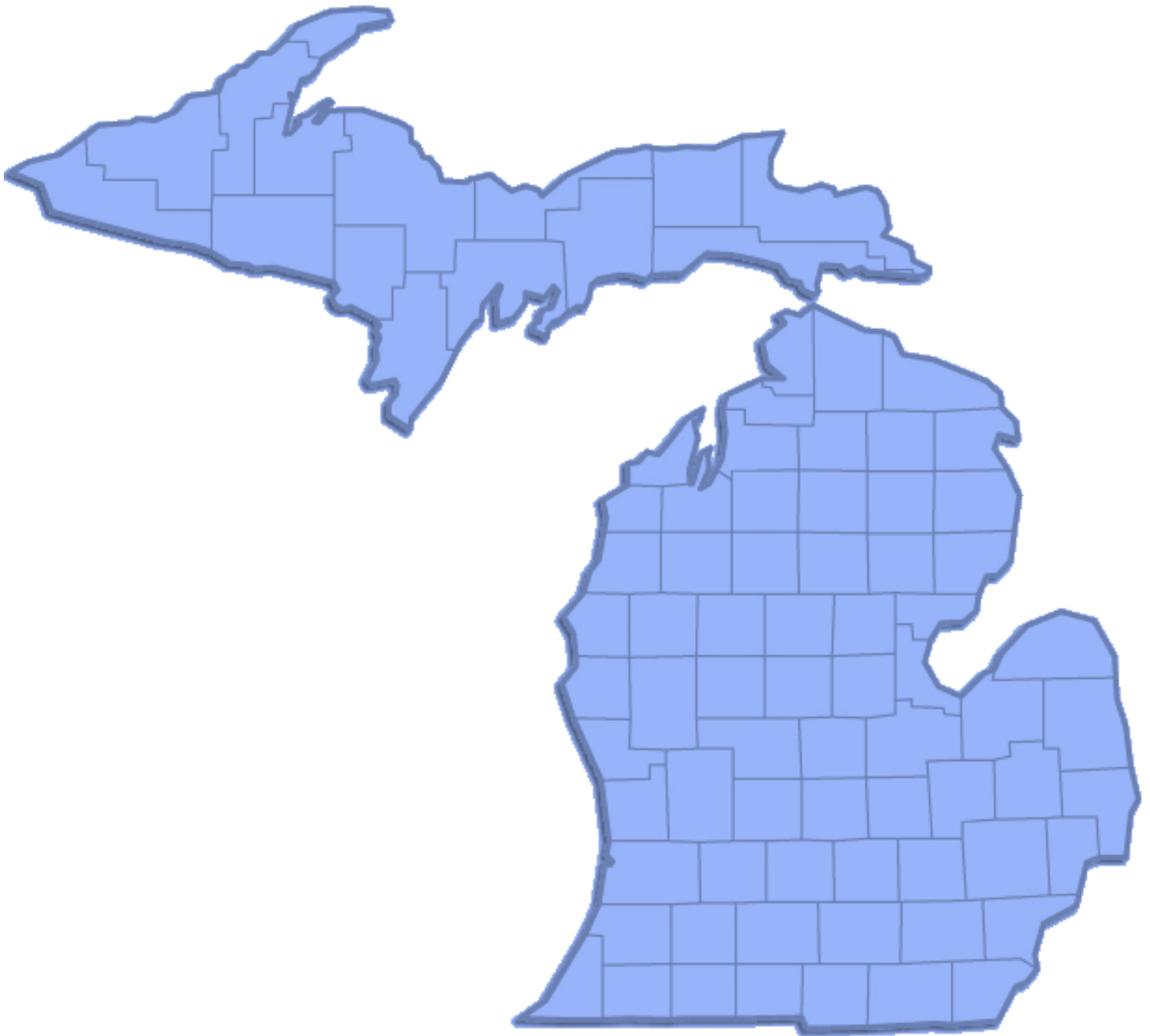


Michigan Agricultural Statistics 2016-2017



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Rank in U.S. agriculture by selected commodities, 2016

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
1	Asparagus	Cwt	230	32.6	Michigan
	Beans, dry, black	Cwt	2,029	46.5	Michigan
	Beans, dry, cranberry	Cwt	41	63.1	Michigan
	Beans, dry, small red	Cwt	348	53.0	Michigan
	Cucumbers	Cwt	5,414	30.6	Michigan
	Cherries, tart	Pounds	227,000	68.9	Michigan
	Grapes, Niagara	Tons	25.0	36.1	Michigan
	Squash	Cwt	1,464	23.9	Michigan
2	Beans, dry, all	Cwt	4,002	13.9	North Dakota
	Beans dry, navy	Cwt	1,306	37.1	North Dakota
	Celery	Cwt	1,062	6.2	California
3	Apples	Pounds	1,175,000	10.4	Washington
	Beans, dry, light red kidney	Cwt	150	32.5	Minnesota
	Blueberries	Pounds	110,300	18.6	Washington
	Snap beans	Cwt	1,667	8.3	Wisconsin
4	Alfalfa haylage and greenchop	Tons	2,225	9.7	Wisconsin
	Carrots	Cwt	1,396	4.6	California
	Cherries, sweet	Tons	22.6	6.4	Washington
	Grapes	Tons	93.4	1.2	California
	Grapes, Concord	Tons	62.2	13.7	Washington
	Sugarbeets	Tons	4,589	12.4	Minnesota
5	Milk	Pounds	10,876,000	5.1	California
	Tomatoes	Cwt	3,146	1.1	California
6	All haylage and greenchop	Tons	2,348	7.2	Wisconsin
	Pumpkins	Cwt	791	4.9	Illinois
7	Bell peppers	Cwt	364	2.3	California
	Egg Production	Eggs	3,963,900	3.9	Iowa
	Maple Syrup	Gallons	90	2.1	Vermont
	Potatoes	Cwt	17,020	4.0	Idaho
8	Cabbage	Cwt	1,155	5.1	California
	Honey	Pounds	5,340	3.3	North Dakota
	Peaches	Tons	10.5	1.3	California
9	Corn for Silage	Tons	6,630	5.3	Wisconsin
	Goats, milk, January 1, 2017	Head	12.5	3.4	Wisconsin
10	Oats	Bushels	1,740	2.7	Texas
	Wheat, winter	Bushels	50,730	3.0	Kansas
11	Turkeys, raised	Head	5,400	2.2	Minnesota
13	Corn for grain	Bushels	320,280	2.1	Iowa
	Hogs, as of Dec. 1, 2016	Head	1,110	1.6	Iowa
	Soybeans	Bushels	104,030	2.4	Illinois
16	Hay, alfalfa	Tons	1,920	3.3	California
17	Sheep, January 1, 2017	Head	85.0	1.6	Texas
19	Cash receipts	Dollars	7,294,315	2.1	California
28	Cattle, as of Jan. 1, 2017	Head	1,180	1.3	Texas

Farm Economics

Number of farms and land in farms by economic sales class, 2012-2016 ¹

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>	
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	
2016	25.50	14.60	4.20	2.90	4.20	51.40	
	<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>
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
2016	1.10	1.60	1.10	1.20	4.95	9.95	194

¹ 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, 2013-2017

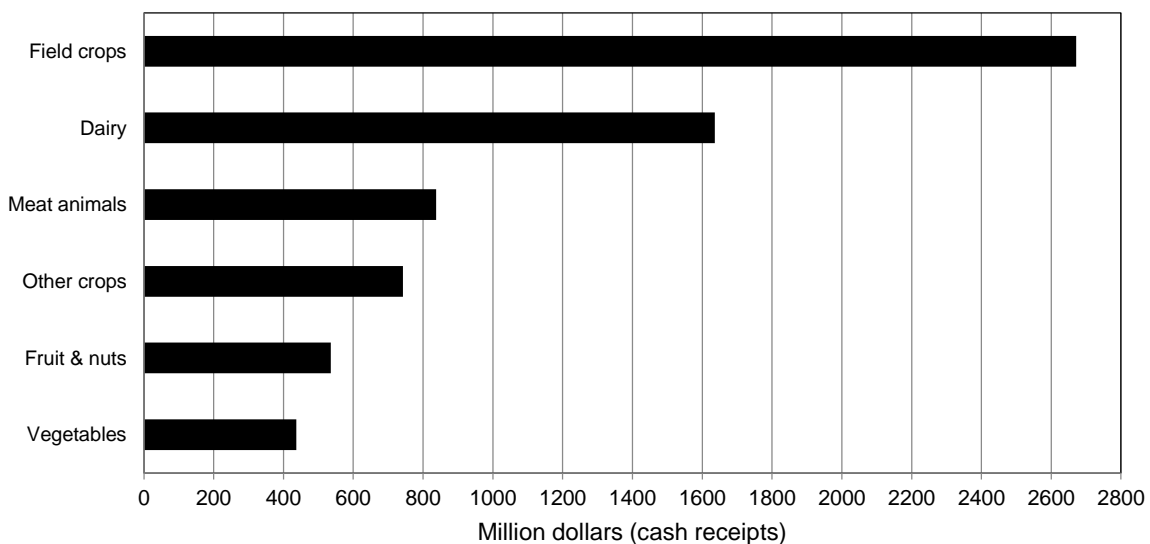
Year	Farm real estate average value per acre	Cropland		Pasture
		Average value per acre	Average cash rent per acre	Average value per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2013	4,300	4,120	118	2,420
2014	4,700	4,500	123	2,500
2015	4,900	4,550	118	2,680
2016	4,800	4,500	127	2,600
2017	4,800	4,450	123	2,550

Government payments, 2012-2016 ¹

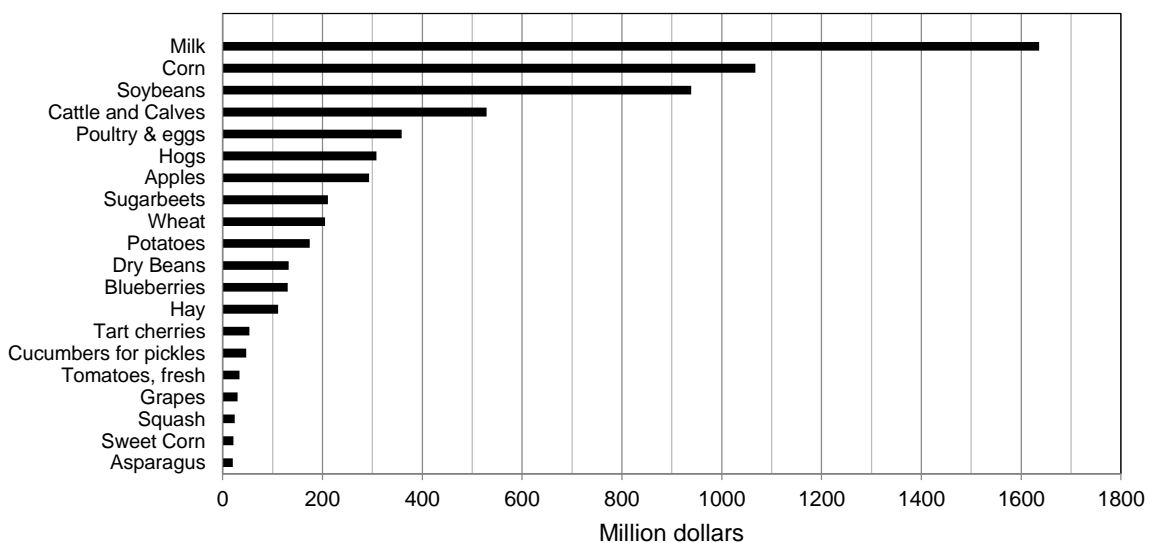
Program	2012	2013	2014	2015	2016
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Conservation programs	61,281	52,098	46,053	39,526	34,269
BMAC-Biomass crop assistance	194	0	43	151	81
Direct payments	78,198	71,160	318	-154	-230
Counter-cyclical payments	0	0	0	-2	0
Loan deficiency payments	1	-1	0	-5	1
Miscellaneous programs	-2	0	0	-1	0
Ad Hoc and emergency programs	12,822	8,017	14,143	2,864	5,016
Milk income loss payments	22,896	11,367	25	-15	4
ACRE	-5	-224	-3	0	0
ARC-Agricultural Risk Coverage				144,743	152,873
PLC-Price Loss Coverage				0	3,180
Dairy Margin Protection Program				49	213
Total	175,384	142,418	60,578	187,155	195,406

¹ Source: U.S. Department of Agriculture, Economic Research Service.

Major Michigan Commodity Groups, 2016



Top 20 Commodities in Cash Receipts, 2016



Value added to the economy by the Michigan agricultural sector 2012-2016 ¹

Item ²	2012	2013	2014	2015	2016
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Value of crop production	4,962.3	5,423.7	4,472.4	4,295.0	4,231.4
Food grains	335.3	280.5	215.0	212.8	209.0
Feed crops	1,993.6	1,658.9	1,427.9	1,335.7	1,180.4
Oil crops	1,206.0	1,113.7	920.2	813.9	938.9
Fruits and tree nuts	207.3	534.5	478.5	437.0	535.2
Vegetables, potatoes, dry beans	544.6	599.6	554.4	609.7	521.4
All other crops	1,049.1	1,076.5	997.2	994.9	1,000.3
Home consumption	1.8	5.2	5.8	6.8	3.5
Value of inventory adjustment ³	-375.5	154.7	-126.7	-115.7	-157.3
Value of livestock production	2,997.4	3,323.4	3,973.6	3,470.3	2,973.9
Meat animals	829.8	947.8	1,076.6	978.3	837.2
Dairy products	1,694.4	1,872.9	2,309.5	1,698.7	1,636.2
Poultry and eggs	343.3	432.1	498.2	680.1	358.9
Miscellaneous livestock	74.6	75.2	79.1	77.1	76.8
Home consumption	10.7	10.6	9.0	8.7	7.5
Value of inventory adjustment ³	44.7	-15.3	1.2	27.5	57.2
Farm related income	1,147.1	939.1	966.5	1,141.9	930.3
Forest products sold	3.2	5.6	7.7	22.0	23.0
Machine hire and custom work	77.0	70.9	123.0	191.2	101.3
Other farm income	659.1	448.8	377.2	507.8	383.3
Gross imputed rental value-farm dwellings	407.7	413.8	458.6	420.9	422.7
Value of agricultural sector production	9,106.8	9,686.1	9,412.5	8,907.3	8,135.6
less: Purchased inputs	5,213.5	5,236.1	5,628.4	5,234.1	5,082.1
Farm origin	2,057.6	2,053.4	2,239.7	2,195.4	2,176.6
Feed purchased	1,127.2	1,122.8	1,345.3	1,275.4	1,284.4
Livestock and poultry purchased	166.2	152.8	151.2	178.7	123.5
Seed purchased	764.2	777.9	743.2	741.3	768.7
Manufactured inputs	1,614.9	1,623.0	1,674.1	1,457.6	1,308.3
Fertilizers and lime	769.9	735.7	731.2	641.6	573.2
Pesticides	318.9	364.4	338.1	332.6	328.0
Petroleum fuel and oils	401.8	415.3	465.4	353.7	285.8
Electricity	124.3	107.6	139.4	129.7	121.3
Other intermediate expenses	1,541.0	1,559.7	1,714.6	1,581.1	1,597.2
Repair and maintenance of capital items	466.2	499.6	526.6	424.6	426.7
Machine hire and custom work	104.7	98.4	127.6	131.7	95.7
Marketing, storage, and transp. expenses	165.0	149.5	248.9	229.7	202.7
Miscellaneous expenses	805.0	812.2	811.5	795.2	872.1
Contract labor	161.7	23.3	51.0	83.1	32.2
plus: Net government transactions	-137.7	-183.1	-343.7	-257.8	-187.8
Direct Government payments	175.4	142.4	60.6	187.2	195.4
Property taxes and fees	313.1	325.5	404.2	445.0	383.2
Gross value added	3,593.9	4,243.6	3,389.4	3,332.2	2,833.5
less: Capital consumption	783.4	842.7	1,107.5	972.3	1,027.0
Net value added	2,810.6	3,400.9	2,281.9	2,360.0	1,806.5
less: Payments to stakeholders	1,638.7	1,564.9	1,617.7	1,593.9	1,823.2
Employee compensation (total hired labor)	877.1	807.7	949.7	922.2	1,067.9
Net rent paid to landlords	354.8	397.7	287.8	275.6	336.3
Real estate and nonreal estate interest	406.8	359.5	380.2	396.0	418.9
Net farm income	1,171.9	1,836.0	664.2	766.1	-16.6

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² 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.

³ 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 2012-2016 ¹

Item	2012	2013	2014	2015	2016
	<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>
Total cash receipts	8,278,712	8,592,363	8,556,735	7,838,072	7,294,315
Total livestock and products	2,942,060	3,328,062	3,963,501	3,434,179	2,909,102
Meat animals	829,767	947,839	1,076,623	978,264	837,160
Cattle and calves	473,212	552,137	679,256	624,664	529,060
Hogs	356,555	395,702	397,367	353,600	308,100
Dairy (milk)	1,694,385	1,872,880	2,309,503	1,698,678	1,636,236
Poultry and eggs	343,328	432,100	498,242	680,100	358,945
Miscellaneous livestock	74,580	75,243	79,133	77,137	76,761
Total crops	5,336,651	5,264,302	4,593,234	4,403,893	4,385,213
Field crops	3,978,240	3,504,128	2,930,130	2,737,818	2,671,739
Corn	1,894,577	1,535,417	1,294,288	1,195,872	1,067,749
Dry beans	120,873	164,659	149,044	159,408	132,379
Hay	97,194	120,811	129,955	136,951	111,152
Soybeans	1,205,990	1,113,748	920,211	813,868	938,932
Sugarbeets	321,769	285,787	215,155	216,052	211,015
Wheat	333,855	278,671	212,305	209,518	205,493
Other	3,982	5,035	9,172	6,149	5,019
Vegetables	423,708	434,930	402,666	450,252	388,977
Asparagus	17,274	18,640	20,505	19,754	20,166
Cabbage, fresh	11,900	11,040	13,392	16,269	
Celery	22,380	20,359	18,853	18,897	18,597
Corn, sweet (fresh)	24,218	23,400	20,452	24,102	21,828
Cucumbers, fresh	17,978	13,965	13,872	13,498	14,484
Cucumbers, processing	37,195	37,352	35,099	37,642	
Onions	7,748	11,082	11,094	10,053	10,053
Peppers, bell	15,808	13,875	13,468	14,896	13,468
Potatoes	165,665	177,210	177,361	174,226	174,254
Pumpkins	13,230	11,212	11,398	12,080	9,778
Squash	24,024	17,690	18,032	19,543	23,893
Tomatoes, fresh	20,800	31,680	16,636	41,808	34,968
Tomatoes, processing	14,210	13,600	15,116	11,120	13,451
Other	31,278	33,825	17,388	36,364	34,037
Fruits and nuts	207,347	534,533	478,467	436,971	535,212
Apples	40,475	254,953	221,115	233,288	293,450
Blueberries	122,700	125,200	123,840	98,925	130,350
Grapes	17,646	35,017	19,954	25,734	30,227
Peaches	2,624	13,972	7,758	5,906	9,210
Strawberries	4,826	7,095	7,258	4,375	
Sweet cherries	6,133	21,012	27,708	13,570	18,185
Tart cherries	12,880	74,515	68,827	53,499	53,790
Other	63	2,769	2,007	1,674	
All other crops	727,356	790,711	782,076	778,851	789,286
Floriculture	379,020	418,931	413,939	409,078	
Miscellaneous crops ²	348,336	371,780	368,137	369,773	789,286

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² Includes field crops, fruits, vegetables, and specialty crops not listed above.

