

**Rank in U.S. agriculture by selected commodities, 2020**

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
<b>1</b>	Beans, dry, black	Cwt	3,035	45.3	Michigan
	Beans, dry, cranberry	Cwt	44	34.1	Michigan
	Cherries, tart	Pounds	69,300	49.7	Michigan
	Geraniums, cuttings	Dollars	23,238	20.2	Michigan
	Begonias	Dollars	21,277	23.1	Michigan
	Impatiens, other	Dollars	15,040	19.6	Michigan
	New Guinea Impatiens	Dollars	7,001	19.2	Michigan
	Petunias	Dollars	36,602	22.9	Michigan
	Asparagus	Cwt	266	40.0	Michigan
	Easter lilies	Pots	950	20.0	Michigan
	Spring flowering bulbs	Pots	7,573	40.0	Michigan
	Cucumbers	Cwt	4,511	35.4	Michigan
	Beans dry, navy	Cwt	2,063	45.8	Michigan
	Squash	Cwt	1,738	25.1	Michigan
	Beans, dry, small red	Cwt	489	50.1	Michigan
<b>2</b>	Beans, dry, all	Cwt	6,033	18.3	North Dakota
	Marigolds	Dollars	7,250	14.3	California
	Hostas	Pots	1,333	14.5	New Jersey
	Hardy Chrysanthemums	Pots	7,495	15.1	North Carolina
<b>3</b>	Snap beans	Cwt	1,700	11.5	Wisconsin
	Apples	Pounds	927,000	9.0	Washington
	Alfalfa haylage and greenchop	Tons	2,075	11.1	Wisconsin
<b>4</b>	Beans, dry, light red kidney	Cwt	147	11.2	Minnesota
	Pansies/Violas	Dollars	9,168	9.1	Texas
	Sugarbeets	Tons	4,358	13.0	Minnesota
<b>5</b>	Blueberries	Pounds	73,800	11.4	Washington
<b>6</b>	Maple syrup	Gallons	170	4.1	Vermont
	Cabbage	Cwt	1,520	6.4	California
	Pumpkins	Cwt	864	6.3	Illinois
	Bell peppers	Cwt	437	3.7	California
	Milk	Pounds	11,683,000	5.2	California
<b>7</b>	Eggs	Eggs	4,331,000	3.9	Iowa
	Peaches	Tons	6.0	1.0	California
	Potatoes	Cwt	17,860	4.3	Idaho
<b>8</b>	Honey	Pounds	4,465	3.0	North Dakota
	Corn Silage	Tons	6,125	4.4	Wisconsin
<b>10</b>	Milk goats, January 1, 2021	Head	13	3.0	Wisconsin
<b>11</b>	Corn for grain	Bushels	306,460	2.2	Iowa
	Oats	Bushels	150	2.5	North Dakota
	Turkeys, raised	Head	5,400	2.4	Minnesota
<b>13</b>	Wheat, winter	Bushels	33,750	2.9	Kansas
	Hogs, Dec. 1, 2020	Head	1,300	1.7	Iowa
	Soybeans	Bushels	102,930	2.5	Illinois
<b>16</b>	Sheep, January 1, 2021	Head	87	1.7	Texas
<b>17</b>	Hay, alfalfa	Tons	1,540	2.9	Idaho
<b>18</b>	Cash receipts	Dollars	7,566,763	2.1	California
<b>27</b>	Cattle, January 1, 2021	Head	1,140	1.2	Texas

# Farm Economics

**Number of farms and land in farms by economic sales class, 2016-2020 <sup>1</sup>**

Year	Economic sales class					Total	Average size of farm
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000+		
	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	
2016	25.50	14.60	4.20	2.90	4.20	51.40	
2017	24.50	14.20	3.35	2.20	3.35	47.60	
2018	24.00	14.40	3.15	2.20	3.25	47.00	
2019	24.50	14.00	3.20	2.15	3.15	47.00	
2020	24.20	14.00	3.10	2.10	3.10	46.50	
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Acres</i>
2016	1.10	1.60	1.10	1.20	4.95	9.95	194
2017	1.20	1.70	1.10	1.30	4.50	9.80	206
2018	1.20	1.70	1.20	1.20	4.50	9.80	209
2019	1.25	1.60	1.30	1.30	4.35	9.80	209
2020	1.20	1.60	1.30	1.30	4.40	9.80	211

