Cattle and Calves	Hogs and pigs <sup>2</sup>	January 1, 2016 Milk cows
1	Huron	Allegan	Huron
2	Sanilac	Cass	Clinton
3	Clinton	Ionia	Sanilac
4	Allegan, Ionia	Mecosta	Allegan
5		Gratiot	Ionia

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

<sup>2</sup> Based on 2012 Census of Agriculture

**Principal counties for fruits and vegetables, 2012 <sup>1</sup>**

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

<sup>1</sup> Based on acres from 2012 Census of Agriculture.

**Corn: Acreage, yield, and production, by county, 2014-2015 <sup>1</sup>**

County and district	2014				2015			
	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	(D)	(D)	(D)	(D)	3,200	2,000	130.0	260
Dickinson	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Menominee	(D)	(D)	(D)	(D)	15,600	5,500	140.0	770
Other counties	25,500	11,000	88.2	970	3,200	1,500	140.0	210
<b>Upper Peninsula</b>	25,500	11,000	88.2	970	22,000	9,000	137.8	1,240
Antrim	3,700	2,400	135.4	325	2,700	1,200	110.8	133
Benzie	1,700	1,200	118.3	142	1,500	1,100	113.6	125
Charlevoix	2,700	2,100	115.2	242	2,800	2,100	97.6	205
Emmet	1,000	700	132.9	93				
Grand Traverse	8,500	7,500	86.7	650	7,300	5,900	123.7	730
Leelanau					2,700	2,000	82.0	164
Manistee	3,600	2,900	129.3	375	2,100	1,500	91.3	137
Missaukee	23,700	9,800	139.8	1,370	22,800	10,700	131.8	1,410
Wexford	5,500	4,400	105.7	465	6,300	4,500	132.2	595
Other counties	4,100	3,000	76.0	228	1,800	1,000	101.0	101
<b>Northwest</b>	54,500	34,000	114.4	3,890	50,000	30,000	120.0	3,600
Alcona	3,900	3,000	109.3	328				
Alpena	7,100	5,400	114.1	616	7,000	3,900	128.2	500
Cheboygan	1,800	1,300	138.5	180	1,600	1,100	109.1	120
Iosco	6,200	4,600	128.0	589	6,100	3,500	140.0	490
Montmorency	1,700	1,400	121.4	170	1,400	1,200	125.0	150
Ogemaw	13,500	8,400	126.2	1,060	11,500	7,800	129.5	1,010
Presque Isle	6,300	5,300	140.8	746	5,900	5,500	119.1	655
Other counties	2,500	1,600	113.1	181	5,500	4,000	131.3	525
<b>Northeast</b>	43,000	31,000	124.8	3,870	39,000	27,000	127.8	3,450
Lake	2,300	1,600	125.0	200	1,600	1,000	115.0	115
Mason	17,200	14,400	127.1	1,830	15,400	13,200	131.8	1,740
Muskegon	17,500	11,300	132.7	1,500	15,500	9,900	144.4	1,430
Newaygo	29,000	19,100	119.4	2,280	26,000	17,700	139.3	2,465
Oceana	21,000	17,600	123.3	2,170	15,500	12,200	123.0	1,500
Other counties	4,100	3,000	76.0	228	1,800	1,000	101.0	101
<b>West Central</b>	87,000	64,000	124.7	7,980	74,000	54,000	134.3	7,250
Clare	6,200	4,100	136.6	560				
Gladwin	7,700	6,900	158.0	1,090	7,500	7,000	151.4	1,060
Graiot	95,000	79,500	153.5	12,200	84,000	77,000	170.8	13,150
Isabella	44,500	37,200	148.1	5,510	39,000	32,000	154.7	4,950
Mecosta	29,000	24,300	134.6	3,270	25,500	22,000	133.2	2,930
Midland	23,500	22,500	168.9	3,800	21,500	21,000	159.5	3,350
Montcalm	69,000	62,500	149.3	9,330	60,000	55,000	159.3	8,760
Osceola	15,100	8,000	130.0	1,040				
Other counties					17,500	11,000	127.3	1,400
<b>Central</b>	290,000	245,000	150.2	36,800	255,000	225,000	158.2	35,600
Arenac	16,500	13,000	155.4	2,020				
Bay	57,500	52,500	164.4	8,630				
Huron	121,000	88,500	172.3	15,250	108,000	85,000	198.8	16,900
Saginaw	97,000	95,000	171.6	16,300	90,000	88,000	169.3	14,900
Sanilac	110,000	87,000	171.3	14,900	105,000	86,000	183.7	15,800
Tuscola	88,000	79,000	178.5	14,100	78,000	75,000	192.0	14,400
<b>East Central</b>	490,000	415,000	171.6	71,200	450,000	400,000	182.0	72,800

See footnote(s) at end of table.