Corn production costs and returns, 2015-2016

Item	United States		Northern Crescent ¹	
	2015	2016	2015	2016
	<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	612.60	582.27	582.49	554.98
Operating costs				
Seed	101.62	98.64	93.66	91.37
Fertilizer ²	137.33	115.76	149.46	126.66
Chemicals	27.95	28.80	27.33	28.21
Custom operations	19.04	19.42	23.48	23.87
Fuel, lube, and electricity	21.28	19.37	19.29	17.30
Repairs	26.18	26.44	25.72	25.77
Purchased irrigation water	0.12	0.14	0.00	0.00
Interest on operating capital	0.28	0.71	0.29	0.72
Total, operating costs	333.80	309.28	339.23	313.90
Allocated overhead				
Hired labor	3.28	3.41	4.08	4.23
Opportunity cost of unpaid labor	25.63	26.66	34.08	35.30
Capital recovery-machinery & equipment	102.63	103.13	89.86	89.86
Opportunity cost of land (rental rate)	179.15	167.40	116.71	110.23
Taxes and insurance	11.01	11.00	11.81	11.73
General farm overhead	19.83	19.85	26.02	26.07
Total, allocated overhead	341.53	331.45	282.56	277.42
Total, costs listed	675.33	640.73	621.79	591.32
Value of production less total costs listed	-62.73	-58.46	-39.30	-36.34
Value of production less operating costs	278.80	272.99	243.26	241.08
Supporting information				
Yield (bushels per planted acre)	167	175	158	163
Price (dollars per bushel at harvest)	3.66	3.32	3.63	3.35
Enterprise size (planted acres) ³	280	280	146	146
Production practices ³				
Irrigated (percent)	11	11	0	0
Dryland (percent)	89	89	100	100

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

² Includes soil conditioners and manure.

³ Developed from survey base year, 2010.

Soybean production costs and returns, 2015-2016

Item	United States		Northern Crescent ¹	
	2015	2016	2015	2016
	<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	408.00	469.56	430.22	499.79
Operating costs				
Seed	61.84	59.21	64.76	63.06
Fertilizer ²	34.21	31.27	45.94	38.93
Chemicals	27.57	27.75	21.64	22.34
Custom operations	10.71	10.15	13.09	13.31
Fuel, lube, and electricity	14.08	10.41	11.24	10.00
Repairs	23.43	21.66	19.65	19.69
Purchased irrigation water	0.06	0.06	0.00	0.00
Interest on operating capital	0.14	0.37	0.15	0.39
Total, operating costs	172.04	160.88	176.47	167.72
Allocated overhead				
Hired labor	3.26	2.18	1.77	1.83
Opportunity cost of unpaid labor	18.79	18.90	18.69	19.36
Capital recovery-machinery & equipment	90.39	86.46	75.16	75.16
Opportunity cost of land (rental rate)	161.54	148.57	128.65	121.50
Taxes and insurance	10.81	10.78	11.06	10.99
General farm overhead	18.36	18.78	22.84	22.88
Total, allocated overhead	303.15	285.67	258.17	251.72
Total, costs listed	475.19	446.55	434.64	419.44
Value of production less total costs listed	-67.19	23.01	-4.42	80.35
Value of production less operating costs	235.96	308.68	253.75	332.07
Supporting information				
Yield (bushels per planted acre)	48	52	49	53
Price (dollars per bushel at harvest)	8.50	9.03	8.78	9.43
Enterprise size (planted acres) ³	273	273	136	136
Production practices ³				
Irrigated (percent)	10	10	3	3
Dryland (percent)	90	90	97	97

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

² Includes soil conditioners and manure.

³ Developed from survey base year, 2012.

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

Commodity	2012	2013	2014	2015	2016
Feed, grains	110.4	102.2	70.7	64.1	58.4
Feed, complete	116.7	120.5	121.5	114.5	110.0
Feed, concentrates	118.5	124.1	135.5	118.0	117.7
Feed, forage	117.4	118.2	113.5	98.3	87.6
Nitrogen	105.8	104.2	102.2	91.1	71.6
Potash & Phosphate	100.8	95.4	94.5	84.6	70.5
Fungicides	105.0	106.4	104.5	101.7	98.6
Herbicides	106.0	108.0	109.7	107.4	109.6
Insecticides	104.3	111.1	112.1	107.2	107.5
Seeds & Plants	105.5	110.2	113.5	114.3	111.5
Cows, milk replacement	100.5	97.2	129.2	140.3	124.7
Feeder cattle	109.2	109.2	157.2	156.4	104.7
Feeder pigs	90.2	112.7	181.6	96.7	90.2
Fuels, diesel	102.5	97.0	92.1	61.2	51.8
Fuels, gasoline	103.0	102.8	104.0	67.2	59.0
Fuels, LP gas	79.8	97.3	112.1	67.2	65.4
Machinery, self propelled	106.4	109.1	114.4	118.1	118.7
Tractors	103.3	106.2	108.2	109.6	111.1
Trucks & Autos	101.9	103.4	104.4	105.5	106.0
Building materials	102.6	104.6	106.9	107.4	107.6
Supplies & Repairs	102.9	103.8	105.7	105.8	106.0
Labor	102.9	106.3	108.0	111.9	115.9
Custom Rates	103.0	106.1	109.3	111.8	111.6
Interest	99.3	93.3	93.1	98.5	105.0
Rent	101.7	105.6	114.2	121.0	117.3
Taxes	101.0	103.4	116.3	123.6	122.8

Farm Labor

Hired farm workers: Annual average wage rates, 2012-2016 ¹

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>
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
2016	13.30	13.17	12.75

¹ Lake States region (Michigan, Minnesota, and Wisconsin).

Agricultural Exports

Michigan agricultural exports: Calendar year 2015 ^{1 2}

Commodity	Value	Percent of total	Rank in U.S.
	<i>Million dollars</i>	<i>Percent</i>	<i>Number</i>
Soybeans	564.3	27.6	13
Dairy products	226.6	11.1	7
Feeds & fodder	189.8	9.3	13
Vegetables (fresh and processed)	205.5	10.1	8
Corn	229.3	11.2	13
Fruit (fresh and processed)	-1.0	0.0	5
Wheat	124.2	6.1	11
Soybean meal	101.0	4.9	13
Pork	97.0	4.7	12
Grain products	79.3	3.9	16
Vegetable oils	70.7	3.5	13
Poultry products	48.3	2.4	14
Beef and veal	52.6	2.6	26
Other livestock products	32.3	1.6	31
Hides and skins	19.4	0.9	22
Other	604.2	29.6	
Total	2,043.9	100	20

¹ Source: U.S. Department of Agriculture, Economic Research Service, www.ers.usda.gov/data-products/state-export-data.

² Based on location of farm where commodity is produced.

Michigan agricultural exports: Top 10 destinations, 2015-2016 ^{1 2}

Country	2015	2016
	<i>Dollars</i>	<i>Dollars</i>
Canada	320,942,607	341,825,540
Mexico	27,279,157	27,885,460
Japan	28,593,504	22,488,937
Indonesia	11,121,133	15,170,504
Italy	13,829,521	12,181,787
Brazil	100,742	9,824,258
Thailand	5,772,308	4,930,732
Costa Rica	1,210,760	2,787,210
Dominican Republic	2,661,809	2,686,136
United Kingdom	716,510	2,004,008
Others	15,797,085	17,874,997
Total	428,025,136	459,659,569

¹ Source: U.S. Department of Commerce, International Trade Administration, www.ita.doc.gov.

² Based on location of exporting firm.

Field Crops

Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

The 2016 growing season was warmer than normal with highly variable precipitation totals and timing. It was preceded by an unusually mild winter. Winter temperatures averaged 27.8°F, which is 7.6°F above normal. It was the fifth warmest winter on record—since 1895. The seasonal state average precipitation was 2.08” above normal. The majority of the precipitation fell as rain, and snowfall totals in most areas were well below normal.

During April, cool, wet weather delayed planting. April average temperatures were from 1°F below normal in the southwest to more than 5°F below normal in the northeast. Precipitation ranged from less than 75% of normal to more than 150% of normal. Below normal temperatures continued the first half of May, further delaying fieldwork. A prolonged period of mild, dry weather began the third week of May, which allowed rapid progress of spring fieldwork and planting. However, by the first week in June the extended dryness resulted in abnormally dry topsoil, slow germination of late-planted crops, delayed activation of some herbicides, and moisture stress for some shallow-rooted crops.

Drier than normal weather continued across much of the state during June. As of the first week of July, the U.S. Drought Monitor put most of Lower Michigan, in D0 "abnormally dry" or D1 "moderate drought" categories. Continued warm and dry weather led to increasing levels of moisture stress during the first three weeks of July. Daytime temperatures in the 90's F. and high levels of solar radiation increased potential evapotranspiration. In late July, rainfall in many areas provided moisture just in time for the water-sensitive pollination stage for a significant portion of the corn crop. Rainfall totals for the last 10 days of July were 2.00"-4.00" across much of western Lower Michigan. Rainfall totals across eastern sections, however, were much less, and dryness and moisture stress continued for many crops there. For the month of July, rainfall totals generally

ranged from less than 1.50" (less than 50% of normal) across eastern and northern sections of the Lower Peninsula to more than 6.00" (more than 200% of normal) in western Lower and Upper Michigan.

Precipitation totals for August ranged from less than 2.0" across west central and northern sections of Lower Michigan to more than 10.0" across southwestern sections of the state. Mean temperatures during August were above normal. Degree day accumulations as of the end of August were generally 150-300 base 50°F units above normal, which translates into 1-2 calendar weeks or more ahead of normal. Warmer than normal weather continued for much of September, bringing most spring-planted crops to maturity. Moderate to heavy rain across portions of southern and central Lower Michigan from the 28th of September through the 1st of October halted most early harvest-related and fall fieldwork. Mean temperatures for September ranged from 2-4 °F above normal. Precipitation totals ranged from less than 2.00" in east central sections of the state to more than 5.00" in the north and west. Given the late season rains, the Palmer Drought Severity Index increased to 'Unusually Moist' across much of southern and east central Lower Michigan and all of Upper Michigan, which is noteworthy as drought conditions had been a problem in some of those areas recently as mid-August.

Warmer than normal weather during October and early November favored crop maturation, grain dry down and fall fieldwork. Mean temperatures for October ranged from 2-4°F above normal, resulting in the 7th consecutive warmer than normal month. On the 24th precipitation disrupted fall harvest and other fieldwork activities, and progress of corn and soybean harvest progress remained behind normal. October precipitation totals ranged from 3.0 to 5.0". By early November most of the state was classified as, 'Unusually Moist' to 'Very Moist' by the long term Palmer Drought Severity Index. The first freezing temperatures of the fall were much later than normal.

Field crops: Acres harvested and value of production, 2012-2016

Item	Unit	2012	2013	2014	2015	2016
Acres harvested	1,000 acres	6,615	6,438	6,487	6,319	6,313
Value of production	1,000 dollars	4,606,889	3,846,327	3,356,414	3,275,413	3,138,634

Grain storage capacity, December 1, 2012-2016

Year	Off farm		On farm capacity <i>Million bushels</i>
	Facilities	Rated capacity	
	<i>Number</i>	<i>Million bushels</i>	
2012	201	200	290
2013	206	210	290
2014	200	217	295
2015	192	220	300
2016	191	225	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	6,630	2016	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	50.5	2016	8.0	1927	
Production	1,000 bu	104,030	2016	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	89.0	2016	10.5	1912	
Production	1,000 bu	50,730	2016	7,350	1912	

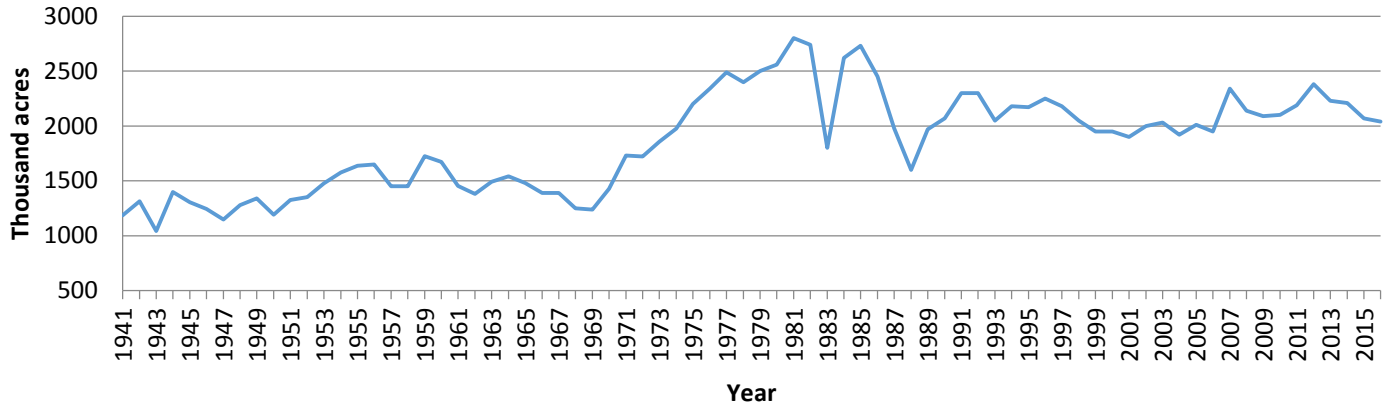
Corn

Corn: Acres, yield, production, and value, 2012-2016

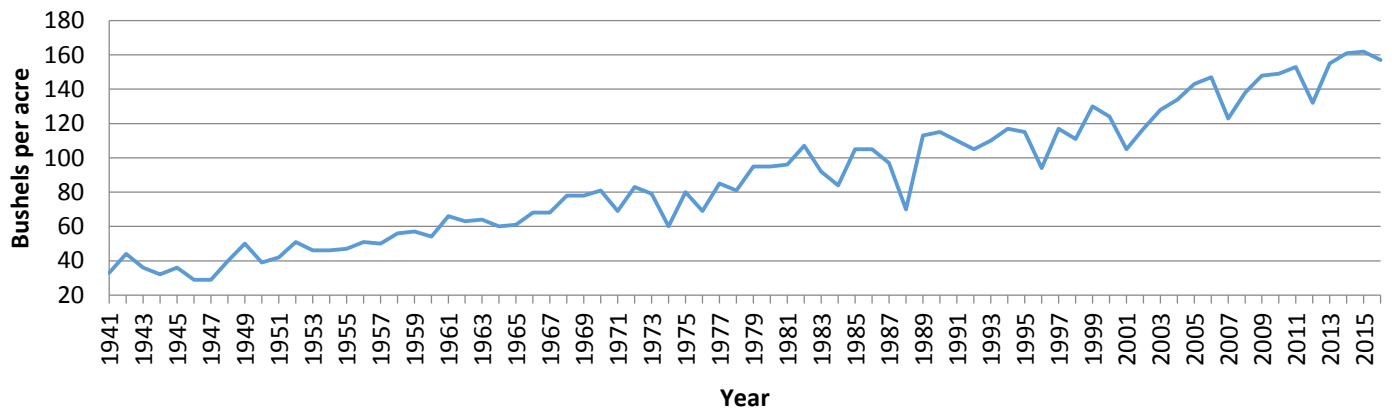
Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2012	2,700					
2013	2,600					
2014	2,550					
2015	2,350					
2016	2,400					
Grain						
2012		2,380	132	314,160	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	3.63	1,217,284
2016		2,040	157	320,280	3.45	1,104,966
Silage	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>		
2012		300	15.5	4,650		
2013		350	17.5	6,125		
2014		320	20.5	6,560		
2015		260	19.0	4,940		
2016		340	19.5	6,630		

¹ Marketing year average.