<sup>1</sup> USDA estimates of farm numbers 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, 2017-2021**

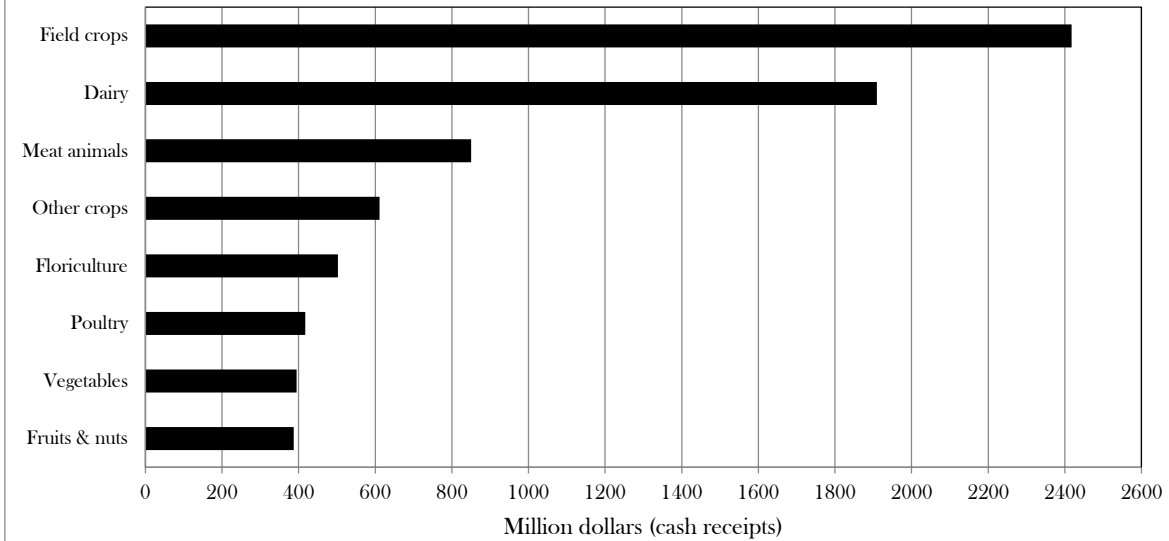
Year	Farm real estate average value per acre	Cropland		Pasture
		Average value per acre	Average cash rent per acre	Average value per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2017	4,940	4,580	123	2,620
2018	4,960	4,510	123	2,600
2019	4,960	4,500	127	2,590
2020	4,950	4,480	128	2,600
2021	5,300	4,700	138	2,740