--continued

**Corn: Acreage, yield, and production, by county, 2014-2015 <sup>1</sup> (continued)**

County and district	2014				2015			
	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					74,000	60,000	156.3	9,380
Berrien	49,000	47,900	176.4	8,450				
Cass	85,000	83,700	172.0	14,400	82,000	81,000	159.3	12,900
Kalamazoo	64,000	60,400	188.7	11,400	57,000	53,000	143.8	7,620
Kent	45,000	37,000	146.8	5,430	41,000	34,000	170.6	5,800
Ottawa	46,000	30,200	152.3	4,600	43,000	32,000	155.6	4,980
<b>Southwest</b>	420,000	385,000	167.0	64,300	390,000	350,000	157.4	55,100
Barry	43,000	32,000	151.6	4,850	44,000	35,000	157.4	5,510
Branch	92,000	88,500	167.2	14,800	87,000	79,000	172.2	13,600
Calhoun	82,000	76,000	158.6	12,050	84,000	81,000	144.4	11,700
Clinton	77,000	58,500	163.4	9,560	73,000	53,000	171.7	9,100
Eaton	59,000	57,500	176.5	10,150	58,000	57,000	163.2	9,300
Hillsdale	77,000	70,000	155.0	10,850	73,000	68,000	155.9	10,600
Ingham	57,000	51,500	175.9	9,060	52,000	48,000	171.9	8,250
Ionia	87,000	70,000	161.4	11,300	83,000	66,000	183.3	12,100
Jackson	59,000	54,500	155.6	8,480	60,000	54,000	141.1	7,620
St Joseph	96,000	91,000	152.7	13,900	76,000	75,000	142.7	10,700
Shiawassee	56,000	50,500	156.4	7,900	55,000	54,000	176.3	9,520
<b>South Central</b>	785,000	700,000	161.3	112,900	745,000	670,000	161.2	108,000
Genesee	29,000	27,300	142.5	3,890	30,000	29,000	165.5	4,800
Lapeer	37,000	33,000	149.1	4,920	30,000	28,000	174.3	4,880
Lenawee	109,000	95,000	174.7	16,600	107,000	95,000	161.1	15,300
Livingston	22,500	20,300	171.4	3,480	19,000	18,000	161.1	2,900
Macomb	12,500	10,800	160.2	1,730	9,300	9,000	154.4	1,390
Monroe	64,000	63,000	175.4	11,050	61,000	60,000	150.3	9,020
Oakland	2,900	2,800	139.3	390	2,100	2,000	145.0	290
St Clair	33,000	31,300	151.4	4,740	22,500	22,000	160.9	3,540
Washtenaw	43,000	39,500	172.2	6,800	43,000	41,000	147.6	6,050
Wayne	2,100	2,000	150.0	300	1,100	1,000	130.0	130
<b>Southeast</b>	355,000	325,000	165.8	53,900	325,000	305,000	158.4	48,300
<b>Michigan</b>	2,550,000	2,210,000	161.0	355,810	2,350,000	2,070,000	162.0	335,340

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

<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, 2014-2015 <sup>1</sup>**

County and district	2014				2015			
	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>
Alpena	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other counties	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>Northeast</b>	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gladwin	1,800	1,800	1,290	23,300	(D)	(D)	(D)	(D)
Gratiot	6,100	5,850	1,390	81,300	8,200	7,350	1,900	140,000
Midland	(D)	(D)	(D)	(D)	4,900	4,740	1,780	84,600
Montcalm	8,400	7,530	1,430	108,000	9,300	9,280	1,710	159,000
Other counties	5,600	5,590	1,650	92,200	4,900	4,670	1,920	89,500
<b>Central</b>	25,900	24,700	1,500	371,000	31,500	30,200	1,810	548,000
Arenac	6,500	6,300	1,700	107,000	(D)	(D)	(D)	(D)
Bay	22,100	22,000	2,200	484,000	(D)	(D)	(D)	(D)
Huron	76,200	75,800	2,100	1,594,000	89,900	89,200	2,260	2,018,000
Saginaw	8,300	8,200	2,200	180,000	(D)	(D)	(D)	(D)
Sanilac	27,600	27,500	1,750	480,000	30,500	30,400	2,250	684,000
Tuscola	41,300	41,100	2,130	875,000	50,500	50,400	2,070	1,042,000
Other counties	(D)	(D)	(D)	(D)	46,100	45,500	1,710	779,000
<b>East Central</b>	182,000	180,900	2,060	3,720,000	217,000	215,500	2,100	4,523,000
<b>Southwest</b>	(D)	(D)	(D)	(D)	3,100	3,090	2,130	65,800
Shiawassee	800	760	2,050	15,600	1,600	1,600	2,040	32,700
Other counties	2,200	2,040	1,420	28,900	2,500	2,480	1,460	36,300
<b>South Central</b>	3,000	2,800	1,590	44,500	4,100	4,080	1,690	69,000
Lapeer	2,100	2,100	1,200	25,300	(D)	(D)	(D)	(D)
Other counties	1,900	1,900	1,160	22,100	(D)	(D)	(D)	(D)
<b>Southeast</b>	4,000	4,000	1,190	47,400	(D)	(D)	(D)	(D)
<b>Other districts</b>	13,800	12,530	1,440	181,000	19,300	19,130	1,710	327,200
<b>Michigan</b>	230,000	226,000	1,940	4,375,000	275,000	272,000	2,030	5,533,000