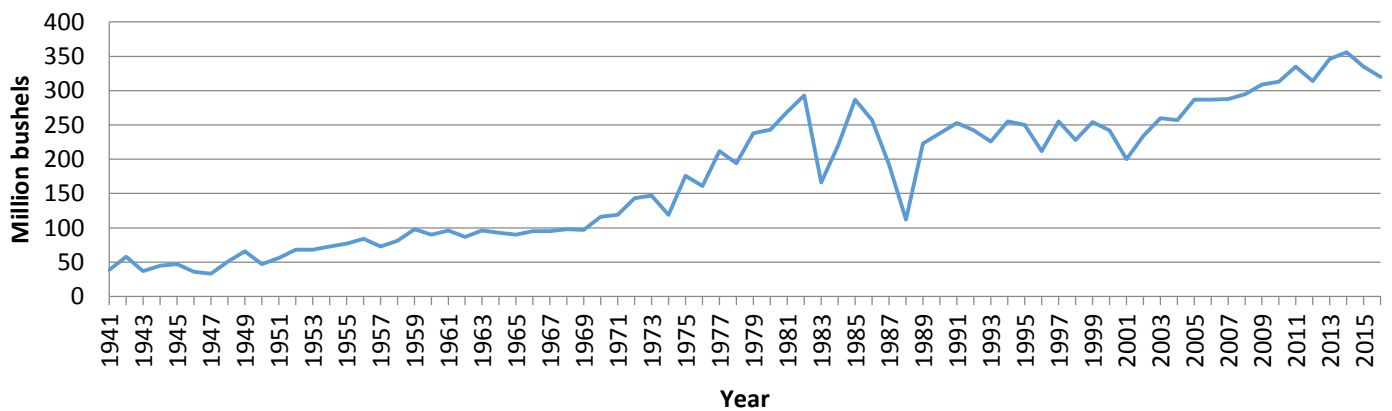
Corn for grain acres, 1941-2016



Corn yield, 1941-2016



Corn production, 1941-2016



Corn for grain: Stocks by quarter, 2012-2016

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>
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
2016	170,000	84,631	95,000	70,458	50,000	51,517	18,500	30,683

Corn: Percentage of acreage planted, 2012-2016

Year	Month and day						
	April		May			June	
	20	30	10	20	30	10	
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	
2016	1	7	23	56	88	98	
5-year-average	2	12	36	68	89	98	

Corn: Percentage of acreage silked, 2012-2016

Year	Month and day					
	July			August		
	1	10	20	30	10	20
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
2016	1	3	36	77	92	98
5-year-average	1	7	41	78	94	99

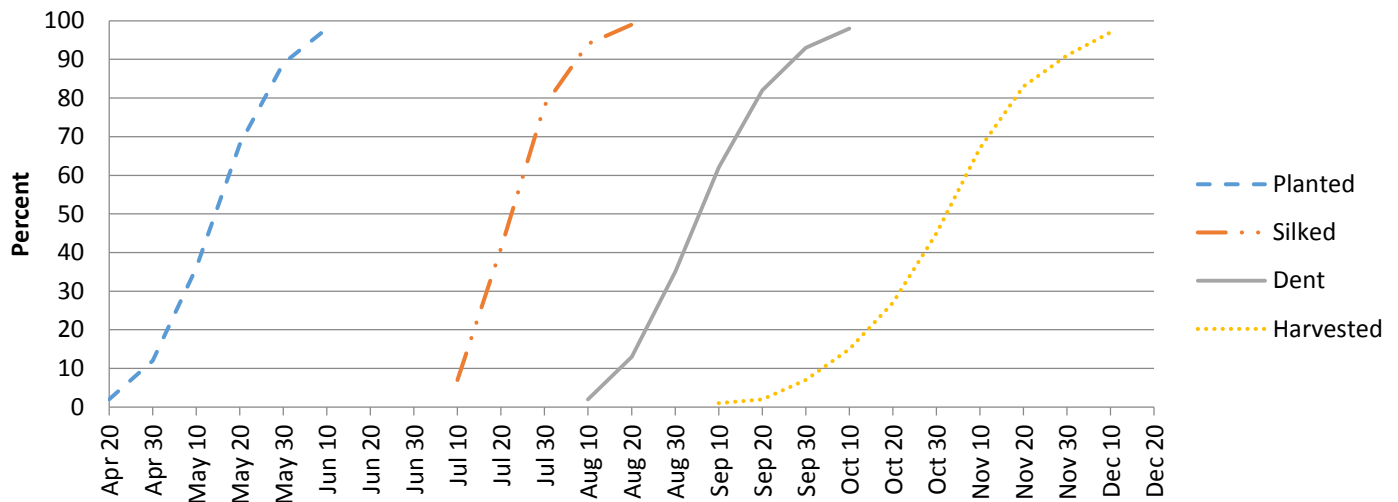
Corn: Percentage of acreage dent stage, 2012-2016

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
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
2016	1	13	39	63	82	93	98
5-year-average	2	13	35	62	82	93	98

Corn: Percentage of acreage harvested for grain, 2012-2016

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
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	93
2015	0	0	6	17	35	57	82	93	97	100
2016	0	0	5	12	22	40	63	83	92	99
5-year-average	1	2	7	15	27	45	67	83	91	97

Corn progress Five-year average, 2012-2016



Corn: Monthly price received, percent of annual sales, and marketing year average price by year

Months	2013		2014		2015		2016	
	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales
	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>
October	4.46	7	3.51	7	3.65	11	3.35	
November	4.10	16	3.56	13	3.50	16	3.24	
December	4.03	11	3.63	15	3.56	12	3.33	
January	4.13	13	3.75	11	3.65	14	3.45	
February	4.25	10	3.69	7	3.71	7	3.52	
March	4.47	8	3.73	8	3.57	7	3.62	
April	4.68	7	3.78	7	3.66	9	3.58	
May	4.64	6	3.58	6	3.75	5	3.58	
June	4.39	5	3.39	9	3.95	7	3.58	
July	3.93	7	3.88	8	3.77	4	3.62	
August	3.55	6	3.69	3	3.45	5	3.48	
September	3.55	4	3.73	6	3.43	3	3.39	
Annual	4.18		3.65		3.63			

Dry Edible Beans

Dry edible beans: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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>
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	28.80	159,350
2016	210	208	1,920	4,002	31.50	126,063

¹ Marketing year average.

Dry edible beans: Acres, yield, and production, by class, 2012-2016

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
Black				
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
2016	104,000	103,000	1,970	2,029
Cranberry				
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
2016	2,600	2,600	1,580	41
Navy				
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
2016	67,000	66,300	1,970	1,306
Pinto				
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
2016	(¹)	(¹)	(¹)	(¹)
Red kidney, dark				
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
2016	2,900	2,800	1,070	30
Red kidney, light				
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
2016	8,600	8,500	1,760	150
Small, red				
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
2016	19,100	19,000	1,830	348
Other				
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
2016	5,800	5,800	1,690	98

¹ Included in "other" class to avoid disclosing data for individual operations.

Dry edible beans: Monthly price received, percent of annual sales, and marketing year average price by year

Months	2013		2014		2015		2016	
	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales
	<i>Dollars per Cwt.</i>	<i>Percent</i>	<i>Dollars per Cwt.</i>	<i>Percent</i>	<i>Dollars per Cwt.</i>	<i>Percent</i>	<i>Dollars per Cwt.</i>	<i>Percent</i>
September	42.70	18	36.00	23	31.00	29	31.00	
October	42.40	53	34.10	48	28.60	36	31.50	
November	42.40	10	33.90	9	27.00	10	32.50	
December	42.70	4	38.10	3	25.30	7	31.80	
January	45.10	3	(D)	3	28.50	5	32.40	
February	46.20	1	40.40	2	(D)	2	34.70	
March	(D)	1	46.20	1	(D)	2	34.10	
April	49.50	1	39.80	1	25.20	1	34.70	
May	53.20	1	38.90	1	27.00	1	33.80	
June	48.90	2	45.10	1	30.00	4	31.00	
July	58.50	1	(D)	1	31.20	2	34.40	
August	(D)	5	(D)	7	33.70	1	32.70	
Annual	43.10		35.30		28.80			

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

Hay and Haylage

Hay, haylage, and greenchop: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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						
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	144.00	385,392
2016		870	2.71	2,357	126.00	312,421
Alfalfa hay						
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	315,084
2016		640	3.00	1,920	137.00	263,040
Alfalfa seedings						
2012	95					
2013	95					
2014	90					
2015	115					
2016	80					
Other hay						
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	126.00	70,308
2016		230	1.90	437	113.00	49,381
All haylage and greenchop						
2012		250	6.26	1,566		
2013		295	7.20	2,123		
2014		290	8.02	2,326		
2015		295	8.44	2,491		
2016		285	8.24	2,348		
Alfalfa haylage and greenchop						
2012		220	6.60	1,452		
2013		270	7.40	1,998		
2014		260	8.60	2,236		
2015		270	8.80	2,376		
2016		250	8.90	2,225		

¹ Marketing year average.

Hay: Stocks on farms, 2013-2017

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2013	140	1,140
2014	270	2,000
2015	490	1,800
2016	440	1,320
2017	375	(¹)

¹ Published in January 2018.

Alfalfa hay: Monthly price received, percent of annual sales, and marketing average price by year

Months	2013		2014		2015		2016	
	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales
	<i>Dollars per ton</i>	<i>Percent</i>	<i>Dollars per ton</i>	<i>Percent</i>	<i>Dollars per ton</i>	<i>Percent</i>	<i>Dollars per ton</i>	<i>Percent</i>
June	210	12	165	15	160	14	115	15
July	175	11	150	13	150	16	140	14
August	180	10	160	11	170	14	155	14
September	180	8	170	8	165	11	145	11
October	185	9	165	7	160	6	150	6
November	200	9	185	7	170	6	160	6
December	180	7	180	8	160	6	150	6
January	175	7	185	7	150	6	155	7
February	175	8	190	7	135	6	150	6
March	170	7	170	7	130	7	140	7
April	150	6	175	6	130	4	140	4
May	170	6	165	4	135	4	150	4
Annual	182		170		154			

Maple Syrup

Maple syrup: Taps, yield, production, price, and value, 2013-2017

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>
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	44.80	4,032
2017	440	0.250	110	(¹)	(¹)

¹ Published in June 2018.

Oats

Oats: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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>
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	6,600
2016	65	30	58	1,740	1.90	3,306

¹ Marketing year average.

Oats: Monthly price received, percent of annual sales, and marketing year average price by year

Months	2013		2014		2015		2016	
	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales
	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>
July	(D)	16	4.09	1	2.66	3	2.21	7
August	3.51	54	3.55	28	1.91	56	1.77	37
September	3.28	8	3.33	56	1.93	16	2.08	4
October	3.25	3	3.26	9	1.89	5	1.55	3
November	(D)	1	3.27	1	1.84	2	(D)	3
December	2.82	1	(D)		(D)	2	(D)	2
January	3.49	1	(D)	1	2.53	4	2.68	7
February	3.84	6	(D)	1	(D)	2	2.79	14
March	4.74	6	3.25	1	2.10	4	2.91	8
April	4.26	1	3.28	1	1.94	4	2.64	6
May	3.45	2	(D)		2.29	1	2.74	4
June	3.54	1	(D)	1	(D)	1	3.02	5
Annual	3.68		3.40		1.97		2.28	

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

Potatoes

Fall potatoes: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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>
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	182,520
2016	47.0	46.0	370	17,020	10.50	178,710

¹ Marketing year average.

Fall potatoes: Stocks by type as percent of total stocks, December 1, 2012-2016

Type	2012	2013	2014	2015	2016
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	86	(¹)	85	85	83
Russet	13	(¹)	14	14	16
Red	1	(¹)	0	0	0
Yellow	0	(¹)	1	1	1

¹ Suspended due to sequestration.

Fall potatoes: Production and disposition, 2012-2016

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>
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
2016	17,020	1,397	280	748	15,992

Fall potatoes: Stocks, 2012-2016

Crop year	December 1	February 1	April 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
2012	9,500	5,700	(¹)
2013	(¹)	(¹)	2,100
2014	(¹)	5,000	2,200
2015	10,900	6,700	3,500
2016	9,900	6,000	2,500

¹ Estimate not available.

Soybeans

Soybeans: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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>
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	873,004
2016	2,070	2,060	50.5	104,030	9.45	983,084

¹ Marketing year average.

Soybeans: Stocks by quarter, 2012-2016

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>
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	36,155	16,000	20,303	6,000	15,221	710	5,147
2016	28,500	42,823	15,500	28,046	8,400	14,978	2,250	4,806

Soybeans: Percentage of acreage planted, 2012-2016

Year	Month and day							
	April	May			June			
	30	10	20	30	10	20	30	
2012	10	25	62	87	99	100	100	100
2013	0	9	51	73	91	100	100	100
2014	0	9	19	52	91	98	100	100
2015	5	32	61	85	95	100	100	100
2016	1	9	28	73	93	100	100	100
5-year-average	3	17	44	74	94	100	100	100

Soybeans: Percentage of acreage setting pods, 2012-2016

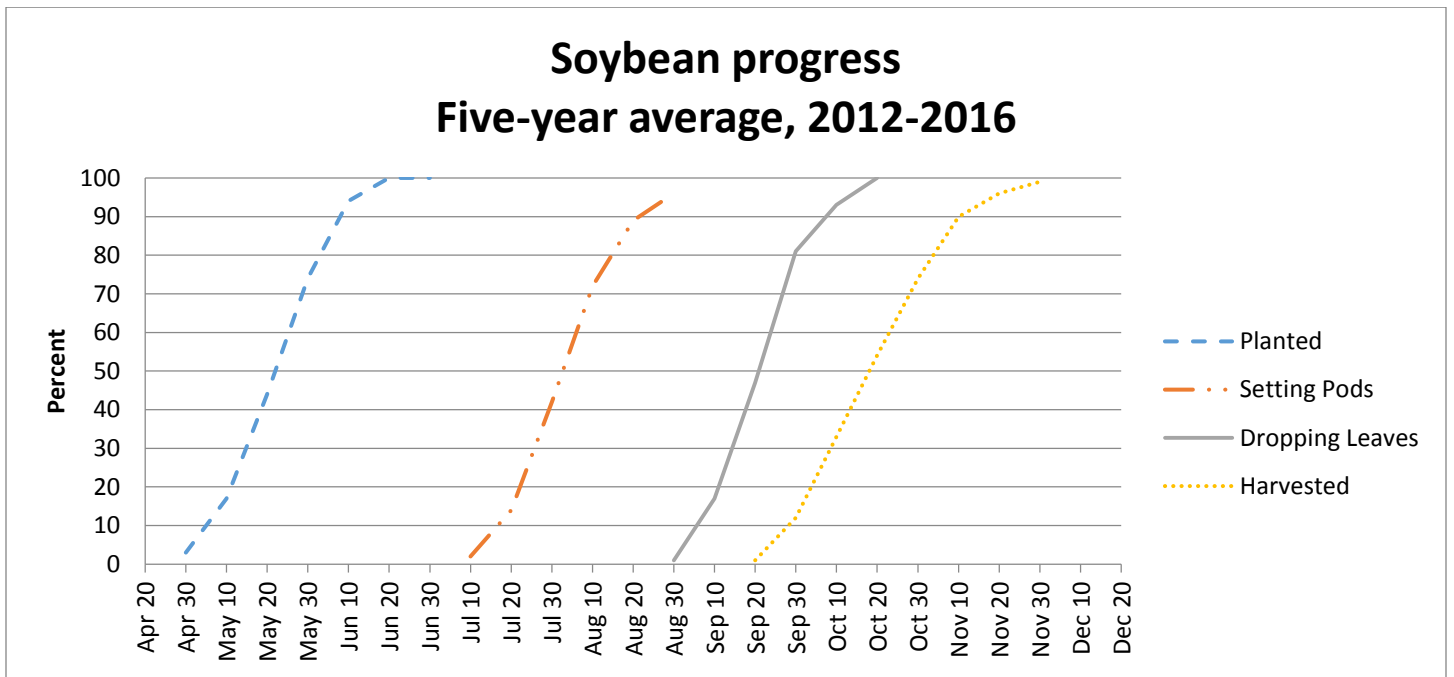
Year	Month and day					
	July			August		
	10	20	30	10	20	30
2012	0	16	47	85	95	99
2013	4	13	41	63	84	95
2014	5	15	46	75	89	96
2015	1	12	38	73	92	97
2016	1	13	38	66	85	93
5-year-average	2	14	42	72	89	96

Soybeans: Percentage of acreage shedding leaves, 2012-2016

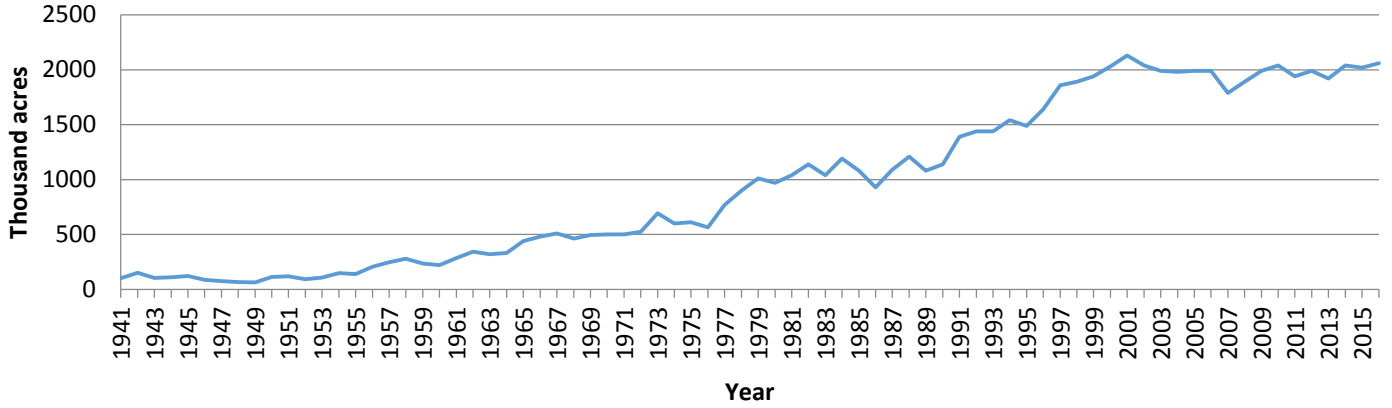
Year	Month and day					
	August		September		October	
	30	10	20	30	10	20
2012	4	24	58	91	99	100
2013	0	6	40	75	88	100
2014	1	15	37	75	93	100
2015	1	25	58	88	97	100
2016	1	16	43	77	90	99
5-year-average	1	17	47	81	93	100

Soybeans: Percentage of acreage harvested, 2012-2016

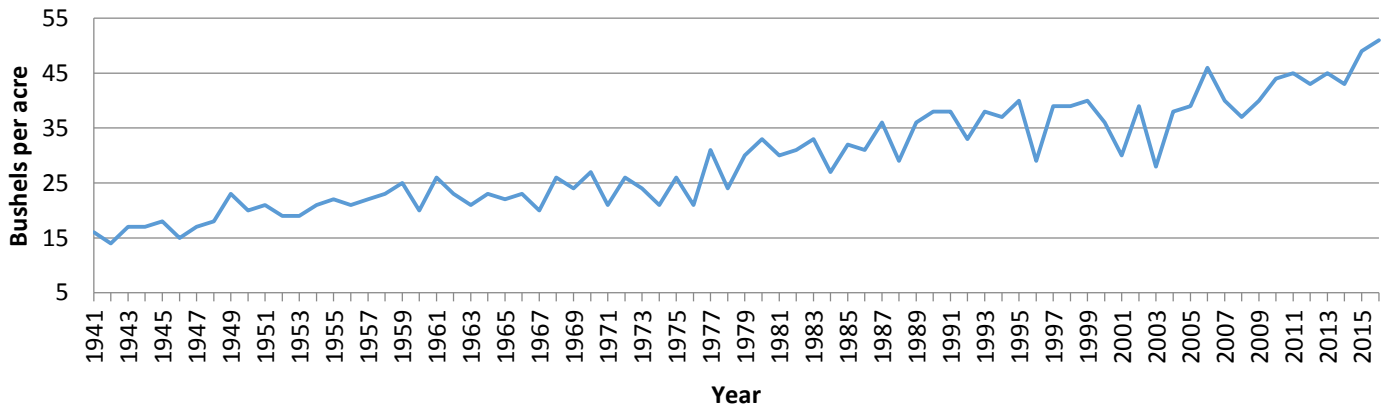
Year	Month and day							
	September		October			November		
	20	30	10	20	30	10	20	30
2012	4	24	55	76	89	97	100	100
2013	0	7	32	56	69	87	96	100
2014	0	4	15	26	59	86	94	100
2015	1	23	47	71	88	96	100	100
2016	0	4	17	43	66	82	91	97
5-year-average	1	12	33	54	74	90	96	99