**Government payments, 2016-2020 <sup>1</sup>**

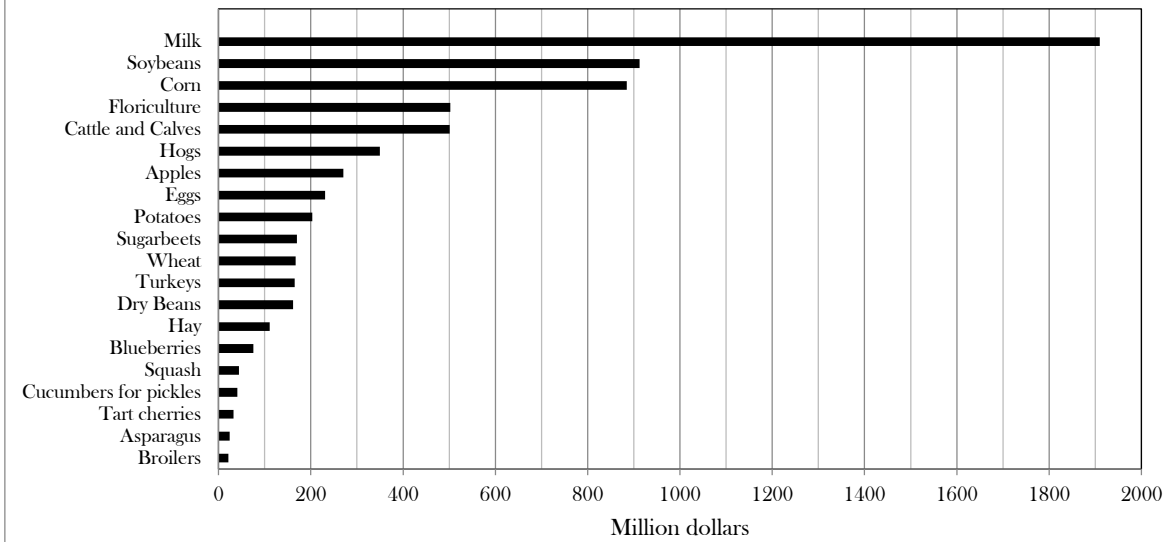
Program	2016	2017	2018	2019	2020
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Market Facilitation program			110,829	278,320	68,383
Conservation programs	34,269	38,564	39,223	44,216	39,606
BMAC-Biomass crop assistance	81	30	0	0	0
Direct payments	-230	122	26	-8	-2
Loan deficiency payments	1	0	0	0	29
Miscellaneous programs	0	195	147	207	125
Ad Hoc and emergency programs	5,016	2,373	1,449	31,303	748,128
Milk income loss payments	4	-2	0	0	0
ACRE	0	0	-1	0	0
ARC-Agricultural Risk Coverage	152,873	149,528	60,448	13,363	43,412
PLC-Price Loss Coverage	3,180	9,764	6,740	2,754	43,937
Dairy Margin Coverage Program	213	0	13,397	14,610	7,343
Total	195,406	200,576	232,258	384,764	950,960

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

### Major Michigan Commodity Groups, 2020



### Top 20 Commodities in Cash Receipts, 2020



**Value added to the economy by the Michigan agricultural sector 2016-2020 <sup>1</sup>**

Item <sup>2</sup>	2016	2017	2018	2019	2020
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Value of crop production	4,317.8	4,028.6	4,123.2	3,685.7	4,519.8
Food grains	198.1	167.7	189.1	190.6	175.3
Feed crops	1,156.8	1,071.0	1,062.0	1,076.5	998.5
Oil crops	1,027.5	919.2	834.1	723.1	912.2
Fruits and tree nuts	566.3	479.4	405.9	392.8	387.2
Vegetables, potatoes, dry beans	567.8	599.0	593.1	511.8	556.1
All other crops	1,018.0	999.9	1,101.1	1,203.5	1,203.5
Home consumption	3.5	4.4	2.6	2.3	2.7
Value of inventory adjustment <sup>3</sup>	-220.2	-211.9	-70.2	-412.9	203.5
Value of livestock production	2,971.2	3,231.5	3,114.1	3,294.7	3,265.6
Meat animals	834.1	948.6	863.0	893.5	850.6
Dairy products	1,637.1	1,836.1	1,659.1	1,963.4	1,909.8
Poultry and eggs	365.2	382.4	504.9	359.4	417.2
Miscellaneous livestock	68.9	75.9	75.0	76.2	75.6
Home consumption	7.5	6.4	8.9	7.8	17.1
Value of inventory adjustment <sup>3</sup>	58.3	-17.8	3.1	-5.6	-4.6
Farm related income	930.3	891.3	975.4	1,183.1	1,086.1
Forest products sold	23.0	17.9	11.9	12.2	10.7
Machine hire and custom work	101.3	85.3	188.2	162.3	100.3
Other farm income	383.3	350.7	369.1	575.0	551.5
Gross imputed rental value-farm dwellings	422.7	437.4	406.1	433.7	423.5
Value of agricultural sector production	8,219.2	8,151.4	8,212.6	8,163.5	8,871.5
<b>less:</b> Purchased inputs	5,078.6	4,693.5	4,616.5	4,905.2	4,855.5
Farm origin	2,173.1	1,927.1	1,733.2	2,005.6	2,063.0
Feed purchased	1,284.4	1,177.0	965.1	1,280.6	1,228.8
Livestock and poultry purchased	120.0	164.0	123.8	156.8	167.5
Seed purchased	768.7	586.2	644.3	568.3	666.7
Manufactured inputs	1,308.3	1,251.2	1,402.8	1,331.8	1,246.5
Fertilizers and lime	573.2	512.1	565.6	534.4	525.5
Pesticides	328.0	327.3	349.7	318.3	313.8
Petroleum fuel and oils	285.8	293.3	340.3	320.1	283.2
Electricity	121.3	118.5	147.2	159.0	124.0
Other intermediate expenses	1,597.2	1,515.2	1,480.5	1,567.8	1,546.0
Repair and maintenance of capital items	426.7	467.0	426.3	461.2	461.2
Machine hire and custom work	95.7	106.8	64.7	138.8	132.2
Marketing, storage, and transp. expenses	202.7	229.8	224.7	205.0	189.3
Miscellaneous expenses	872.1	711.7	764.8	762.8	696.9
<b>less:</b> Contract labor	32.2	107.0	73.7	82.6	89.4
<b>plus:</b> Net government transactions	-187.8	-126.3	-105.9	47.7	633.0
Direct Government payments	195.4	200.6	232.3	384.8	951.0
Property taxes and fees	383.2	326.9	338.2	337.1	317.9
Gross value added	2,920.7	3,224.6	3,416.5	3,223.3	4,559.6
<b>less:</b> Capital consumption	1,022.4	894.0	763.0	713.2	713.7
Net value added	1,898.2	2,330.6	2,653.5	2,510.1	3,846.0
<b>less:</b> Payments to stakeholders	1,823.4	1,498.7	1,784.0	1,774.3	1,733.9
Employee compensation (total hired labor)	1,067.9	672.6	939.4	942.1	819.2
Net rent paid to landlords	336.3	378.1	346.9	333.5	458.1
Real estate and nonreal estate interest	419.2	447.7	497.7	498.1	456.6
<b>Net farm income</b>	<b>74.8</b>	<b>832.1</b>	<b>869.5</b>	<b>735.7</b>	<b>2,112.1</b>