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

<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, 2014-2015 <sup>1</sup>

County and district	2014				2015			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Chippewa	1,000	680	69.1	47.0	1,200	750	55.1	41.3
Dickinson	700	440	54.8	24.1				
Mackinac	600	530	53.0	28.1				
Other counties	6,300	5,150	60.2	309.8	10,700	9,050	57.5	520.7
<b>Upper Peninsula</b>	8,600	6,800	60.1	409.0	11,900	9,800	57.3	562.0
Antrim					700	690	56.5	39.0
Charlevoix	500	460	60.7	27.9	600	500	67.4	33.7
Emmet					1,000	650	48.6	31.6
Grand Traverse	1,900	1,630	70.6	115.0	1,900	1,500	49.5	74.3
Leelanau					600	530	62.3	33.0
Missaukee	1,300	1,180	69.2	81.7				
Wexford	600	570	67.2	38.3				
Other counties	1,700	1,360	47.1	64.1	3,100	2,030	48.5	98.4
<b>Northwest</b>	6,000	5,200	62.9	327.0	7,900	5,900	52.5	310.0
Alpena	1,300	550	65.3	35.9	2,000	1,100	72.5	79.8
Cheboygan					600	550	60.0	33.0
Iosco	700	580	84.1	48.8	1,400	1,200	89.2	107.0
Ogemaw	2,100	1,160	65.7	76.2	2,200	1,200	60.0	72.0
Otsego					700	630	44.4	28.0
Presque Isle	2,600	2,550	72.5	185.0	4,300	3,800	66.3	252.0
Other counties	2,200	1,560	62.2	97.1	1,300	820	57.6	47.2
<b>Northeast</b>	8,900	6,400	69.2	443.0	12,500	9,300	66.6	619.0
Mason	1,200	960	65.3	62.7	1,700	1,300	77.7	101.0
Newaygo	800	570	74.9	42.7	1,300	930	67.3	62.6
Oceana					800	760	61.8	47.0
Other counties	1,000	970	66.6	64.6	600	410	76.6	31.4
<b>West Central</b>	3,000	2,500	68.0	170.0	4,400	3,400	71.2	242.0
Clare	600	420	74.3	31.2				
Gladwin	600	460	65.2	30.0	800	740	78.4	58.0
Isabella	1,300	1,010	66.5	67.2	1,800	1,550	62.5	96.8
Mecosta	1,600	1,360	69.8	94.9	2,500	1,450	59.9	86.8
Montcalm					9,000	980	70.8	69.4
Other counties	10,200	7,750	71.8	556.7	3,400	2,880	66.3	191.0
<b>Central</b>	14,300	11,000	70.9	780.0	17,500	7,600	66.1	502.0

See footnote(s) at end of table.

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**Oats: Acreage, yield, and production, by county, 2014-2015 <sup>1</sup> (continued)**

County and district	2014				2015			
	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	1,000	380	63.2	24.0				
Bay	500	290	82.1	23.8				
Huron	1,000	270	99.6	26.9				
Sanilac	2,000	1,240	94.4	117.0	2,300	1,930	100.0	193.0
Other counties	600	520	79.4	41.3	4,100	1,870	110.7	207.0
<b>East Central</b>	5,100	2,700	86.3	233.0	6,400	3,800	105.3	400.0
Allegan					700	410	87.3	35.8
Kent	600	590	64.6	38.1				
Other counties	900	610	60.5	36.9	2,600	1,390	85.8	119.2
<b>Southwest</b>	1,500	1,200	62.5	75.0	3,300	1,800	86.1	155.0
Calhoun					500	390	57.2	22.3
Clinton					900	570	80.7	46.0
Hillsdale	1,000	360	91.7	33.0	1,100	900	62.2	56.0
Ionia					1,300	1,190	44.5	53.0
Jackson					600	380	60.5	23.0
St Joseph					700	360	70.8	25.5
Shiawassee					1,500	1,300	76.9	100.0
Other counties	3,900	2,440	75.8	185.0	1,300	1,010	63.6	64.2
<b>South Central</b>	4,900	2,800	77.9	218.0	7,900	6,100	63.9	390.0
Lapeer	500	440	71.8	31.6	800	710	73.2	52.0
St Clair					500	480	77.1	37.0
Washtenaw					700	460	65.2	30.0
Other counties	2,200	960	76.5	73.4	1,200	650	78.5	51.0
<b>Southeast</b>	2,700	1,400	75.0	105.0	3,200	2,300	73.9	170.0
<b>Michigan</b>	55,000	40,000	69.0	2,760.0	75,000	50,000	67.0	3,350.0