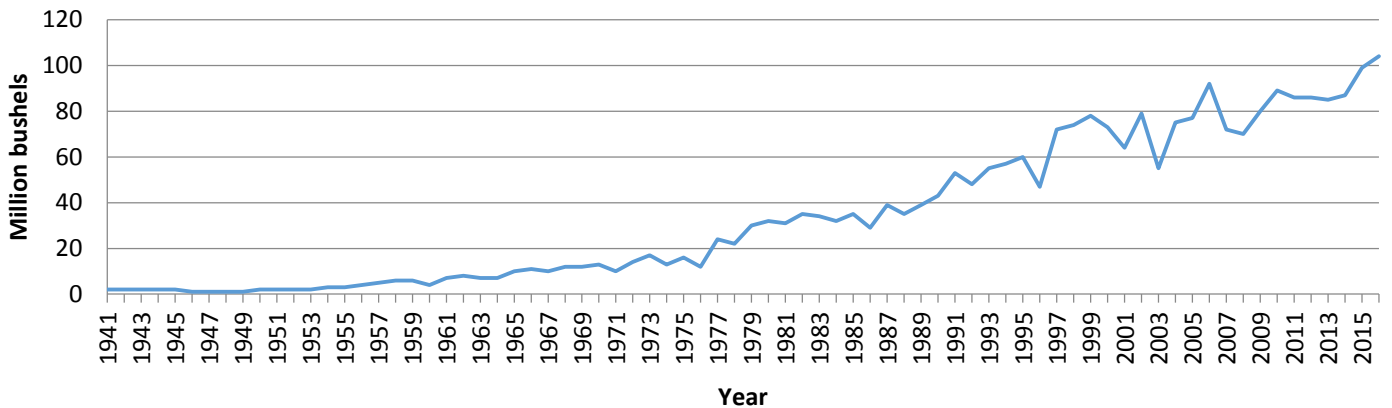
Soybean harvested acres, 1941-2016



Soybean yield, 1941-2016



Soybean production, 1941-2016



Soybeans: Monthly price received, percent of annual sales, and marketing year average by year

Months	2013		2014		2015		2016	
	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales
	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>
September	13.00	3	11.20	1	8.93	5	9.68	2
October	12.40	32	10.10	26	8.73	30	9.28	37
November	12.50	20	10.10	20	8.30	11	9.45	20
December	13.00	8	10.10	12	8.40	9	9.76	6
January	12.80	12	10.40	10	8.58	11	9.76	11
February	13.30	8	9.88	6	8.59	6	10.00	5
March	13.80	4	9.91	6	8.70	9	9.97	4
April	14.50	4	10.00	4	9.01	8	9.70	2
May	14.90	3	9.61	3	9.66	5	9.55	2
June	14.40	3	9.68	5	10.50	3	9.43	3
July	13.00	1	10.20	4	10.30	1	9.61	4
August	12.40	2	10.40	3	10.10	2	9.50	4
Annual	12.90		10.10		8.82		9.51	

Sugarbeets

Sugarbeets: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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>
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	45.30	216,851
2016	151	149	30.8	4,589	(²)	(²)

¹ Marketing year average.

² Published in February 2018.

Wheat

Wheat: Acres, yield, production, and value, 2012-2016

Year	Planted	Harvested	Yield	Production	Price ¹	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>
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	215,845
2016	610	570	89	50,730	4.15	210,530

¹ Marketing year average.

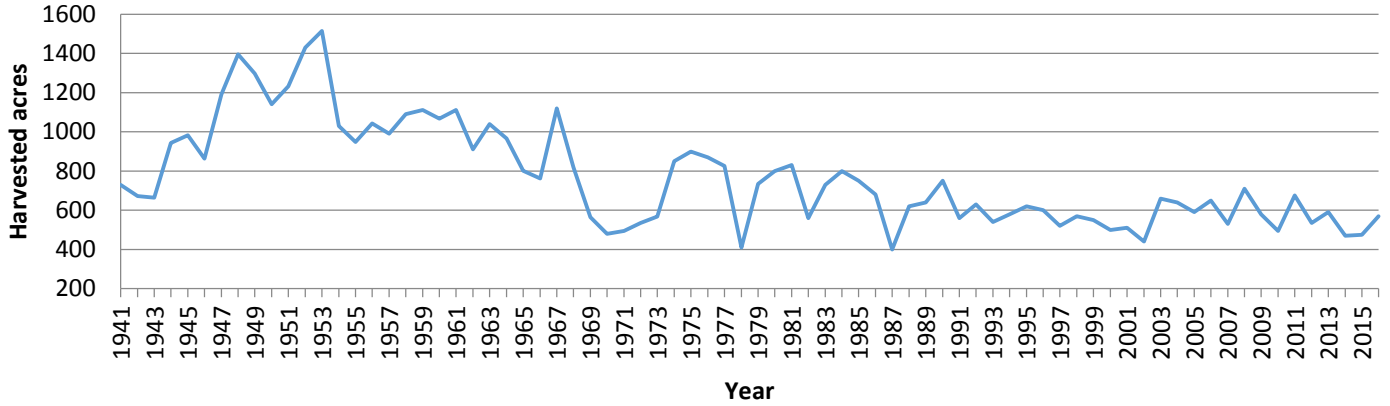
Wheat: Stocks by quarter, 2012-2016

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>
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
2016	7,200	46,582	4,000	42,776	3,400	35,778	1,250	30,088

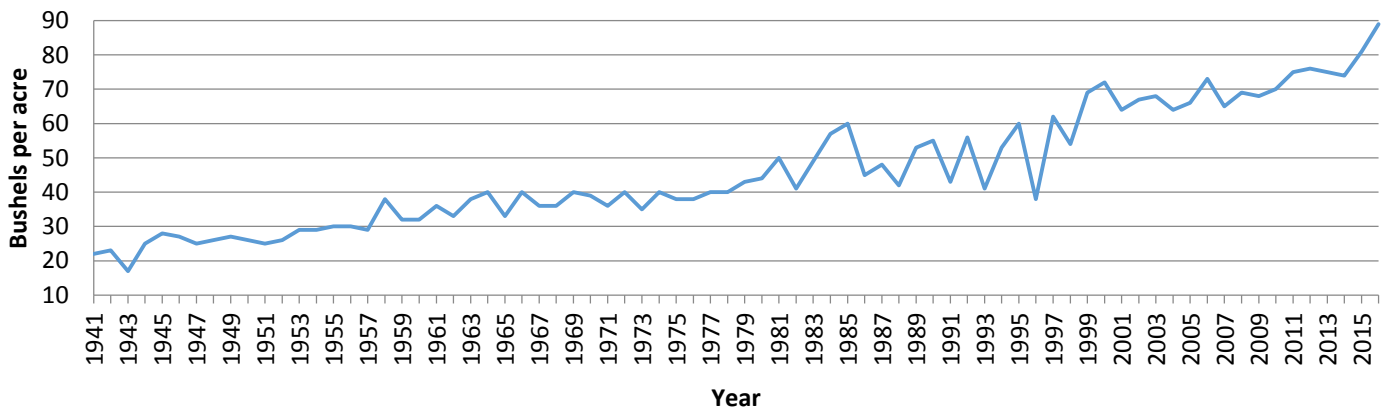
Wheat: Monthly price received, percent of annual sales, and marketing year average price by year

Months	2013		2014		2015		2016	
	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales	Price	Percent of sales
	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>	<i>Dollars per Bu.</i>	<i>Percent</i>
July	6.99	44	5.75	30	5.72	36	4.32	33
August	6.43	25	5.71	38	5.67	27	4.00	23
September	6.51	9	5.57	9	5.51	14	3.94	13
October	6.76	5	5.06	3	5.61	6	4.06	7
November	6.56	1	5.76	4	5.81	1	3.94	3
December	6.37	2	6.11	5	5.63	3	4.13	2
January	6.58	3	6.15	2	5.15	3	4.09	4
February	6.00	3	5.93	1	5.58	2	4.25	6
March	6.60	4	5.96	2	5.25	2	4.49	2
April	6.78	1	6.18	2	5.27	3	4.31	2
May	6.93	1	5.89	2	5.53	1	4.30	2
June	6.59	2	5.62	2	4.96	2	4.28	3
Annual	6.71		5.74		5.61		4.15	

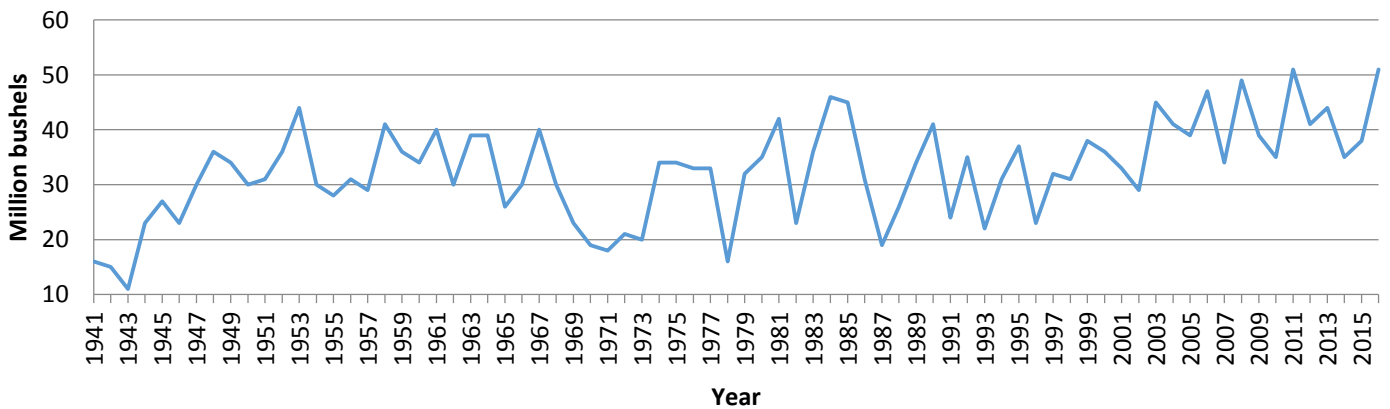
Wheat harvested acres, 1941-2016



Wheat yield, 1941-2016



Wheat production, 1941-2016



Agricultural Chemical Usage

Asparagus: Agricultural chemical applications, 2016 ¹

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>
Herbicides					
2,4-D, dimeth. salt	27	1.5	0.47	0.70	1,900
2,4-D, triiso. salt	24	1.5	0.60	0.88	2,100
Diuron	93	1.2	1.07	1.29	12,300
Glyphosate iso. salt	76	1.3	0.80	1.04	8,100
Glyphosate pot. salt	60	1.2	0.92	1.10	6,800
Metribuzin	23	1.1	0.49	0.53	1,200
S-Metolachlor	57	1.1	1.27	1.43	8,300
Sulfentrazone	55	1.5	0.22	0.33	1,800
Terbacil	5	1.0	0.39	0.40	200
Fungicides					
Chlorothalonil	74	2.4	1.52	3.71	27,800
Mancozeb	14	2.5	0.78	1.96	2,900
Tebuconazole	45	2.0	0.13	0.26	1,200

¹ Planted acres in 2016 were 10,200 acres.

Sweet Corn, Fresh: Agricultural chemical applications, 2016 ¹

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>
Herbicides					
Atrazine	85	1.0	0.84	0.84	7,000
Bentazon	47	1.0	0.60	0.60	2,800
Glyphosate iso. salt	5	1.1	1.03	1.18	600
Glyphosate pot. salt	2	1.0	1.55	1.60	300
Mesotrione	14	1.0	0.19	0.19	300
S-Metolachlor	72	1.1	1.43	1.59	11,200
Tembotrione	4	1.0	0.08	0.08	(²)
Insecticides					
Bifenthrin	37	1.7	0.09	0.15	500
Cyfluthrin	3	2.3	0.04	0.09	(²)
Esfenvalerate	32	1.9	0.04	0.07	200
Lambda-cyhalothrin	15	3.7	0.02	0.08	100
Methomyl	16	2.2	0.52	1.15	1,800
Permethrin	36	2.1	0.19	0.39	1,400
Zeta-cypermethrin	41	1.7	0.03	0.04	200

¹ Planted acres in 2016 were 9,800.

² Total applied was less than 50 lbs.

Cucumbers, Pickles: Agricultural chemical applications, 2016 ¹

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>
Herbicides					
Clomazone	92	1.0	0.25	0.25	8,200
Ethalfuralin	96	1.0	0.83	0.83	28,800
Halosulfuron	31	1.0	0.02	0.02	300
Fungicides					
Chlorothalonil	89	2.0	1.46	2.90	93,700
Copper Hydroxide	21	1.6	0.29	0.47	3,600
Cyazofamid	85	1.7	0.07	0.11	3,500
Mancozeb	59	1.8	1.75	3.17	67,800
Propamocarb hydroch.	58	2.0	0.88	1.77	37,500

¹ Planted acres in 2016 were unpublished; the unofficial estimate is 36,500.

Pumpkins: Agricultural chemical applications, 2016 ¹

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>
Herbicides					
Clomazone	56	1.0	0.26	0.26	800
Ethalfuralin	53	1.0	0.69	0.69	2,000
Glyphosate iso. salt	11	1.0	0.85	0.88	500
Glyphosate pot. salt	7	1.0	1.20	1.20	500
S-Metolachlor	19	1.0	1.07	1.12	1,200
Insecticides					
Carbaryl	3	2.5	0.51	1.25	200
Esfenvalerate	15	2.1	0.03	0.07	100
Fungicides					
Azoxystrobin	17	1.5	0.11	0.17	200
Basic copper sulfate	4	3.1	0.14	0.43	100
Chlorothalonil	70	2.7	1.31	3.56	13,400
Copper chloride	13	2.6	0.21	0.55	400
Copper hydroxide	58	2.1	0.46	0.96	3,000
Cymoxanil	7	1.8	0.12	0.21	100
Famoxadone	6	1.7	0.13	0.22	100
Mancozeb	8	2.8	1.83	5.19	2,300
Myclobutanil	34	2.0	0.09	0.18	300
Propamocarb hydroch.	8	2.2	0.78	1.73	800
Pyraclostrobin	8	1.2	0.19	0.23	100
Thiophanate-methyl	3	1.7	0.38	0.66	100

¹ Planted acres in 2016 were 5,400.

Squash: Agricultural chemical applications, 2016 ¹

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>
Herbicides					
Clomazone	63	1.1	0.20	0.21	800
Ethalfuralin	54	1.0	0.67	0.67	2,300
Glyphosate iso. salt	12	1.3	0.78	1.01	700
S-Metolachlor	15	1.1	1.16	1.23	1,100
Insecticides					
Bifenthrin	32	2.2	0.05	0.11	200
Carbaryl	8	2.9	0.50	1.42	700
Imadacloprid	9	1.0	0.12	0.12	100
Permethrin	24	1.3	0.19	0.26	400
Fungicides					
Azoxystrobin	27	1.0	0.16	0.16	300
Chlorothalonil	93	2.2	1.65	3.64	21,300
Copper chloride hyd.	17	2.3	0.19	0.44	500
Copper hydroxide	70	2.4	0.36	0.85	3,700
Difenoconazole	27	1.1	0.10	0.11	200
Mancozeb	23	1.2	1.76	2.17	3,100

¹ Planted acres in 2016 were 6,300 acres.

Fertilizer applications: Corn, 2016 ¹

Fertilizer	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Million pounds</i>
Nitrogen--N	94	2.6	46	122	276.0
Phosphate--P2O5	80	1.1	38	43	83.9
Potash--K2O	71	1.3	65	82	141.2
Sulfur--S	35	1.3	11	14	11.6

¹ Planted acres in 2016 were 2.40 million acres.

Agricultural chemical applications: Corn, 2016 ¹

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>
Herbicides:					
Acetochlor	20	1.0	1.25	1.25	596,000
Atrazine	55	1.1	0.89	0.94	1,243,000
Clopyralid	7	1.0	0.07	0.07	13,000
Dimethenamid-P	7	1.0	0.52	0.52	89,000
Flumetsulam	11	1.0	0.04	0.04	9,000
Glyphosate iso. Salt	40	1.2	0.84	1.01	963,000
Glyphosate Pot. Salt	41	1.2	0.97	1.16	1,133,000
Mesotrione	17	1.1	0.12	0.13	51,000
Rimsulfuron	11	1.1	0.01	0.02	4,000
S-Metolachlor	19	1.0	1.17	1.17	543,000
Tembotrione	10	1.0	0.07	0.07	17,000

¹ Planted acres in 2016 were 2.40 million acres.

Fertilizer applications: Fall potatoes, 2016 ¹

Fertilizer	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Million pounds</i>
Nitrogen--N	100	4.0	46	188	8.8
Phosphate--P2O5	99	1.2	53	61	2.8
Potash--K2O	99	2.2	99	214	10.0
Sulfur--S	87	1.6	33	54	2.2

¹ Planted acres in 2016 were 43,000 acres.

Agricultural chemical applications: Fall potatoes 2016 ¹

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>
Herbicides					
Linuron	88	1.0	0.59	0.59	24,000
Metribuzin	45	1.7	0.22	0.38	8,000
Pendimethalin	5	1.0	0.78	0.78	2,000
S-Metolachlor	90	1.0	1.29	1.29	55,000
Insecticides					
Imidacloprid	80	1.0	0.17	0.17	6,000
Fungicides					
Chlorothalonil	99	8.4	0.88	7.38	343,000
Cymoxanil	40	2.3	0.13	0.30	6,000
Famoxadone	40	1.0	0.12	0.13	2,000
Mancozeb	37	5.5	1.44	7.92	138,000
Pyrimethanil	56	1.6	0.27	0.45	12,000
Other chemicals					
Diquat dibromide	80	1.5	0.33	0.50	19,000

¹ Planted acres in 2016 were 47,000 acres.