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

<sup>2</sup> Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operator's share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

<sup>3</sup> A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales.

**Cash receipts by commodity groups and selected commodities 2016-2020 <sup>1</sup>**

Item	2016	2017	2018	2019	2020
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
<b>Total cash receipts</b>	7,439,865	7,479,166	7,292,898	7,388,829	7,566,763
<b>Total livestock and products</b>	2,905,413	3,242,976	3,102,032	3,292,564	3,253,174
Cattle and calves	529,060	575,344	539,586	533,480	500,656
Hogs	305,088	373,227	323,414	360,052	349,944
Dairy (milk)	1,637,142	1,836,144	1,659,115	1,963,377	1,909,780
Eggs	163,234	220,431	364,078	196,213	230,751
Turkeys	178,862	133,102	111,119	137,258	164,800
Other	92,027	104,728	104,720	102,184	97,243
<b>Total crops</b>	4,534,452	4,236,190	4,190,866	4,096,265	4,313,589
Field crops	2,684,125	2,407,151	2,365,797	2,256,254	2,417,616
Corn	1,042,656	965,582	966,945	971,963	884,672
Dry beans	110,288	109,349	138,208	116,861	161,459
Hay	112,908	103,539	92,689	102,325	110,703
Soybeans	1,027,505	919,174	834,059	723,088	912,252
Sugarbeets	191,444	139,891	142,414	149,165	170,123
Wheat	193,167	161,762	181,747	182,586	167,013
Other	6,157	7,854	9,735	10,266	11,394
Vegetables	457,479	489,675	454,916	394,960	394,684
Asparagus	22,801	26,136	23,275	25,875	23,856
Cabbage	16,102	27,221	9,610	11,569	11,066
Carrots	13,587	11,237	14,456	NA	NA
Celery	15,966	16,636	19,471	NA	NA
Corn, sweet (fresh)	21,818	20,930	19,256	NA	NA
Cucumbers, fresh	27,532	23,890	22,491	25,165	11,007
Cucumbers, processing	41,614	55,849	32,927	45,395	40,782
Peppers, bell	16,354	15,318	18,220	19,674	14,345
Potatoes	170,044	179,421	186,319	184,937	203,462
Pumpkins	11,909	8,314	14,947	12,909	14,440
Snap beans, fresh	15,244	10,145	8,548	14,230	19,133
Snap beans, processing	17,019	15,753	12,972	11,381	12,137
Squash	33,570	42,838	37,072	43,825	44,456
Tomatoes, fresh	18,747	22,282	23,513	NA	NA
Tomatoes, processing	15,172	13,705	11,839	NA	NA
Fruits and nuts	566,297	479,378	405,908	392,835	387,228
Apples	325,195	272,310	285,104	289,730	270,238
Blueberries	130,350	116,400	70,226	75,258	75,356
Grapes	29,127	24,075	NA	NA	NA
Peaches	9,650	10,810	12,642	5,313	8,922
Sweet cherries	18,185	16,090	NA	NA	NA
Tart cherries	53,790	39,693	37,936	22,534	32,712
All other crops	826,551	859,986	964,245	1,052,216	1,114,061
Floriculture	434,967	460,857	486,746	439,500	502,558
Miscellaneous crops <sup>2</sup>	391,584	399,129	477,499	612,716	611,503