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

**Soybeans: Acreage, yield, and production, by county, 2014-2015 <sup>1</sup>**

County and district	2014				2015			
	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>
Iosco	3,200	3,130	31.9	100				
Montmorency	2,400	2,400	24.8	59				
Ogemaw	2,200	2,200	31.8	70				
Otsego	600	590	24.6	15				
Presque Isle	8,300	7,930	36.6	290				
Other counties	8,800	8,750	26.0	227				
<b>Northeast</b>	<b>25,500</b>	<b>25,000</b>	<b>30.4</b>	<b>761</b>				
Mason	7,100	7,020	33.5	235	5,800	5,800	47.2	274
Muskegon	7,100	7,090	39.5	280	8,300	8,300	44.5	369
Newaygo	6,200	6,150	31.9	196	6,200	6,100	41.1	251
Clare	4,900	4,890	36.6	179				
Gladwin	8,100	7,950	39.9	317	7,100	7,050	45.4	320
Gratiot	76,300	75,900	41.9	3,184	83,500	83,300	53.0	4,416
Isabella	55,900	55,700	40.4	2,251	56,900	56,900	45.4	2,586
Mecosta	4,800	4,760	34.2	163	6,400	6,370	38.3	244
Midland	23,800	23,700	45.2	1,072	21,800	21,600	49.1	1,061
Montcalm	24,000	24,000	35.6	854	24,300	24,300	44.4	1,078
Osceola	2,200	2,100	29.5	62				
Arenac					16,100	16,000	45.1	722
Bay					40,700	40,600	54.2	2,199
Huron	58,200	58,000	38.5	2,233	44,300	44,200	52.6	2,327
Saginaw	107,000	107,000	43.2	4,626	105,000	105,000	52.1	5,468
Sanilac	133,000	132,500	40.9	5,418	121,000	120,900	52.5	6,353
Tuscola	77,200	76,500	42.0	3,216	68,900	68,800	55.2	3,795
Allegan	39,500	39,300	42.3	1,661	42,700	42,600	45.9	1,956
Berrien	39,100	39,000	42.4	1,654				
Cass	43,400	43,300	51.4	2,224	50,000	49,900	50.1	2,500
Kalamazoo	35,300	35,200	46.7	1,643	34,200	34,100	52.5	1,789
Kent	25,000	24,900	40.6	1,012	25,500	25,400	49.8	1,265
Ottawa	21,500	21,400	45.5	974				
Van Buren	21,200	20,900	40.6	849				
Barry	34,600	34,400	42.6	1,464	31,800	31,700	45.9	1,454
Branch	72,400	72,200	42.1	3,042	75,700	75,300	46.7	3,517
Calhoun	71,800	71,600	39.0	2,790	72,800	72,700	44.5	3,233
Clinton	67,300	67,100	44.4	2,980	71,400	69,900	52.3	3,653
Eaton	73,000	72,800	44.6	3,246	76,000	75,900	48.6	3,691
Hillsdale	75,700	75,500	38.9	2,935	79,400	79,300	46.8	3,711
Ingham	47,200	47,100	49.1	2,312	51,300	51,100	50.1	2,558
Ionia	62,100	61,900	44.7	2,767	62,600	62,500	52.7	3,295
Jackson	46,100	46,000	41.1	1,890	45,200	45,200	44.1	1,995
St Joseph	52,700	52,500	45.4	2,384	60,000	60,000	53.3	3,195
Shiawassee	92,100	91,900	45.1	4,143	90,800	89,400	52.3	4,676

See footnote(s) at end of table.

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**Soybeans: Acreage, yield, and production, by county, 2014-2015 <sup>1</sup> (continued)**

County and district	2014				2015			
	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	49,000	48,800	36.6	1,784	47,700	47,600	46.0	2,188
Lapeer	44,000	43,900	36.0	1,580	42,800	42,700	50.2	2,143
Lenawee	118,000	117,800	48.1	5,669	117,000	116,600	48.7	5,684
Livingston	17,900	17,800	43.7	778	18,800	18,700	47.6	891
Macomb	22,000	21,700	39.9	866	17,300	17,000	43.3	736
Monroe	75,800	75,200	48.2	3,626	63,700	62,900	46.6	2,931
Oakland	3,100	3,000	40.0	120	3,400	3,350	46.0	154
St Clair	58,900	58,700	39.1	2,298	52,800	51,800	45.9	2,376
Washtenaw	42,700	42,600	44.2	1,885	43,300	43,200	44.8	1,935
Wayne	3,600	3,500	36.6	128	2,200	2,150	43.7	94
<b>Southeast</b>	435,000	433,000	43.3	18,734	409,000	406,000	47.1	19,132
Other districts					31,500	30,700	35.6	1,092
<b>Michigan</b>	2,050,000	2,040,000	42.5	86,700	2,030,000	2,020,000	49.0	98,980