Commercial fertilizer consumption: 2010-2014 ¹

Item	Year ending June 30				
	2010	2011	2012	2013	2014
	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>	<i>Short tons</i>
Primary plant nutrients					
Total N	197,487	220,893	219,315	283,220	250,338
N in multi-nutrients	47,575	45,116	46,585	57,560	48,333
Total P ₂ O ₅	61,478	55,144	60,015	81,768	76,584
P ₂ O ₅ in multi-nutrients	61,251	55,012	59,010	81,608	76,418
Total K ₂ O	123,136	119,301	124,558	171,875	160,972
K ₂ O in multi-nutrients	41,448	31,193	31,443	46,003	39,111
Total plant nutrients	382,101	395,337	403,888	536,864	487,894
Average analysis	40.5	37.8	38.3	39.0	40.7
Total nutrients in multi-nutrients	150,274	131,321	137,038	185,171	163,862
Selected single-nutrient materials					
Ammonium thiosulfate	4,003	3,780	4,905	3,767	8,882
Anhydrous ammonia	32,054	29,847	20,730	35,534	28,088
Nitrogen solutions	277,535	292,265	305,886	379,903	366,048
Urea	75,089	93,879	89,500	122,567	109,146
Ammonium sulfate	31,007	46,145	64,793	62,956	46,551
Concentrated superphosphate	476	260	1,183	91	137
Potassium chloride	127,049	137,516	143,695	197,058	189,187
Multiple-nutrient fertilizers					
N-P-K	166,552	139,609	122,147	186,931	159,761
N-P	102,126	105,275	106,687	145,809	139,516
N-K	74,207	93,538	112,131	121,868	68,845
P-K	3,300	7,575	3,133	830	1,883
Leading multiple-nutrient grades					
10-34-0	30,699	31,057	32,396	43,047	41,909
11-52-0	22,647	20,409	24,852	39,501	36,555
18-46-0	13,940	12,895	11,898	16,023	18,677
12-40-0	4,607	9,786	13,166	15,442	14,423
7-5-5	(²)	(²)	(²)	(²)	8,343
Fertilizer consumption by classes					
Dry bulk single-nutrient	269,277	341,633	350,031	429,669	380,004
Dry bagged single-nutrient	11,375	20,890	15,800	58,918	26,887
Fluid single-nutrient	317,128	338,503	345,583	432,687	421,967
Dry bulk multiple-nutrient	185,986	152,928	167,354	193,706	198,336
Dry bagged multiple-nutrient	67,968	101,443	85,734	161,519	47,210
Fluid multiple-nutrient	92,231	91,626	91,010	100,213	124,459
Organics, secondary and micronutrients	76,304	161,347	240,660	87,635	122,191
Total	1,020,269	1,208,370	1,296,172	1,464,347	1,321,054

¹ Source: The Association of American Plant Food Control Officials.

² 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, 2012-2016

Item	Unit	2012	2013	2014	2015	2016
Bearing acres.....	1,000 acres	107	110	106	104	104
Value of production.....	1,000 dollars	207,347	535,044	477,866	432,596	535,312

Fruit: Acres, production, and value, 2012-2016

Fruit and Year	Bearing acres	Yield	Production		Price	Value of production
			Total	Utilized		
	<i>Acres</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
Apples						
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	0.236	233,288
2016	33,000	35,600	1,175	1,174	0.250	293,450
Blueberries ¹						
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	1.350	98,925
2016	20,300	5,420	110	110	1.190	130,350
Cherries, tart						
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
2016	28,700	7,910	227	225	0.239	53,790
Peaches						
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
2016	2,200	9,640	21.2	21.0	0.438	9,210
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
Cherries, sweet						
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
2016	6,700	3.37	22,610	22,510	808	18,185
Grapes						
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	315	19,954
2015	13,000	6.20	80,600	80,600	319	25,734
2016	12,600	7.41	93,400	93,400	324	30,227
Pears						
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
2016	(²)	(²)	(²)	(²)	(²)	(²)
Plums						
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
2016	(²)	(²)	(²)	(²)	(²)	(²)

¹ Harvested acres.

² Estimates discontinued.

Apples: Utilization and price, 2012-2016

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>
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	450	0.370	540	0.124	990	0.236
2016	550	0.390	624	0.126	1,174	0.250

Apples, processing: Utilization and price, 2012-2016

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>
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	235	0.130	170	0.140	125	0.088
2016	310	0.120	184	0.142	110	0.105

Blueberries: Utilization and price, 2012-2016

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>
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	1.800	31	0.750
2016	110	110	55	1.720	55	0.650

Cherries, Sweet: Production and utilization, 2012-2016

Year	Total production	Utilized production			
		Fresh		Processed	
		Quantity	Price per ton	Quantity	Price per ton
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>
2012	4,250	120	4,280	4,130	1,360
2013	22,900	1,200	2,290	20,600	887
2014	29,860	660	2,430	28,800	906
2015	13,430	430	2,650	12,900	964
2016	22,610	1,460	2,420	21,050	696

Cherries, tart: Utilization, 2012-2016

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>
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	(¹)	(¹)	141	0.337	59.7	0.354
2015	158	157	0.1	26.0	0.341	114	0.343	17.0	0.312
2016	227	225	0.1	35.0	0.249	171	0.237	18.4	0.186

¹ Included in Other.

Cherries, tart: Production by region, 2012-2016

Region	2012	2013	2014	2015	2016
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Northwest	2.6	126.7	139.2	88.5	138.0
West Central	7.8	62.4	45.0	36.7	67.0
Southwest and other	1.2	29.6	18.9	32.8	22.0
Michigan	11.6	218.7	203.0	158.0	227.0

Cherries, tart, frozen: Stocks in cold storage, 2013-2016

Month	East North Central region ¹				48 States total ²			
	2013-14	2014-15	2015-16	2016-17	2013-14	2014-15	2015-16	2016-17
	<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	83,133	65,886	117,682	128,136	114,938	103,362	146,251	173,739
August	113,816	128,085	121,651	142,112	150,224	178,542	158,170	196,001
September	104,879	117,557	112,990	134,045	139,064	164,429	159,154	184,839
October	95,972	110,489	101,870	130,571	128,171	153,521	141,734	174,878
November	86,756	104,290	95,729	116,074	114,676	144,280	132,880	156,973
December	86,134	97,601	89,380	106,585	112,101	134,908	123,378	142,913
January	78,114	95,003	84,187	99,849	99,639	129,319	113,844	131,909
February	72,678	89,535	77,052	94,573	91,631	120,870	102,584	121,549
March	67,145	82,644	69,366	87,926	82,926	105,707	91,204	111,923
April	57,246	75,173	63,409	82,718	71,746	98,519	81,431	102,192
May	47,865	66,025	56,492	76,628	58,869	85,866	72,293	93,736
June	40,328	62,950	50,153	70,932	50,181	79,028	63,925	83,809

¹ Illinois, Indiana, Michigan, Ohio, and Wisconsin.

² Excluding Alaska and Hawaii.

Grapes: Processed utilization and value, 2012-2016

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>
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	315	19,954
2015	54,500	23,800	2,300	80,600	319	25,734
2016	62,200	25,000	6,200	93,400	324	30,227

Grapes: Processed for wine by category, 2012-2016

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>
2012	2,300	615	4,100	1,540	550	295	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	1,400	830	900	1,715	1,000	310	3,300	914	3,016
2016	1,850	775	4,350	1,790	900	330	7,100	1,340	9,512

Vegetables

Vegetables: Area planted and harvested, production, and value, by crop, 2016

Crop	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 dollars</i>
Asparagus	10,200	9,200	230	20,166
Snap beans	19,300	18,400	1,667	32,069
Cabbage	3,600	3,500	1,155	17,248
Carrots	4,000	3,900	1,396	12,532
Celery	1,900	1,800	1,062	18,597
Sweet corn	9,800	9,200	856	21,828
Cucumbers	41,000	40,400	5,414	61,824
Bell peppers	1,500	1,400	364	13,468
Pumpkins	5,400	5,100	791	9,778
Squash	6,300	6,100	1,464	23,893
Tomatoes	6,000	5,700	3,146	48,419
Michigan	109,000	104,700	17,545	279,822

Vegetables, processing: Acres, production, and value, 2012-2016

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>
Cucumbers						
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
2016	(¹)	(¹)	(¹)	236,700	200.00	47,340
Snap beans						
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
2016	(¹)	(¹)	(¹)	70,650	240.00	16,956
Tomatoes						
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
2016	(¹)	(¹)	(¹)	120,100	112.00	13,451

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

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

¹ Estimates discontinued.

Vegetables, fresh market: Acres, production, and value, 2012-2016

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value ¹
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Beans, snap						
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
2016	(¹)	(¹)	(¹)	254	59.50	15,113
Cabbage						
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
2016	(¹)	(¹)	(¹)	(D)	(D)	(D)
Carrots						
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
2016	(¹)	(¹)	(¹)	(D)	(D)	(D)
Corn, sweet						
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
2016	(¹)	(¹)	(¹)	856	25.50	21,828
Cucumbers						
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
2016	(¹)	(¹)	(¹)	680	21.30	14,484
Onions						
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	2,500	2,400	330	792	14.10	10,053
2016	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Tomatoes						
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
2016	(¹)	(¹)	(¹)	744	47.00	34,968

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

¹ Estimates discontinued.

Vegetables, dual purpose: Acres, production, and value, 2012-2016

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						
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
2016	10,200	9,200	25	230	87.70	20,166
Celery						
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	928	20.30	18,897
2016	1,900	1,800	590	1,062	17.50	18,597
Peppers, bell						
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
2016	1,500	1,400	260	364	37.00	13,468
Pumpkins						
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
2016	5,400	5,100	155	791	12.40	9,778
Squash						
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
2016	6,300	6,100	240	1,464	16.30	23,893

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 ¹	1,000 birds	18,133	2016	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 ²	Million eggs	3,964	2016	1,104	1929	1924
Hogs and pigs ¹	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	3,960	2006,2009	1921
Milk	Million pounds	10,876	2016	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

¹ December 1.

² December 1 previous year to November 30.

Cattle and Calves

Cattle and calves: Number on farms by class, January 1, 2013-2017

Class	2013	2014	2015	2016	2017
	<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	490	500	510	520	545
Beef cows	113	119	107	108	120
Milk cows	377	381	403	412	425
Heifers, 500 pounds and over	234	240	225	230	235
Beef cow replacement	28	29	23	27	25
Milk cow replacement	157	164	167	172	170
Other	49	47	35	31	40
Steers, 500 pounds and over	180	175	170	170	169
Bulls, 500 pounds and over	16	15	15	15	16
Calves, under 500 pounds	220	200	200	205	215
All cattle and calves	1,140	1,130	1,120	1,140	1,180

Cattle and calves: Balance sheet, 2012-2016

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings ¹		Farm slaughter cattle and calves ²	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>
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	390	59	318	41	3	24	43	1,140
2016	1,140	410	81	338	41	3	24	45	1,180

¹ Includes custom slaughter and State outshipments, but excludes inter-farm sales within the State.

² Excludes custom slaughter for farmers at commercial establishments.

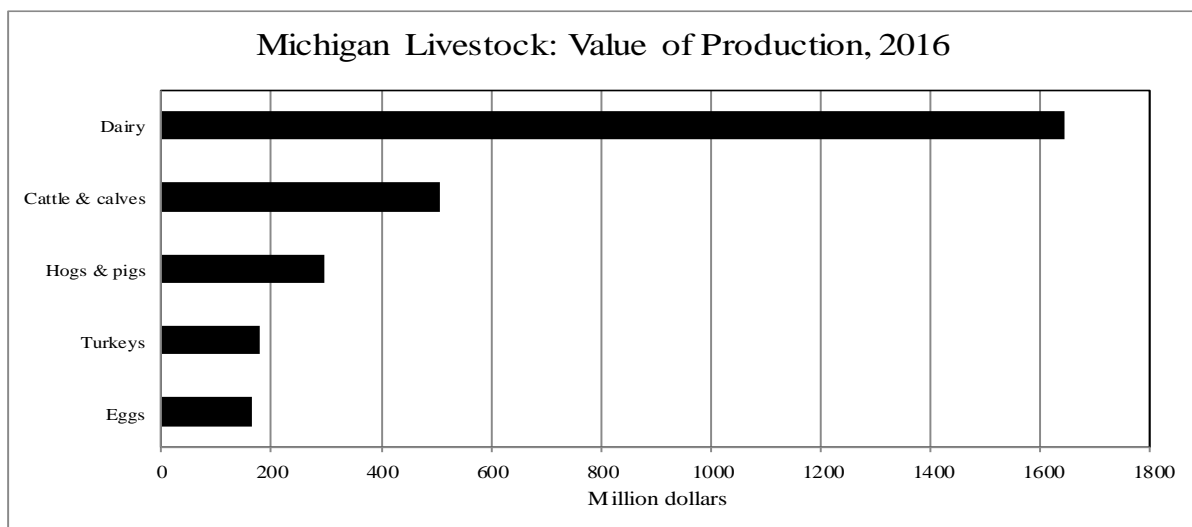
Cattle and calves: Production and income, 2012-2016

Year	Production ¹	Marketings ²	Value of production	Cash receipts ³	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>
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	433,490	441,800	603,120	624,664	19,331	643,995
2016	469,680	476,000	505,309	529,060	15,704	544,764

¹ Adjustments made for changes in inventory and for inshipments.

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

³ Receipts from marketings and sale of farm slaughter.

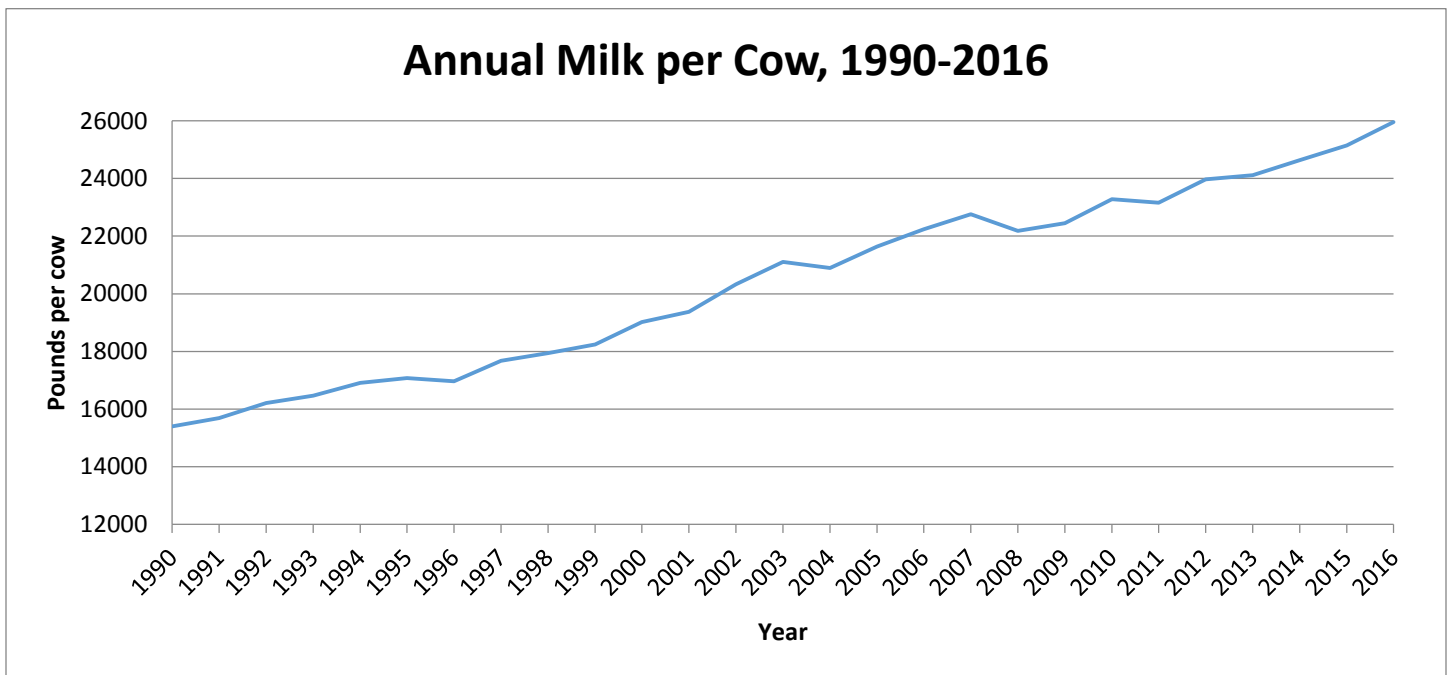


Dairy

Milk: Production, utilization, marketings, and value, 2012-2016

Item	Unit	2012	2013	2014	2015	2016
Production						
Total milk produced on farms	Million pounds	8,991	9,164	9,609	10,261	10,876
Milkfat produced	Million pounds	327.3	339.1	355.5	375.6	399.1
Milkfat	Percent	3.64	3.70	3.70	3.66	3.67
Utilization						
Milk used where produced						
Fed to calves	Million pounds	24	26	24	26	38
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	18.90	20.50	24.10	16.60	15.10
Average return per pound milkfat	Dollars	5.19	5.54	6.51	4.54	4.11
Fluid grade	Percent	100	100	100	100	100
Total cash receipts	1,000 dollars	1,694,385	1,872,880	2,309,503	1,698,678	1,636,236
Value						
Value of milk used where produced ¹	1,000 dollars	4,914	5,740	6,266	332	302
Total value of milk produced	1,000 dollars	1,699,299	1,878,620	2,315,769	1,703,326	1,642,276

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



Milk cows: Number by month, 2012-2016

Month	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>
January	373	378	381	403	413
February	375	378	381	403	414
March	375	(1)	381	403	416
April	375	(1)	383	404	417
May	375	(1)	384	407	418
June	375	(1)	387	408	419
July	376	381	394	409	420
August	376	381	394	410	422
September	374	381	396	410	422
October	374	380	397	410	422
November	375	380	399	411	423
December	377	380	402	412	425
Annual	375	380	390	408	419

¹ No estimate due to sequestration.

Milk production: Total by month, 2012-2016

Month	2012	2013	2014	2015	2016
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	752	779	779	846	896
February	716	711	716	766	849
March	776	794	796	858	924
April	763	765	789	848	903
May	776	798	824	893	955
June	748	770	807	871	922
July	746	766	835	888	932
August	758	781	833	877	920
September	722	739	792	826	880
October	742	760	816	861	903
November	729	733	786	843	882
December	763	768	836	884	910
Annual	8,991	9,164	9,609	10,261	10,876

Milk: Production per cow, by month, 2012-2016

Month	2012	2013	2014	2015	2016
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	2,015	2,060	2,045	2,100	2,170
February	1,910	1,880	1,880	1,900	2,050
March	2,070	(¹)	2,090	2,130	2,220
April	2,035	(¹)	2,060	2,100	2,165
May	2,070	(¹)	2,145	2,195	2,285
June	1,995	(¹)	2,085	2,135	2,200
July	1,985	2,010	2,120	2,170	2,220
August	2,015	2,050	2,115	2,140	2,180
September	1,930	1,940	2,000	2,015	2,085
October	1,985	2,000	2,055	2,100	2,140
November	1,945	1,930	1,970	2,050	2,085
December	2,025	2,020	2,080	2,145	2,140
Annual	23,976	24,116	24,638	25,150	25,957

¹ No estimate due to sequestration.

Dairy Products, by Region, 2012-2016

Product	Region	2012	2013	2014	2015	2016
		<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Cheese, total ¹	Central	4,918.0	4,973.6	5,064.2	5,293.5	5,485.7
Cheese, American type ²	Central	2,104.7	2,106.7	2,188.4	2,250.2	2,291.5
Cheese, Italian	Central	1,868.0	1,903.0	1,899.2	2,025.1	2,138.1
Butter	Central	717.5	720.7	741.1	732.6	756.1
Cottage cheese, lowfat	Central	137.0	126.1	128.0	129.5	131.0
Cottage cheese, creamed	Central	152.3	139.1	141.1	151.9	161.2
Cottage cheese curd	Central	175.6	157.8	158.5	171.6	174.1
Yogurt, plain and flavored	Central	1,900.5	1,963.5	2,058.0	2,074.1	1,977.5
Condensed skim milk, unsweetened, bulk	Central	352.1	496.0	606.9	741.7	748.6
Nonfat dry milk for human food	Central	248.0	256.4	283.1	303.9	341.1
Dry whey for human food	Central	458.6	445.9	407.3	450.0	450.2
		<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	432,054	441,468	424,415	411,813	420,811
Ice cream, lowfat, total	Central	487,039	241,154	245,295	278,528	281,043
Sherbet, hard	Central	24,481	25,115	23,076	23,121	20,504
Frozen yogurt mix	Central	11,611	12,056	11,118	14,437	13,663
Ice cream mix, regular	Central	244,050	251,571	241,364	237,097	241,837
Ice cream mix, lowfat	Central	166,924	157,727	160,400	170,417	166,159
Ice cream mix, lowfat	Michigan	24,531	16,942	16,373	15,189	12,252
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Number of Plants	United States	1,281	1,265	1,269	1,273	1,272
Number of Plants	Michigan	57	53	51	52	51

¹ Excluding cottage cheese.

² 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

Milk and milk cow replacement prices received by farmers, 2016-2017

Month	Milk cows per head ¹	All milk wholesale per cwt
	<i>Dollars</i>	<i>Dollars</i>
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	15.30
November		16.00
December		17.80
2017		
January	1,600	18.10
February		17.50
March		16.50
April	1,650	15.40
May		15.30
June		15.80
July		16.00
August		16.60
September		
October		
November		
December		

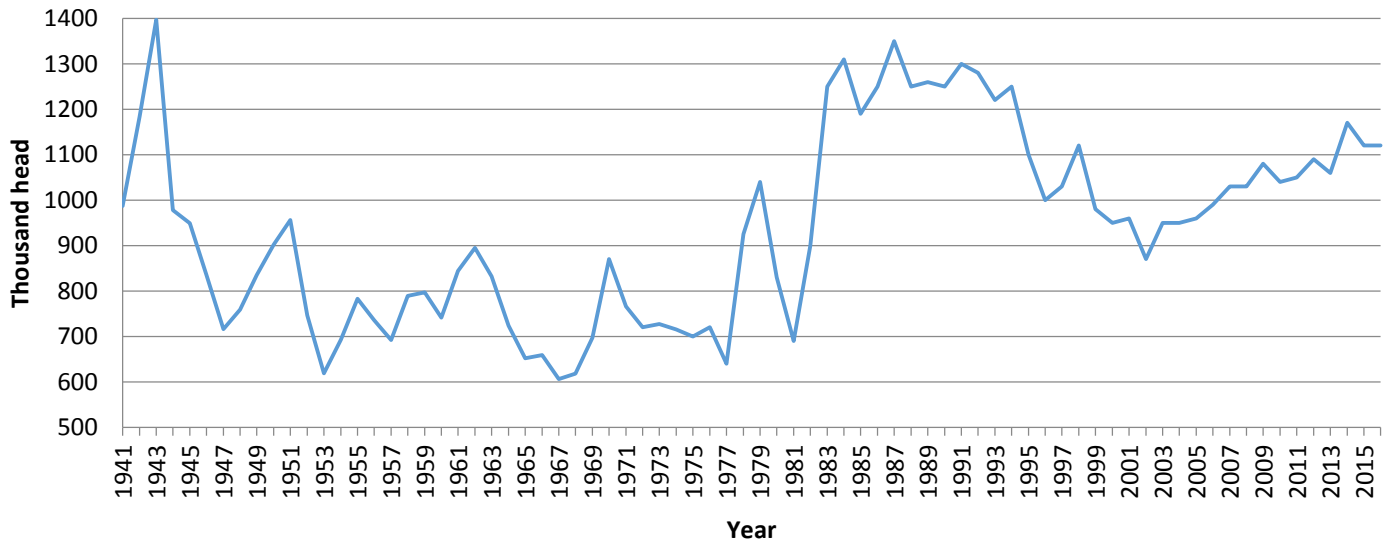
¹ Sold for dairy herd replacement only. Prices published January, April, July, and October.

Hogs and Pigs

Hogs and pigs: Inventory, 2013-2017

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							
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	290	260	260	250	1,060	110	1,170
2017	285	245	240	230	1,000	110	1,110
June 1							
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	305	255	240	240	1,040	110	1,150
2017	290	240	255	225	1,010	110	1,120
September 1							
2013	295	230	190	225	940	110	1,050
2014	290	225	205	200	920	110	1,030
2015	295	250	215	230	1,000	110	1,110
2016	295	270	235	235	1,035	105	1,140
December 1							
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
2016	295	260	215	240	1,010	110	1,120

December 1 Hog Inventory, 1941-2016



Hogs and pigs: Sows farrowing and pig crop, 2012-2017

Year	December-February ¹			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>
2013	53	10.25	543	50	10.20	510
2014	49	9.20	451	52	8.90	463
2015	50	10.50	546	50	10.70	535
2016	57	10.60	541	48	10.50	504
2017	50	10.40	520	50	10.50	525
	June-August			September-November		
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
2016	50	10.50	525	49	10.60	519

¹ December of previous year.

Hogs and pigs: Balance sheet, 2012-2016

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings ¹	Farm slaughter ²	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>
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	2,199	250	2,429	2	68	1,120
2016	1,120	2,089	300	2,327	2	70	1,120

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

Hogs and pigs: Production and income, 2012-2016

Year	Production ¹	Marketings ²	Value of production	Cash receipts ³	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>
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	617,982	630,370	339,815	353,600	619	354,219
2016	593,135	601,809	297,053	308,100	531	308,631

¹ Adjustments made for changes in inventory and for inshipments.

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

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

Honey

Honey: Production and value, 2012-2016 ¹

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
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	244	12,737	1,984
2016	89	60	5,340	225	12,015	1,709

¹ Includes only producers with 5 or more colonies.

² Stocks held by producers.

Mink

Mink: Farms, pelts produced and females bred to produce kits, 2013-2017

Year	2013	2014	2015	2016	2017
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Pelts produced	56,500	53,200	60,250	64,500	(¹)
Females bred to produce kits	(²)	17,500	17,550	17,640	19,900

¹ Published in July 2018.

² No estimate due to sequestration.

Poultry

Chickens: Layers on hand, December 1, 2012-2016

Class	2012	2013	2014	2015	2016
	<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	12,899	13,195	13,192	13,249	14,193
Pullets not of laying age	2,806	3,080	2,819	3,704	3,937
Other chickens	3	3	0	0	3
All chickens (excluding broilers)	15,708	16,278	16,011	16,953	18,133

All eggs: Production and value, 2012-2016 ¹

Year	Eggs produced	Value of production
	<i>Million</i>	<i>1,000 dollars</i>
2012	3,609	239,603
2013	3,818	271,400
2014	3,866	325,518
2015	3,845	494,947
2016	3,964	163,234

¹ December 1 previous year through November 30.

All egg production, by month, 2012-2016

Month	2012	2013	2014	2015	2016
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	296	325	324	334	329
January	298	325	310	327	331
February	278	293	291	294	318
March	300	333	343	328	345
April	299	319	326	315	333
May	314	316	323	323	335
June	301	306	316	310	320
July	311	320	330	318	332
August	305	327	331	325	325
September	291	317	326	318	312
October	307	323	328	331	337
November	309	314	318	322	346
Total ¹	3,609	3,818	3,866	3,845	3,964

¹ 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, 2012-2016

Month	2012	2013	2014	2015	2016
	<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	11,653	12,811	12,986	13,093	13,138
January	11,740	12,824	12,708	13,062	13,208
February	11,877	13,003	12,962	13,147	13,383
March	12,258	13,130	13,282	12,916	13,313
April	12,644	13,090	13,123	12,710	13,130
May	12,641	12,887	12,991	12,780	12,954
June	12,431	12,844	13,097	12,904	13,109
July	12,423	12,962	13,082	13,069	13,336
August	12,581	13,103	12,974	12,991	13,255
September	12,566	12,892	12,982	12,771	13,369
October	12,613	12,828	13,103	12,843	13,961
November	12,872	13,131	13,200	13,120	14,238
Annual ¹	12,358	12,959	13,041	12,951	13,364

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

Turkeys: Number raised and production, 2012-2016 ¹

Year	Number produced	Pounds produced	Value of Production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
2012 ²			
2013	5,200	210,600	140,049
2014	5,100	205,530	151,065
2015	5,200	204,880	166,158
2016	5,400	216,540	178,862

¹ December 1 previous year through November 30.

² Estimate not published.

Sheep and Goats

Sheep and lambs: Number on farms by class, January 1, 2013-2017

Class	2013	2014	2015	2016	2017
	<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	40	42	44
Rams	3	3	3	3	3
Replacement lambs	13	13	12	13	14
Total market sheep and lambs	23	22	21	24	24
All sheep and lambs	82	81	76	82	85

Sheep and lambs: Lamb crop, 2012-2016

Year	Breeding ewes ¹	Lambs per 100 ewes ¹	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
2012	43	151	65
2013	43	147	63
2014	43	140	60
2015	40	123	49
2016	42	119	50

¹ Ewes 1 year and older January 1.

Sheep and lambs: Wool production and value, 2012-2016

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>
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
2016	68	6.0	405	71	288

**Milk goats: Number,
January 1, 2013-2017**

Year	Milk
	<i>Head</i>
2013	11,000
2014	11,400
2015	11,300
2016	11,800
2017	12,500

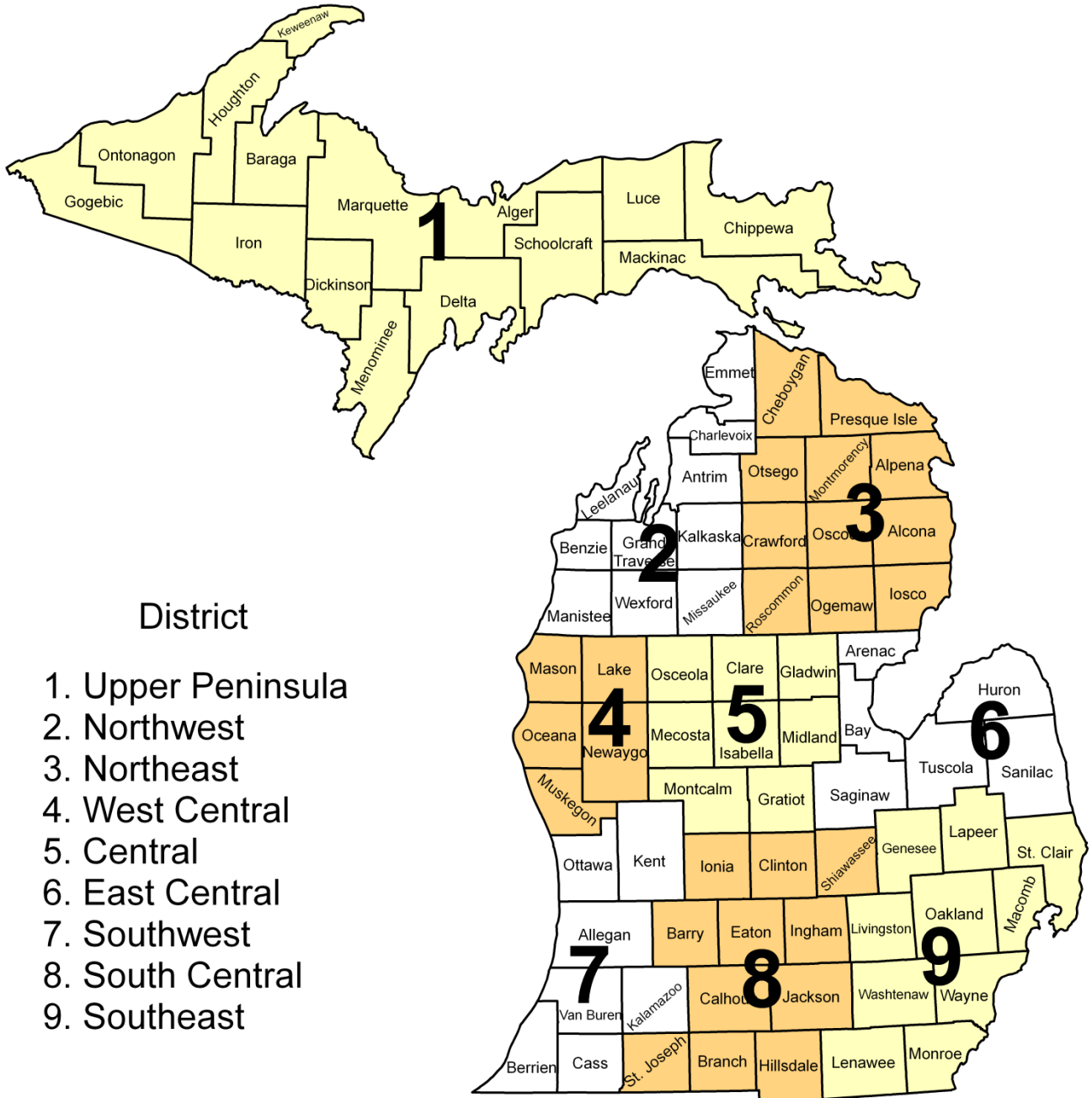
Trout

Trout: Value of Fish Sold and Distributed, 2012-2016

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>
2012	933	889	194	36
2013	709	925	147	30
2014	619	966	71	17
2015	1,347	2,629	61	16
2016	1,360	5,106	193	34

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, 2016 ¹

Rank	Corn for grain	Dry beans	Hay ²	Oats	Soybeans	Sugarbeets	Wheat
1	Lenawee	Huron	Sanilac	Delta	Sanilac	Huron	Huron
2	Saginaw	Sanilac	Osceola	Alpena	Lenawee	Sanilac	Sanilac
3	Sanilac	Bay	Chippewa	Grand Traverse	Saginaw	Tuscola	Tuscola
4	Tuscola	Saginaw	Isabella	Isabella	Gratiot	Saginaw	Lenawee
5	Huron	Montcalm	Lapeer	Presque Isle	Shiawassee	Bay	Clinton

¹ Based on total production.

² Based on 2012 Census of Agriculture

Principal counties for livestock ¹

Rank	January 1, 2017 Cattle and Calves	Hogs and pigs ²	January 1, 2017 Milk cows
1	Huron	Allegan	Huron
2	Sanilac	Cass	Clinton
3	Clinton	Ionia	Sanilac
4	Gratiot	Mecosta	Allegan
5	Allegan	Gratiot	Gratiot

¹ Based on number of head.

² Based on 2012 Census of Agriculture

Principal counties for fruits and vegetables, 2012 ¹

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

¹ Based on acres from 2012 Census of Agriculture.

Corn: Acreage, yield, and production, by county, 2015-2016 ¹

County and district	2015				2016			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Delta	3,200	2,000	130.0	260	3,600	2,800	128.6	360
Dickinson	(D)	(D)	(D)	(D)	1,100	600	113.3	68
Menominee	15,600	5,500	140.0	770	15,400	6,100	132.8	810
Other counties	3,200	1,500	140.0	210	1,900	500	124.0	62
Upper Peninsula	22,000	9,000	137.8	1,240	22,000	10,000	130.0	1,300
Antrim	2,700	1,200	110.8	133	2,300	1,100	122.7	135
Benzie	1,500	1,100	113.6	125	1,500	900	116.7	105
Charlevoix	2,800	2,100	97.6	205	3,000	2,200	96.8	213
Grand Traverse	7,300	5,900	123.7	730	6,800	4,700	83.0	390
Leelanau	2,700	2,000	82.0	164	2,600	1,500	56.0	84
Manistee	2,100	1,500	91.3	137	2,100	1,400	85.7	120
Missaukee	22,800	10,700	131.8	1,410	23,200	4,200	129.8	545
Wexford	6,300	4,500	132.2	595	5,100	3,400	96.5	328
Other counties	1,800	1,000	101.0	101	1,400	600	133.3	80
Northwest	50,000	30,000	120.0	3,600	48,000	20,000	100.0	2,000
Alcona					3,700	2,700	116.7	315
Alpena	7,000	3,900	128.2	500	7,700	5,400	88.9	480
Cheboygan	1,600	1,100	109.1	120				
Iosco	6,100	3,500	140.0	490	6,700	4,500	128.9	580
Montmorency	1,400	1,200	125.0	150	1,000	800	71.3	57
Ogemaw	11,500	7,800	129.5	1,010	13,000	9,000	138.9	1,250
Otsego					1,000	800	75.0	60
Presque Isle	5,900	5,500	119.1	655	5,800	4,500	117.8	530
Other counties	5,500	4,000	131.3	525	2,100	1,300	98.5	128
Northeast	39,000	27,000	127.8	3,450	41,000	29,000	117.2	3,400
Lake	1,600	1,000	115.0	115	1,700	1,300	130.8	170
Mason	15,400	13,200	131.8	1,740	13,700	9,600	140.6	1,350
Muskegon	15,500	9,900	144.4	1,430	14,600	10,300	153.4	1,580
Newaygo	26,000	17,700	139.3	2,465	24,000	13,800	150.7	2,080
Oceana	15,500	12,200	123.0	1,500	15,000	12,000	150.0	1,800
West Central	74,000	54,000	134.3	7,250	69,000	47,000	148.5	6,980
Clare					6,600	3,400	117.6	400
Gladwin	7,500	7,000	151.4	1,060	8,200	6,800	145.6	990
Gratiot	84,000	77,000	170.8	13,150	87,000	74,000	160.1	11,850
Isabella	39,000	32,000	154.7	4,950	42,000	33,100	155.3	5,140
Mecosta	25,500	22,000	133.2	2,930	26,000	22,500	144.9	3,260
Midland	21,500	21,000	159.5	3,350	23,500	22,800	168.9	3,850
Montcalm	60,000	55,000	159.3	8,760	59,000	51,500	156.1	8,040
Osceola					12,700	5,900	130.5	770
Other counties	17,500	11,000	127.3	1,400				
Central	255,000	225,000	158.2	35,600	265,000	220,000	155.9	34,300
Arenac					18,000	15,000	146.7	2,200
Bay					55,000	53,000	167.9	8,900
Huron	108,000	85,000	198.8	16,900	110,000	75,000	170.7	12,800
Saginaw	90,000	88,000	169.3	14,900	90,000	88,000	164.8	14,500
Sanilac	105,000	86,000	183.7	15,800	106,000	77,000	184.4	14,200
Tuscola	78,000	75,000	192.0	14,400	81,000	76,000	173.7	13,200
Other counties	69,000	66,000	163.6	10,800				
East Central	450,000	400,000	182.0	72,800	460,000	384,000	171.4	65,800

See footnote(s) at end of table.