<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, 2014-2015 <sup>1</sup>**

County and district	2014				2015			
	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	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>Northeast</b>	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Gratiot	9,900	9,900	23.2	230.0	9,300	9,100	27.9	254.0
Midland	3,000	3,000	24.4	73.1	3,700	3,700	27.8	103.0
Montcalm	800	800	23.6	18.9	700	700	24.4	17.1
Other counties	1,600	1,600	20.6	33.0	1,000	900	25.4	22.9
<b>Central</b>	15,300	15,300	23.2	355.0	14,700	14,400	27.6	397.0
Arenac	2,600	2,500	24.8	62.0	2,700	2,600	29.2	76.0
Bay	13,700	13,500	28.0	378.0	13,500	13,500	28.0	378.0
Huron	48,900	48,800	29.9	1,461.0	51,000	51,000	34.0	1,734.0
Saginaw	15,700	15,700	30.3	475.0	16,000	16,000	30.3	485.0
Sanilac	28,300	28,300	30.8	873.0	29,600	29,600	31.5	933.0
Tuscola	20,300	19,700	32.6	642.0	18,200	18,200	34.2	622.0
<b>East Central</b>	129,500	128,500	30.3	3,891.0	131,000	130,900	32.3	4,228.0
Shiawassee	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other counties	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>South Central</b>	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Genesee	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lapeer	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
St Clair	1,300	1,300	25.9	33.7	1,400	1,400	28.3	39.6
Other counties	1,600	1,600	24.7	39.5	1,700	1,700	31.2	53.0
<b>Southeast</b>	2,900	2,900	25.2	73.2	3,100	3,100	29.9	92.6
Other districts	3,300	3,300	23.0	75.8	3,200	2,600	26.7	69.4
<b>Michigan</b>	151,000	150,000	29.3	4,395.0	152,000	151,000	31.7	4,787.0

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

<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, 2014-2015 <sup>1</sup>**

County and district	2014				2015			
	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	5,200	4,700	48.1	226.0	1,800	1,750	68.6	120.0
Ogemaw	2,200	2,120	70.8	150.0	2,600	2,600	99.6	259.0
Presque Isle	3,800	3,380	52.1	176.0				
Other counties	6,000	4,500	56.0	252.0	6,500	6,350	71.7	455.0
<b>Northeast</b>	17,200	14,700	54.7	804.0	10,900	10,700	77.9	834.0
Mason	3,900	3,500	49.1	172.0	4,000	3,550	60.8	216.0
Muskegon	2,900	2,290	39.8	91.1				
Newaygo					2,000	1,850	78.9	146.0
Oceana	1,900	1,700	59.4	101.0				
Other counties	1,800	1,210	64.4	77.9	6,400	3,200	65.9	211.0
<b>West Central</b>	10,500	8,700	50.8	442.0	12,400	8,600	66.6	573.0
Clare	1,500	1,380	61.4	84.8				
Gratiot	21,200	18,900	79.5	1,503.0	18,000	17,500	86.6	1,515.0
Isabella	15,300	13,200	70.8	935.0	15,500	15,100	80.5	1,215.0
Mecosta	2,400	2,030	40.0	81.3	2,000	1,700	57.8	98.3
Midland	3,900	3,280	68.9	226.0	3,900	3,800	87.9	334.0
Montcalm					15,100	15,000	73.5	1,102.0
Osceola	1,000	1,000	67.9	67.9	1,500	1,500	74.0	111.0
Other counties	15,200	14,310	61.5	880.0	3,200	3,100	65.1	201.7
<b>Central</b>	60,500	54,100	69.8	3,778.0	59,200	57,700	79.3	4,577.0

See footnote(s) at end of table.

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**Wheat: Acreage, yield, and production, by county, 2014-2015 <sup>1</sup> (continued)**