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Corn: Acreage, yield, and production, by county, 2015-2016 ¹ (continued)

County and district	2015				2016			
	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	76,000	60,000	173.3	10,400
Cass	82,000	81,000	159.3	12,900	82,000	79,000	154.4	12,200
Kalamazoo	57,000	53,000	143.8	7,620	57,000	53,000	150.9	8,000
Kent	41,000	34,000	170.6	5,800	39,000	32,000	160.9	5,150
Ottawa	43,000	32,000	155.6	4,980	43,000	28,000	158.9	4,450
Other counties	93,000	90,000	160.2	14,420	98,000	93,000	166.7	15,500
Southwest	390,000	350,000	157.4	55,100	395,000	345,000	161.4	55,700
Barry	44,000	35,000	157.4	5,510	45,000	35,000	150.0	5,250
Branch	87,000	79,000	172.2	13,600				
Calhoun	84,000	81,000	144.4	11,700	85,000	80,000	136.3	10,900
Clinton	73,000	53,000	171.7	9,100	74,000	51,000	164.7	8,400
Eaton	58,000	57,000	163.2	9,300				
Hillsdale	73,000	68,000	155.9	10,600	78,000	70,000	162.9	11,400
Ingham	52,000	48,000	171.9	8,250	53,000	50,000	157.2	7,860
Ionia	83,000	66,000	183.3	12,100	83,000	69,000	169.6	11,700
Jackson	60,000	54,000	141.1	7,620	60,000	54,000	123.7	6,680
St Joseph	76,000	75,000	142.7	10,700	83,000	79,000	123.8	9,780
Shiawassee	55,000	54,000	176.3	9,520	55,000	50,000	150.0	7,500
Other counties					149,000	142,000	158.7	22,530
South Central	745,000	670,000	161.2	108,000	765,000	680,000	150.0	102,000
Genesee	30,000	29,000	165.5	4,800				
Lapeer	30,000	28,000	174.3	4,880	33,000	29,000	170.7	4,950
Lenawee	107,000	95,000	161.1	15,300	112,000	99,000	165.7	16,400
Livingston	19,000	18,000	161.1	2,900	20,000	18,000	155.6	2,800
Macomb	9,300	9,000	154.4	1,390	10,100	8,600	168.6	1,450
Monroe	61,000	60,000	150.3	9,020	60,000	59,000	169.5	10,000
Oakland	2,100	2,000	145.0	290				
St Clair	22,500	22,000	160.9	3,540	22,000	19,900	160.8	3,200
Washtenaw	43,000	41,000	147.6	6,050	41,000	37,000	137.8	5,100
Wayne	1,100	1,000	130.0	130	1,300	1,200	116.7	140
Other counties					35,600	33,300	142.9	4,760
Southeast	325,000	305,000	158.4	48,300	335,000	305,000	160.0	48,800
Michigan	2,350,000	2,070,000	162.0	335,340	2,400,000	2,040,000	157.0	320,280

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

¹ 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, 2015-2016 ¹

County and district	2015				2016			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
Gratiot	8,200	7,350	1,900	140.0	(D)	(D)	(D)	(D)
Isabella	4,200	4,160	1,800	74.9	3,500	3,350	1,670	56.0
Midland	4,900	4,740	1,780	84.6	(D)	(D)	(D)	(D)
Montcalm	9,300	9,280	1,710	159.0	7,300	7,200	1,500	108.0
Other counties	4,900	4,670	1,920	89.5	11,500	11,450	1,970	226.0
Central	31,500	30,200	1,810	548.0	22,300	22,000	1,770	390.0
Bay	(D)	(D)	(D)	(D)	18,900	18,800	1,790	337.0
Huron	89,900	89,200	2,260	2,018.0	76,600	76,600	2,100	1,605.0
Saginaw	(D)	(D)	(D)	(D)	7,000	7,000	1,990	139.0
Sanilac	30,500	30,400	2,250	684.0	26,000	25,500	2,000	510.0
Tuscola	50,500	50,400	2,070	1,042.0	(D)	(D)	(D)	(D)
Other counties	46,100	45,500	1,710	779.0	42,500	42,300	1,840	780.0
East Central	217,000	215,500	2,100	4,523.0	171,000	170,200	1,980	3,371.0
Other counties	3,100	3,090	2,130	65.8	(D)	(D)	(D)	(D)
Southwest	3,100	3,090	2,130	65.8	(D)	(D)	(D)	(D)
Shiawassee	1,600	1,600	2,040	32.7	1,300	1,300	2,260	29.4
Other counties	2,500	2,480	1,460	36.3	1,700	1,500	1,730	26.0
South Central	4,100	4,080	1,690	69.0	3,000	2,800	1,980	55.4
Other counties	(D)	(D)	(D)	(D)	2,100	2,000	1,940	38.7
Southeast	(D)	(D)	(D)	(D)	2,100	2,000	1,940	38.7
Other districts	19,300	19,130	1,710	327.2	11,600	11,000	1,340	146.9
Michigan	275,000	272,000	2,030	5,533.0	210,000	208,000	1,920	4,002.0

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

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

Oats: Acreage, yield, and production, by county, 2015-2016 ¹

County and district	2015				2016			
	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	1,200	750	55.1	41.3	1,500	1,240	52.3	64.9
Delta					2,400	1,500	73.3	110.0
Dickinson					800	600	39.7	23.8
Mackinac					900	580	54.1	31.4
Marquette					600	180	78.9	14.2
Other counties	10,700	9,050	57.5	520.7	6,700	2,920	49.6	144.7
Upper Peninsula	11,900	9,800	57.3	562.0	12,900	7,020	55.4	389.0
Antrim	700	690	56.5	39.0				
Charlevoix	600	500	67.4	33.7				
Emmet	1,000	650	48.6	31.6	1,000	600	55.5	33.3
Grand Traverse	1,900	1,500	49.5	74.3	1,900	900	63.9	57.5
Leelanau	600	530	62.3	33.0				
Other counties	3,100	2,030	48.5	98.4	3,900	2,170	49.9	108.2
Northwest	7,900	5,900	52.5	310.0	6,800	3,670	54.2	199.0
Alcona					700	320	43.8	14.0
Alpena	2,000	1,100	72.5	79.8	1,400	870	82.0	71.3
Cheboygan	600	550	60.0	33.0				
Iosco	1,400	1,200	89.2	107.0	1,000	600	53.8	32.3
Ogemaw	2,200	1,200	60.0	72.0	1,700	680	56.9	38.7
Otsego	700	630	44.4	28.0	700	600	40.8	24.5
Presque Isle	4,300	3,800	66.3	252.0	2,200	1,200	46.8	56.2
Other counties	1,300	820	57.6	47.2	1,200	430	58.1	25.0
Northeast	12,500	9,300	66.6	619.0	8,900	4,700	55.7	262.0
Mason	1,700	1,300	77.7	101.0	1,000	800	51.0	40.8
Newaygo	1,300	930	67.3	62.6	700	510	45.1	23.0
Oceana	800	760	61.8	47.0	600	590	64.9	38.3
Other counties	600	410	76.6	31.4	600	200	64.5	12.9
West Central	4,400	3,400	71.2	242.0	2,900	2,100	54.8	115.0
Gladwin	800	740	78.4	58.0	600	400	59.0	23.6
Isabella	1,800	1,550	62.5	96.8	1,800	800	71.6	57.3
Mecosta	2,500	1,450	59.9	86.8	1,500	660	45.3	29.9
Montcalm	9,000	980	70.8	69.4				
Other counties	3,400	2,880	66.3	191.0	8,800	2,460	57.8	142.2
Central	17,500	7,600	66.1	502.0	12,700	4,320	58.6	253.0

See footnote(s) at end of table.

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Oats: Acreage, yield, and production, by county, 2015-2016 ¹ (continued)

County and district	2015				2016			
	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					800	380	67.9	25.8
Saginaw					700	200	66.0	13.2
Sanilac	2,300	1,930	100.0	193.0	3,300	610	84.6	51.6
Tuscola					600	140	74.3	10.4
Other counties	4,100	1,870	110.7	207.0	3,600	720	86.1	62.0
East Central	6,400	3,800	105.3	400.0	9,000	2,050	79.5	163.0
Allegan	700	410	87.3	35.8				
Kalamazoo					600	50	82.0	4.1
Kent					1,400	710	49.0	34.8
Other counties	2,600	1,390	85.8	119.2	1,500	890	60.8	54.1
Southwest	3,300	1,800	86.1	155.0	3,500	1,650	56.4	93.0
Calhoun	500	390	57.2	22.3	500	490	34.9	17.1
Clinton	900	570	80.7	46.0				
Hillsdale	1,100	900	62.2	56.0	700	300	85.7	25.7
Ingham					500	500	69.2	34.6
Ionia	1,300	1,190	44.5	53.0				
Jackson	600	380	60.5	23.0	500	200	63.0	12.6
St Joseph	700	360	70.8	25.5				
Shiawassee	1,500	1,300	76.9	100.0	700	500	40.6	20.3
Other counties	1,300	1,010	63.6	64.2	3,400	1,100	66.1	72.7
South Central	7,900	6,100	63.9	390.0	6,300	3,090	59.2	183.0
Lapeer	800	710	73.2	52.0				
St Clair	500	480	77.1	37.0				
Washtenaw	700	460	65.2	30.0				
Other counties	1,200	650	78.5	51.0	2,000	1,400	59.3	83.0
Southeast	3,200	2,300	73.9	170.0	2,000	1,400	59.3	83.0
Michigan	75,000	50,000	67.0	3,350.0	65,000	30,000	58.0	1,740.0

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

Soybeans: Acreage, yield, and production, by county, 2015-2016 ¹

County and district	2015				2016			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Other counties					4,100	4,100	35.6	146
Northwest					4,100	4,100	35.6	146
Mason	5,800	5,800	47.2	274	6,100	6,070	49.9	303
Muskegon	8,300	8,300	44.5	369	7,900	7,850	51.8	407
Newaygo	6,200	6,100	41.1	251	6,800	6,720	43.5	292
Other counties	6,200	6,100	38.9	237	5,300	5,260	42.8	225
West Central	26,500	26,300	43.0	1,131	26,100	25,900	47.4	1,227
Clare					4,500	4,460	43.7	195
Gladwin	7,100	7,050	45.4	320	8,100	8,100	46.5	377
Gratiot	83,500	83,300	53.0	4,416	79,200	78,800	54.1	4,264
Isabella	56,900	56,900	45.4	2,586	54,700	54,400	52.5	2,857
Mecosta	6,400	6,370	38.3	244	7,500	7,460	42.8	319
Midland	21,800	21,600	49.1	1,061	22,100	22,000	50.2	1,104
Montcalm	24,300	24,300	44.4	1,078	25,800	25,700	51.8	1,330
Osceola					1,600	1,580	43.0	68
Other counties	7,000	6,980	41.8	292				
Central	207,000	206,500	48.4	9,997	203,500	202,500	51.9	10,514
Arenac	16,100	16,000	45.1	722	17,200	17,100	45.4	776
Bay	40,700	40,600	54.2	2,199	49,500	49,400	54.0	2,670
Huron	44,300	44,200	52.6	2,327	46,800	46,700	51.9	2,425
Saginaw	105,000	105,000	52.1	5,468	113,500	112,800	51.6	5,817
Sanilac	121,000	120,900	52.5	6,353	120,000	119,800	53.6	6,421
Tuscola	68,900	68,800	55.2	3,795	72,000	71,700	52.8	3,788
East Central	396,000	395,500	52.8	20,864	419,000	417,500	52.4	21,897
Allegan	42,700	42,600	45.9	1,956	42,900	42,900	54.5	2,340
Cass	50,000	49,900	50.1	2,500	47,500	47,400	50.7	2,401
Kalamazoo	34,200	34,100	52.5	1,789	33,000	32,900	56.8	1,870
Kent	25,500	25,400	49.8	1,265	24,600	24,500	55.6	1,363
Ottawa					21,700	21,700	55.6	1,206
Other counties	90,600	90,000	47.5	4,276	62,300	62,100	49.6	3,080
Southwest	243,000	242,000	48.7	11,786	232,000	231,500	53.0	12,260
Barry	31,800	31,700	45.9	1,454	30,900	30,300	48.9	1,483
Branch	75,700	75,300	46.7	3,517	74,000	73,800	47.8	3,530
Calhoun	72,800	72,700	44.5	3,233	75,300	75,100	50.2	3,770
Clinton	71,400	69,900	52.3	3,653	70,100	69,900	54.2	3,790
Eaton	76,000	75,900	48.6	3,691	76,900	76,700	49.6	3,801
Hillsdale	79,400	79,300	46.8	3,711	80,100	79,800	51.2	4,087
Ingham	51,300	51,100	50.1	2,558	53,400	53,100	51.8	2,753
Ionia	62,600	62,500	52.7	3,295	63,000	62,800	54.8	3,440
Jackson	45,200	45,200	44.1	1,995	48,000	47,800	45.4	2,169
St Joseph	60,000	60,000	53.3	3,195	48,000	47,800	50.0	2,388
Shiawassee	90,800	89,400	52.3	4,676	90,300	89,900	47.3	4,250
South Central	717,000	713,000	49.1	34,978	710,000	707,000	50.2	35,461

See footnote(s) at end of table.

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Soybeans: Acreage, yield, and production, by county, 2015-2016 ¹ (continued)

County and district	2015				2016			
	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	47,700	47,600	46.0	2,188	46,900	46,600	41.8	1,950
Lapeer	42,800	42,700	50.2	2,143	41,900	41,700	48.0	2,000
Lenawee	117,000	116,600	48.7	5,684	120,000	119,800	48.9	5,858
Livingston	18,800	18,700	47.6	891	19,100	19,100	51.9	992
Macomb	17,300	17,000	43.3	736	22,200	22,200	49.7	1,104
Monroe	63,700	62,900	46.6	2,931	80,400	80,100	52.7	4,220
Oakland	3,400	3,350	46.0	154	3,600	3,600	47.2	170
St Clair	52,800	51,800	45.9	2,376	57,700	56,900	48.8	2,778
Washtenaw	43,300	43,200	44.8	1,935	47,500	47,300	47.8	2,262
Wayne	2,200	2,150	43.7	94	3,700	3,700	30.0	111
Southeast	409,000	406,000	47.1	19,132	443,000	441,000	48.6	21,445
Other districts	31,500	30,700	35.6	1,092	32,300	30,500	35.4	1,080
Michigan	2,030,000	2,020,000	49.0	98,980	2,070,000	2,060,000	50.5	104,030

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

Sugarbeets: Acreage, yield, and production, by county, 2015-2016 ¹

County and district	2015				2016			
	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>
Gratiot	9,300	9,100	27.9	254.0	9,300	9,170	29.2	268.0
Midland	3,700	3,700	27.8	103.0	3,000	2,930	28.9	84.6
Montcalm	700	700	24.4	17.1	800	800	29.4	23.5
Other counties	1,000	900	25.4	22.9	1,500	1,500	32.6	48.9
Central	14,700	14,400	27.6	397.0	14,600	14,400	29.5	425.0
Arenac	2,700	2,600	29.2	76.0	2,500	2,500	28.0	70.0
Bay	13,500	13,500	28.0	378.0	12,800	12,700	27.3	347.0
Huron	51,000	51,000	34.0	1,734.0	51,100	50,800	31.1	1,578.0
Saginaw	16,000	16,000	30.3	485.0	15,200	14,700	30.9	454.0
Sanilac	29,600	29,600	31.5	933.0	28,500	28,200	32.6	919.0
Tuscola	18,200	18,200	34.2	622.0	19,900	19,800	31.7	628.0
East Central	131,000	130,900	32.3	4,228.0	130,000	128,700	31.0	3,996.0
Shiawassee	(D)	(D)	(D)	(D)	1,100	1,000	24.9	24.9
Other counties	(D)	(D)	(D)	(D)	1,300	1,300	29.8	38.7
South Central	(D)	(D)	(D)	(D)	2,400	2,300	27.7	63.6
Lapeer	(D)	(D)	(D)	(D)	1,000	1,000	27.5	27.5
St Clair	1,400	1,400	28.3	39.6	1,800	1,800	28.9	52.1
Other counties	1,700	1,700	31.2	53.0	300	300	31.0	9.3
Southeast	3,100	3,100	29.9	92.6	3,100	3,100	28.7	88.9
Other districts	3,200	2,600	26.7	69.4	900	500	31.0	15.5
Michigan	152,000	151,000	31.7	4,787.0	151,000	149,000	30.8	4,589.0

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

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

Wheat: Acreage, yield, and production, by county, 2015-2016 ¹

County and district	2015				2016			
	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	1,800	1,750	68.6	120	5,200	4,650	53.3	248
Cheboygan					500	450	79.6	36
Montmorency					900	850	58.7	50
Ogemaw	2,600	2,600	99.6	259	4,100	4,000	79.3	317
Presque Isle					5,700	4,700	39.1	184
Other counties	6,500	6,350	71.7	455	6,100	4,650	72.5	337
Northeast	10,900	10,700	77.9	834	22,500	19,300	60.7	1,172
Lake					500	450	77.8	35
Mason	4,000	3,550	60.8	216	5,600	5,550	63.1	350
Muskegon					3,600	2,100	76.7	161
Newaygo	2,000	1,850	78.9	146	2,800	2,600	76.5	199
Oceana					2,800	2,700	60.7	164
Other counties	6,400	3,200	65.9	211				
West Central	12,400	8,600	66.6	573	15,300	13,400	67.8	909
Clare					2,300	2,250	84.4	190
Gladwin					2,600	2,400	70.0	168
Gratiot	18,000	17,500	86.6	1,515	23,600	23,400	84.7	1,982
Isabella	15,500	15,100	80.5	1,215	14,800	14,700	75.3	1,107
Mecosta	2,000	1,700	57.8	98	3,300	3,200	73.4	235
Midland	3,900	3,800	87.9	334	4,300	4,250	84.7	360
Montcalm	15,100	15,000	73.5	1,102				
Osceola	1,500	1,500	74.0	111				
Other counties	3,200	3,100	65.1	202	19,200	18,900	70.5	1,332
Central	59,200	57,700	79.3	4,577	70,100	69,100	77.8	5,374

See footnote(s) at end of table.