County and district	2014				2015			
	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	7,000	6,200	73.1	453.0	6,500	6,100	76.9	469.0
Bay	13,000	11,900	74.6	888.0	12,500	12,300	90.4	1,112.0
Huron	59,000	48,100	90.4	4,350.0	65,900	57,200	104.5	5,980.0
Saginaw	22,300	19,200	74.9	1,438.0	17,000	15,100	86.9	1,312.0
Sanilac	47,500	33,700	72.1	2,431.0	38,000	35,800	89.9	3,218.0
Tuscola	31,200	26,100	79.8	2,082.0	31,100	30,500	85.5	2,609.0
<b>East Central</b>	180,000	145,200	80.2	11,642.0	171,000	157,000	93.6	14,700.0
Allegan	6,500	6,100	69.7	425.0				
Cass	2,100	1,800	67.2	121.0	2,500	1,450	64.3	93.3
Kalamazoo	3,000	2,000	59.5	119.0	3,000	2,950	70.8	209.0
Kent	5,200	4,800	68.3	328.0	6,600	6,150	80.0	492.0
Ottawa	4,500	4,000	67.8	271.0	4,100	3,950	70.9	280.0
Other counties	9,300	1,400	64.3	90.0	8,300	7,900	60.3	476.7
<b>Southwest</b>	30,600	20,100	67.4	1,354.0	24,500	22,400	69.2	1,551.0
Barry	6,300	6,000	79.7	478.0	5,500	5,200	67.5	351.0
Branch	3,800	3,600	61.4	221.0				
Calhoun	5,900	5,680	57.7	328.0	5,600	5,500	64.4	354.0
Clinton	19,800	17,900	81.8	1,465.0	23,100	22,700	89.3	2,028.0
Eaton	15,900	15,300	77.6	1,188.0	14,300	13,800	69.4	958.0
Hillsdale	12,800	12,200	71.8	876.0	13,400	13,300	73.2	973.0
Ingham	16,500	15,300	83.0	1,270.0	13,600	13,300	84.9	1,129.0
Ionia	12,400	12,100	77.9	942.0	13,400	13,300	78.4	1,043.0
Jackson	7,300	6,800	62.9	428.0	7,600	7,500	68.1	511.0
St Joseph	3,400	2,820	67.4	190.0				
Shiawassee	27,400	20,500	61.0	1,250.0	23,500	23,000	76.3	1,754.0
Other counties					9,000	8,700	52.5	457.0
<b>South Central</b>	131,500	118,200	73.1	8,636.0	129,000	126,300	75.7	9,558.0
Genesee	6,900	5,600	62.0	347.0	5,800	5,750	71.8	413.0
Lapeer	6,800	6,300	62.1	391.0	8,100	8,000	88.9	711.0
Lenawee	36,100	32,300	84.8	2,739.0	32,000	24,300	76.5	1,860.0
Livingston	6,500	6,280	69.1	434.0	6,200	6,000	67.7	406.0
Macomb	3,100	2,800	54.3	152.0	1,600	1,450	69.7	101.0
Monroe	24,700	23,800	78.2	1,861.0	19,800	19,000	70.4	1,338.0
St Clair	10,300	9,200	71.4	657.0	6,500	5,950	76.3	454.0
Washtenaw	15,600	14,800	78.6	1,163.0	13,200	12,900	71.6	924.0
Other counties	1,500	1,320	52.3	69.0	1,400	1,350	62.2	84.0
<b>Southeast</b>	111,500	102,400	76.3	7,813.0	94,600	84,700	74.3	6,291.0
<b>Michigan</b>	550,000	470,000	74.0	34,780.0	510,000	475,000	81.0	38,475.0

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

**Cropland and Pasture Cash Rents 2014-2015**

County and district	2014			2015		
	Non-irrigated	Irrigated	Pasture	Non-irrigated	Irrigated	Pasture
	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>
Chippewa	18.00	(D)	(D)	18.00	(D)	(D)
Delta	28.00	(D)	(D)	26.00	(D)	(D)
Dickinson	(D)	(D)	(D)	(D)	(D)	(D)
Gogebic	(D)	(D)	(D)	(D)	(D)	(D)
Houghton	(D)	(D)	(D)	(D)	(D)	(D)
Iron	(D)	(D)	(D)	(D)	(D)	(D)
Keweenaw	(D)	(D)	(D)	(D)	(D)	(D)
Luce	(D)	(D)	(D)	(D)	(D)	(D)
Mackinac	(D)	(D)	(D)	(D)	(D)	(D)
Marquette	(D)	(D)	(D)	(D)	(D)	(D)
Menominee	24.00	(D)	(D)	22.00	(D)	(D)
Ontonagon	29.00	(D)	(D)	(D)	(D)	(D)
Schoolcraft	(D)	(D)	(D)	(D)	(D)	(D)
Other counties	25.00	(D)	(D)	17.00	(D)	(D)
<b>Upper Peninsula</b>	24.00	(D)	(D)	20.00	(D)	(D)
Antrim	22.00	(D)	(D)	50.00	(D)	(D)
Benzie	(D)	(D)	(D)	(D)	(D)	(D)
Charlevoix	37.00	(D)	(D)	36.00	(D)	(D)
Emmet	20.50	(D)	(D)	40.00	(D)	(D)
Grand Traverse	35.00	(D)	(D)	42.00	(D)	(D)
Kalkaska	(D)	(D)	(D)	(D)	(D)	(D)
Leelanau	55.00	(D)	(D)	52.00	(D)	(D)
Manistee	29.00	(D)	(D)	28.00	(D)	(D)
Missaukee	59.00	(D)	(D)	62.00	(D)	(D)
Wexford	42.50	(D)	(D)	41.00	(D)	(D)
Other counties	28.50	80.00	(D)	71.50	(D)	(D)
<b>Northwest</b>	44.00	80.00	(D)	50.00	(D)	(D)
Alcona	19.50	(D)	(D)	24.00	(D)	(D)
Alpena	31.00	(D)	(D)	32.50	(D)	(D)
Cheboygan	25.00	(D)	(D)	28.50	(D)	(D)
Crawford	(D)	(D)	(D)	(D)	(D)	(D)
Iosco	29.50	(D)	(D)	36.00	(D)	(D)
Montmorency	(D)	(D)	(D)	(D)	(D)	(D)
Ogemaw	37.50	(D)	(D)	37.00	(D)	(D)
Oscoda	(D)	(D)	(D)	(D)	(D)	(D)
Otsego	(D)	(D)	(D)	(D)	(D)	(D)
Presque Isle	36.50	(D)	(D)	35.50	(D)	(D)
Roscommon	(D)	(D)	(D)	(D)	(D)	(D)
Other counties	30.00	(D)	(D)	37.00	(D)	(D)
<b>Northeast</b>	31.00	(D)	(D)	33.50	(D)	(D)
Lake	(D)	(D)	(D)	(D)	(D)	(D)
Mason	58.50	(D)	(D)	(D)	(D)	(D)
Muskegon	(D)	(D)	(D)	98.00	(D)	(D)
Newaygo	66.00	(D)	(D)	58.00	(D)	(D)
Oceana	67.00	(D)	(D)	57.00	(D)	(D)
Other counties	85.00	125.00	(D)	51.50	140.00	(D)
<b>West Central</b>	69.50	125.00	(D)	67.00	140.00	(D)
Clare	56.00	(D)	(D)	60.00	(D)	(D)
Gladwin	105.00	(D)	(D)	105.00	(D)	(D)
Gratiot	130.00	(D)	(D)	141.00	185.00	(D)
Isabella	85.50	(D)	(D)	100.00	(D)	(D)
Mecosta	47.00	(D)	(D)	65.00	(D)	(D)
Midland	105.00	(D)	(D)	125.00	(D)	(D)
Montcalm	83.00	(D)	(D)	83.00	(D)	(D)
Osceola	45.00	(D)	(D)	55.00	(D)	(D)
<b>Central</b>	91.00	178.00	(D)	109.00	185.00	(D)

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

**Cropland and Pasture Cash Rents 2014-2015**

County and district	2014			2015		
	Non-irrigated	Irrigated	Pasture	Non-irrigated	Irrigated	Pasture
	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>
Arenac	85.00	(D)	(D)	(D)	(D)	(D)
Bay	132.00	(D)	(D)	(D)	(D)	(D)
Huron	188.00	(D)	(D)	214.00	(D)	(D)
Saginaw	152.00	(D)	(D)	152.00	(D)	(D)
Sanilac	119.00	(D)	(D)	119.00	196.00	(D)
Tuscola	182.00	240.00	(D)	182.00	(D)	(D)
<b>East Central</b>	155.00	203.00	29.00	165.00	220.00	26.00
Allegan	125.00	254.00	40.00	130.00	253.00	38.00
Berrien	133.00	225.00	(D)	128.00	220.00	(D)
Cass	109.00	290.00	(D)	115.00	297.00	(D)
Kalamazoo	94.50	280.00	(D)	100.00	270.00	40.00
Kent	127.00	194.00	42.00	115.00	185.00	35.00
Ottawa	117.00	(D)	36.00	114.00	185.00	(D)
Van Buren	118.00	(D)	29.00	119.00	198.00	(D)
Other counties	(D)	192.00	40.00	(D)	(D)	51.00
<b>Southwest</b>	118.00	239.00	38.00	118.00	248.00	43.00
Barry	110.00	(D)	32.00	109.00	(D)	(D)
Branch	110.00	205.00	(D)	130.00	207.00	(D)
Calhoun	110.00	(D)	(D)	105.00	200.00	(D)
Clinton	131.00	(D)	(D)	139.00	220.00	(D)
Eaton	104.00	(D)	35.00	132.00	(D)	(D)
Hillsdale	141.00	(D)	(D)	136.00	185.00	(D)
Ingham	115.00	(D)	(D)	(D)	(D)	(D)
Ionia	130.00	215.00	40.00	141.00	(D)	(D)
Jackson	86.00	(D)	(D)	86.00	(D)	21.00
St Joseph	115.00	286.00	30.00	116.00	251.00	(D)
Shiawassee	90.00	(D)	(D)	(D)	(D)	(D)
Other counties	(D)	200.00	32.50	107.00	197.00	40.50
<b>South Central</b>	115.00	261.00	33.00	122.00	235.00	34.00
Genesee	78.00	(D)	(D)	90.00	(D)	(D)
Lapeer	76.00	(D)	(D)	77.00	(D)	(D)
Lenawee	166.00	(D)	(D)	151.00	(D)	(D)
Livingston	(D)	(D)	(D)	(D)	(D)	(D)
Macomb	69.00	(D)	(D)	68.00	(D)	(D)
Monroe	132.00	(D)	(D)	142.00	(D)	(D)
Oakland	44.00	(D)	(D)	60.00	(D)	(D)
St Clair	76.00	(D)	(D)	72.00	(D)	(D)
Washtenaw	68.00	(D)	(D)	75.00	(D)	(D)
Wayne	(D)	(D)	(D)	(D)	(D)	(D)
Other counties	75.50	168.00	(D)	71.50	200.00	(D)
<b>Southeast</b>	110.00	168.00	(D)	111.00	200.00	(D)
<b>Other Districts</b>	(D)	70.50	30.00	(D)	105.00	25.50
<b>Michigan</b>	115.00	225.00	30.00	120.00	220.00	30.00