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Wheat: Acreage, yield, and production, by county, 2015-2016 ¹ (continued)

County and district	2015				2016			
	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	6,500	6,100	76.9	469	8,800	8,500	86.5	735
Bay	12,500	12,300	90.4	1,112	14,300	13,800	81.9	1,130
Huron	65,900	57,200	104.5	5,980	76,800	73,100	109.7	8,020
Saginaw	17,000	15,100	86.9	1,312	20,500	20,300	94.2	1,912
Sanilac	38,000	35,800	89.9	3,218	52,500	52,000	105.5	5,488
Tuscola	31,100	30,500	85.5	2,609	40,600	39,300	93.3	3,665
East Central	171,000	157,000	93.6	14,700	213,500	207,000	101.2	20,950
Allegan					6,600	6,300	66.7	420
Berrien					1,800	1,700	94.1	160
Cass	2,500	1,450	64.3	93	2,000	900	45.1	41
Kalamazoo	3,000	2,950	70.8	209				
Kent	6,600	6,150	80.0	492	8,000	7,200	80.7	581
Ottawa	4,100	3,950	70.9	280	4,200	4,100	83.2	341
Other counties	8,300	7,900	60.3	477	7,800	3,200	79.8	255
Southwest	24,500	22,400	69.2	1,551	30,400	23,400	76.8	1,798
Barry	5,500	5,200	67.5	351	6,200	6,000	84.0	504
Branch					3,200	3,200	68.8	220
Calhoun	5,600	5,500	64.4	354	5,200	5,200	69.6	362
Clinton	23,100	22,700	89.3	2,028	21,700	21,100	94.4	1,992
Eaton	14,300	13,800	69.4	958	14,300	13,800	86.3	1,191
Hillsdale	13,400	13,300	73.2	973	14,800	13,500	89.6	1,210
Ingham	13,600	13,300	84.9	1,129	14,800	14,000	93.8	1,313
Ionia	13,400	13,300	78.4	1,043	16,100	13,800	99.6	1,374
Jackson	7,600	7,500	68.1	511	7,200	6,600	86.5	571
St Joseph					5,500	2,500	81.6	204
Shiawassee	23,500	23,000	76.3	1,754	31,000	26,700	79.6	2,126
Other counties	9,000	8,700	52.5	457				
South Central	129,000	126,300	75.7	9,558	140,000	126,400	87.6	11,067
Genesee	5,800	5,750	71.8	413	7,800	7,500	79.2	594
Lapeer	8,100	8,000	88.9	711	7,700	7,100	89.0	632
Lenawee	32,000	24,300	76.5	1,860	34,500	32,500	98.0	3,185
Livingston	6,200	6,000	67.7	406	6,300	6,000	78.2	469
Macomb	1,600	1,450	69.7	101	3,300	3,200	76.6	245
Monroe	19,800	19,000	70.4	1,338	21,200	20,300	84.2	1,709
St Clair	6,500	5,950	76.3	454	11,500	11,000	85.5	940
Washtenaw	13,200	12,900	71.6	924	12,100	12,100	84.7	1,025
Other counties	1,400	1,350	62.2	84	1,600	1,200	72.5	87
Southeast	94,600	84,700	74.3	6,291	106,000	100,900	88.1	8,886
Other districts	8,400	7,600	51.4	391	12,200	10,500	54.7	574
Michigan	510,000	475,000	81.0	38,475	610,000	570,000	89.0	50,730

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

Cropland and Pasture Cash Rents 2016-2017

County and district	2016			2017		
	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)	17.00	(D)	9.10
Delta	26.00	(D)	15.00	26.50	(D)	20.00
Menominee	22.00	(D)	20.00	27.50	(D)	(D)
Other counties	17.00	(D)	16.00	19.50	(D)	19.50
Upper Peninsula	20.00	(D)	16.00	22.50	(D)	15.00
Antrim	50.00	(D)	23.00	45.00	(D)	18.00
Charlevoix	36.00	(D)	32.00	30.00	(D)	23.00
Emmet	40.00	(D)	(D)	30.00	(D)	(D)
Grand Traverse	42.00	(D)	(D)	42.50	(D)	27.00
Leelanau	52.00	(D)	(D)	45.00	(D)	(D)
Manistee	28.00	(D)	(D)	33.50	(D)	(D)
Missaukee	62.00	(D)	(D)	77.00	(D)	(D)
Wexford	41.00	(D)	(D)	38.00	(D)	(D)
Other counties	71.50	(D)	25.00	65.00	(D)	22.50
Northwest	50.00	(D)	26.00	52.00	(D)	22.00
Alcona	24.00	(D)	10.00	21.00	(D)	(D)
Alpena	32.50	(D)	18.00	32.50	(D)	(D)
Cheboygan	28.50	(D)	(D)	23.50	(D)	(D)
Iosco	36.00	(D)	19.00	33.00	(D)	(D)
Ogemaw	37.00	(D)	23.00	37.00	(D)	(D)
Presque Isle	35.50	(D)	(D)	34.00	(D)	(D)
Other counties	37.00	(D)	20.00	32.50	(D)	18.00
Northeast	33.50	(D)	19.00	32.00	(D)	18.00
Mason	(D)	(D)	(D)	(D)	(D)	26.00
Muskegon	98.00	(D)	(D)	89.00	(D)	(D)
Newaygo	58.00	(D)	(D)	70.00	(D)	(D)
Oceana	57.00	(D)	(D)	75.00	(D)	(D)
Other counties	51.50	140.00	(D)	49.00	(D)	27.50
West Central	67.00	140.00	(D)	71.00	(D)	27.00
Clare	60.00	(D)	40.00	61.00	(D)	(D)
Gladwin	105.00	(D)	33.00	100.00	(D)	(D)
Gratiot	141.00	185.00	26.00	145.00	(D)	25.50
Isabella	100.00	(D)	43.00	97.00	(D)	(D)
Mecosta	65.00	(D)	30.00	70.00	(D)	25.00
Midland	125.00	(D)	(D)	120.00	(D)	(D)
Montcalm	83.00	(D)	47.00	82.00	185.00	41.00
Osceola	55.00	(D)	30.00	65.00	(D)	(D)
Other counties	(D)	185.00	(D)	(D)	185.00	33.50
Central	109.00	185.00	37.00	106.00	185.00	32.00

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

Cropland and Pasture Cash Rents 2016-2017

County and district	2016			2017		
	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>
Bay	(D)	(D)	(D)	132.00	(D)	38.00
Huron	214.00	(D)	(D)	196.00	(D)	(D)
Saginaw	152.00	(D)	(D)	(D)	(D)	(D)
Sanilac	119.00	196.00	(D)	115.00	(D)	(D)
Tuscola	182.00	(D)	(D)	175.00	215.00	(D)
Other counties	113.00	244.00	26.00	109.00	227.00	24.50
East Central	165.00	220.00	26.00	154.00	224.00	28.00
Allegan	130.00	253.00	38.00	126.00	245.00	(D)
Berrien	128.00	220.00	(D)	115.00	(D)	(D)
Cass	115.00	297.00	(D)	113.00	290.00	(D)
Kalamazoo	100.00	270.00	40.00	110.00	250.00	(D)
Kent	115.00	185.00	35.00	114.00	(D)	(D)
Ottawa	114.00	185.00	(D)	129.00	(D)	(D)
Van Buren	119.00	198.00	(D)	118.00	(D)	(D)
Other counties	(D)	(D)	51.00	(D)	234.00	35.50
Southwest	118.00	248.00	43.00	119.00	250.00	35.50
Barry	109.00	(D)	(D)	106.00	(D)	28.00
Branch	130.00	207.00	(D)	115.00	206.00	(D)
Calhoun	105.00	200.00	(D)	105.00	(D)	(D)
Clinton	139.00	220.00	(D)	145.00	200.00	(D)
Eaton	132.00	(D)	(D)	120.00	(D)	35.00
Hillsdale	136.00	185.00	(D)	120.00	190.00	(D)
Ingham	(D)	(D)	(D)	110.00	(D)	(D)
Ionia	141.00	(D)	(D)	147.00	(D)	(D)
Jackson	86.00	(D)	21.00	80.00	(D)	(D)
St Joseph	116.00	251.00	(D)	125.00	260.00	24.00
Shiawassee	(D)	(D)	(D)	100.00	(D)	(D)
Other counties	107.00	197.00	40.50	(D)	183.00	36.00
South Central	122.00	235.00	34.00	117.00	241.00	34.50
Genesee	90.00	(D)	(D)	90.00	(D)	(D)
Lapeer	77.00	(D)	(D)	79.00	(D)	25.00
Lenawee	151.00	(D)	(D)	129.00	(D)	(D)
Livingston	(D)	(D)	(D)	(D)	(D)	33.00
Macomb	68.00	(D)	(D)	75.00	(D)	(D)
Monroe	142.00	(D)	(D)	140.00	206.00	(D)
Oakland	60.00	(D)	(D)	55.00	(D)	(D)
St Clair	72.00	(D)	(D)	71.50	(D)	(D)
Washtenaw	75.00	(D)	(D)	85.00	(D)	(D)
Other counties	71.50	200.00	(D)	78.00	228.00	43.50
Southeast	111.00	200.00	(D)	106.00	220.00	34.00
Other Districts	(D)	105.00	25.50	(D)	147.00	(D)
Michigan	120.00	220.00	30.00	115.00	225.00	28.00

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

(D) County rates for unpublished counties are included in 'other counties' or 'other district' total.

Cattle: January 1, by county, 2016-2017

County	All cattle and calves		Milk cows		County	All cattle and calves		Milk cows	
	2016	2017	2016	2017		2016	2017	2016	2017
	<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	4,500	1,400	1,500	Manistee	2,000	1,800	(D)	(D)
Alger	2,000	2,000	400	500	Marquette	1,700	1,500	(D)	(D)
Allegan	50,000	51,000	21,500	22,000	Mason	9,700	10,000	2,700	2,800
Alpena	9,500	9,200	3,400	3,500	Mecosta	15,000	16,600	5,200	5,200
Antrim	4,300	4,500	(D)	(D)	Menominee	18,500	18,400	7,300	7,500
Arenac	7,700	8,600	3,500	3,500	Midland	7,200	7,500	(D)	(D)
Baraga	(D)	(D)			Missaukee	31,500	32,500	16,500	17,000
Barry	30,000	32,000	15,200	15,500	Monroe	3,700	3,800	600	700
Bay	5,300	5,300	1,800	1,800	Montcalm	27,000	27,500	11,000	11,200
Benzie	1,100	1,100			Montmorency	2,500	2,200	600	700
					Muskegon	15,000	14,000	6,900	6,500
Berrien	4,400	4,500	1,200	1,200					
Branch	12,400	12,500	3,800	4,000	Newaygo	26,500	28,500	14,300	14,100
Calhoun	14,100	14,100	4,600	4,800	Oakland	(D)	(D)	(D)	(D)
Cass	4,600	4,500	500	600	Oceana	8,200	8,500	3,100	3,200
Charlevoix	3,200	3,300	800	800	Ogemaw	16,500	17,000	7,000	7,300
Cheboygan	5,800	5,500	800	900	Ontonagon	2,000	1,900	(D)	(D)
Chippewa	6,600	6,600	1,000	800	Osceola	19,600	20,500	7,000	7,000
Clare	10,000	9,500	2,700	2,900	Oscoda	3,700	3,800	1,100	1,200
Clinton	53,000	62,000	29,000	31,500	Otsego	1,500	1,300	(D)	(D)
Crawford	(D)	(D)			Ottawa	41,000	42,000	14,700	15,000
Delta	7,500	7,200	1,800	1,700	Presque Isle	5,300	5,300	1,400	1,300
Dickinson	2,500	2,800	500	500	Roscommon	(D)	(D)		
Eaton	10,000	12,500	2,200	2,200	Saginaw	9,000	8,300	2,800	3,000
Emmet	4,000	3,800	400	300	Sanilac	68,000	72,000	27,000	28,000
Genesee	6,500	6,000	1,400	1,500	Schoolcraft	(D)	(D)	(D)	(D)
Gladwin	6,100	6,300	1,100	1,100	Shiawassee	17,500	18,300	6,100	6,200
Gogebic	(D)	(D)			Tuscola	21,000	22,000	6,000	7,000
Grand Traverse	3,000	3,100	200	200	Van Buren	12,000	13,000	5,700	6,000
Gratiot	48,000	53,000	16,500	20,000					
Hillsdale	27,000	27,000	12,000	12,000	Washtenaw	10,000	10,000	2,800	2,400
					Wayne	(D)	(D)		
Houghton	1,500	1,700	400	400	Wexford	3,400	3,500	900	1,000
Huron	140,000	150,000	44,000	45,500					
Ingham	15,900	16,000	6,000	5,800	Other counties	4,600	5,000	6,600	6,600
Ionia	49,000	49,500	19,200	19,500					
Iosco	8,000	7,000	2,100	2,200	Michigan	1,140,000	1,180,000	412,000	425,000
Iron	1,200	1,200							
Isabella	26,500	25,500	7,800	8,000					
Jackson	16,000	15,700	3,900	3,500					
Kalamazoo	12,000	13,000	5,800	6,000					
Kalkaska	800	800	(D)	(D)					
Kent	30,000	29,000	9,500	9,000					
Keweenaw	(D)	(D)							
Lake	2,000	2,100	(D)	(D)					
Lapeer	15,500	15,600	3,500	3,500					
Leelanau	2,200	2,100	200	200					
Lenawee	35,500	35,000	14,000	14,000					
Livingston	8,000	7,500	2,000	2,100					
Luce	(D)	(D)							
Mackinac	2,700	3,000	800	900					
Macomb	4,500	5,000	700	700					

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

Useful Agriculture Internet Sites

State and Federal Agencies

AMS-Agricultural Marketing Service	www.ams.usda.gov/AMSV1.0
APHIS-Animal and Plant Health Inspection Service	www.aphis.usda.gov
ERS-Economic Research Service	www.ers.usda.gov
FSA-Farm Service Agency	www.fsa.usda.gov
MDARD-Michigan Department of Agriculture & Rural Development	www.michigan.gov/mdard
MSU Extension	msue.anr.msu.edu
MSU College of Agriculture & Natural Resources	www.canr.msu.edu
NASS-National Agricultural Statistics Service	www.nass.usda.gov
NRCS-Natural Resources Conservation Service	www.nrcs.usda.gov
RD-Rural Development	www.rd.usda.gov
USDA-United States Department of Agriculture	www.usda.gov
USDA, NASS, Michigan Field Office	www.nass.usda.gov/mi

Commodity Groups

Apples-Michigan Apple Committee	www.michiganapples.com
Asparagus-Michigan Asparagus	www.asparagus.org
Blueberries-The Blueberry People	www.blueberries.com
Cattle-Michigan Beef Industry Commission	www.mibeef.org
Celery-Michigan Celery Promotion Co-operative, Inc.	www.michigancelery.com
Cherries-Cherry Industry Administrative Board (CIAB)	www.cherryboard.org
Cherries-Cherry Marketing Institute	www.choosecherries.com
Corn-Michigan Corn	www.micorn.org
Dairy-Michigan Milk Producers Association (MMPA)	www.mimilk.com
Dairy-United Dairy Industry of MI	www.milkmeansmore.org
Dry Beans-Michigan Bean Commission	www.michiganbean.org
Dry Beans-Michigan Agri-Business Association (MABA)	www.miagbiz.org
Equine-Michigan Equine Partnership	www.miequine.com
Floriculture-Michigan Floral Association	www.michiganfloral.org
Floriculture-Michigan Floriculture Growers Council	www.mifgc.org
Grapes-Michigan Grape and Wine Industry Council	www.michiganwines.com
Horses-Michigan Horse Council	www.michiganhorsecouncil.com
Nursery-Michigan Nursery & Landscape Association (MNLA)	www.mnla.org
Peaches-Michigan Peach Sponsors	www.michiganpeach.org
Pork-National Pork Producers Council (NPPC)	www.nppc.org
Potatoes-Michigan Potato Industry Commission	www.mipotato.com
Soybeans-Michigan Soybean Promotion Committee (MSPC)	www.michigansoybean.org
Turfgrass-Michigan Turfgrass Foundation (MTF)	www.michiganturfgrass.org
Turkeys-Michigan Turkey Producers Co-op	www.miturkey.com

Other Related Sites

American Farm Bureau Federation	www.fb.org
GreenStone Farm Credit Services	www.greenstonefcs.com
Michigan Agritourism Association	www.michiganfarmfun.com
Michigan Food and Farming Systems-MIFFS	www.miffs.org
Michigan Market Maker	http://mi.foodmarketmaker.com
MSU Agricultural Weather Office	www.agweather.geo.msu.edu

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, 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

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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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.



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United States Department of Agriculture

USDA, NASS, Great Lakes Region, Michigan Field Office
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