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

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

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

**Cattle: January 1, by county, 2015-2016**

County	All cattle and calves		Milk cows		County	All cattle and calves		Milk cows	
	2015	2016	2015	2016		2015	2016	2015	2016
	<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	5,000	5,000	1,400	1,400	Manistee	2,000	2,000	(D)	(D)
Alger	2,000	2,000	400	400	Marquette	1,700	1,700	(D)	(D)
Allegan	48,000	49,500	21,000	21,500	Mason	9,700	9,700	2,700	2,700
Alpena	9,500	9,500	3,400	3,400	Mecosta	15,200	15,200	5,100	5,200
Antrim	4,300	4,300	(D)	(D)	Menominee	19,000	18,900	7,200	7,300
Arenac	7,700	7,700	3,500	3,500	Midland	7,200	7,200	(D)	(D)
Baraga	(D)	(D)	(D)	(D)	Missaukee	31,000	31,500	16,000	16,500
Barry	29,000	30,000	15,000	15,200	Monroe	3,800	3,800	600	600
Bay	5,300	5,300	1,800	1,800	Montcalm	27,000	27,000	10,700	11,000
Benzie	1,100	1,100			Montmorency	2,500	2,500	600	600
					Muskegon	15,000	15,000	6,800	6,900
Berrien	4,400	4,400	1,200	1,200					
Branch	12,400	12,400	3,800	3,800	Newaygo	26,500	26,500	14,300	14,300
Calhoun	14,000	14,100	4,600	4,600	Oakland	(D)	(D)	(D)	(D)
Cass	4,600	4,600	500	500	Oceana	8,200	8,200	3,000	3,100
Charlevoix	3,200	3,200	800	800	Ogemaw	16,500	16,500	6,800	7,000
Cheboygan	5,800	5,800	800	800	Ontonagon	2,000	2,000	(D)	(D)
Chippewa	6,600	6,600	1,000	1,000	Osceola	19,300	19,600	6,800	7,000
Clare	10,000	10,000	2,700	2,700	Oscoda	3,700	3,700	1,100	1,100
Clinton	50,000	54,000	28,000	29,000	Otsego	1,500	1,500	(D)	(D)
Crawford	(D)	(D)			Ottawa	42,000	42,000	14,500	14,700
Delta	7,500	7,500	1,800	1,800	Presque Isle	5,300	5,300	1,400	1,400
Dickinson	2,500	2,500	500	500	Roscommon	(D)	(D)		
Eaton	10,000	10,000	2,200	2,200	Saginaw	9,000	9,000	2,800	2,800
Emmet	4,000	4,000	400	400	Sanilac	63,000	67,000	26,500	27,000
Genesee	6,500	6,500	1,400	1,400	Schoolcraft	(D)	(D)	(D)	(D)
Gladwin	6,100	6,100	1,100	1,100	Shiawassee	17,000	17,700	6,000	6,100
Gogebic	(D)	(D)			Tuscola	21,000	21,000	5,800	6,000
Grand Traverse	3,000	3,000	200	200	Van Buren	12,000	12,000	5,700	5,700
Gratiot	46,000	48,500	16,000	16,500					
Hillsdale	25,000	27,000	11,500	12,000	Washtenaw	10,300	10,300	2,800	2,800
					Wayne	(D)	(D)	(D)	(D)
Houghton	1,500	1,500	400	400	Wexford	3,400	3,400	900	900
Huron	135,000	145,000	41,000	44,000					
Ingham	16,000	16,000	6,000	6,000	Other counties	4,600	4,600	6,700	6,600
Ionia	49,000	49,500	19,000	19,200					
Iosco	8,000	8,000	2,100	2,100	<b>Michigan</b>	<b>1,120,000</b>	<b>1,150,000</b>	<b>403,000</b>	<b>412,000</b>
Iron	1,200	1,200							
Isabella	27,000	27,500	7,800	7,800					
Jackson	16,000	16,000	3,900	3,900					
Kalamazoo	12,000	12,000	5,800	5,800					
Kalkaska	800	800	(D)	(D)					
Kent	30,000	30,000	9,400	9,500					
Keweenaw	(D)	(D)							
Lake	2,000	2,000	(D)	(D)					
Lapeer	16,500	16,500	3,500	3,500					
Leelanau	2,200	2,200	200	200					
Lenawee	33,000	35,500	13,500	14,000					
Livingston	8,000	8,000	2,000	2,000					
Luce	(D)	(D)							
Mackinac	2,700	2,700	800	800					
Macomb	4,500	4,500	700	700					

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

## 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>
MDARD-Michigan Department of Agriculture & Rural Development	<a href="http://www.michigan.gov/mdard">www.michigan.gov/mdard</a>
MSU Extension	<a href="http://msue.anr.msu.edu">msue.anr.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.rd.usda.gov">www.rd.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, 2012 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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