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

<sup>2</sup> Includes field crops, fruits, vegetables, and specialty crops not listed above.

NA Not available; an estimate is included in miscellaneous other crops.

### Corn production costs and returns, 2019-2020

Item	United States		Northern Crescent <sup>1</sup>	
	2019	2020	2019	2020
	<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	664.94	644.72	667.17	637.45
Operating costs				
Seed	93.48	91.83	95.14	93.08
Fertilizer <sup>2</sup>	115.86	119.06	126.50	128.48
Chemicals	34.01	32.75	31.67	30.27
Custom operations	22.74	22.95	29.62	29.33
Fuel, lube, and electricity	32.41	31.43	30.64	29.75
Repairs	35.13	35.55	30.13	30.62
Purchased irrigation water	0.29	0.28	0.00	0.00
Interest on operating capital	3.46	0.70	3.56	0.72
Total, operating costs	337.38	334.55	347.26	342.25
Allocated overhead				
Hired labor	5.25	5.21	4.37	4.48
Opportunity cost of unpaid labor	29.68	30.34	38.38	38.69
Capital recovery-machinery & equipment	127.40	126.85	112.50	112.24
Opportunity cost of land (rental rate)	159.40	161.78	125.33	126.73
Taxes and insurance	11.98	12.03	13.70	13.88
General farm overhead	19.26	19.62	28.21	28.37
Total, allocated overhead	352.97	355.83	322.49	324.39
Total, costs listed	690.35	690.38	669.75	666.64
Value of production less total costs listed	-25.41	-45.66	-2.58	-29.19
Value of production less operating costs	327.56	310.17	319.91	295.20
Supporting information				
Yield (bushels per planted acre)	173	178	166	167
Price (dollars per bushel at harvest)	3.83	3.61	3.96	3.64
Enterprise size (planted acres) <sup>3</sup>	278	278	142	142
Production practices <sup>3</sup>				
Irrigated (percent)	12	12	2	2
Dryland (percent)	88	88	98	98

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

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

<sup>3</sup> Developed from survey base year, 2016.

**Soybean production costs and returns, 2019-2020**

Item	United States		Northern Crescent <sup>1</sup>	
	2019	2020	2019	2020
	<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	429.34	515.40	399.94	506.23
Operating costs				
Seed	60.92	59.51	62.96	61.67
Fertilizer <sup>2</sup>	31.27	31.92	37.34	38.45
Chemicals	37.38	35.77	30.37	28.84
Custom operations	12.74	12.67	16.27	16.23
Fuel, lube, and electricity	16.00	15.65	15.67	15.30
Repairs	28.69	29.20	25.45	25.92
Purchased irrigation water	0.01	0.01	0.00	0.00
Interest on operating capital	1.94	0.39	1.95	0.39
Total, operating costs	188.95	185.12	190.01	186.80
Allocated overhead				
Hired labor	4.84	4.96	1.95	1.99
Opportunity cost of unpaid labor	17.14	17.43	20.85	21.17
Capital recovery-machinery & equipment	110.68	110.56	97.12	96.97
Opportunity cost of land (rental rate)	151.81	151.45	133.35	133.87
Taxes and insurance	11.98	12.17	13.08	13.27
General farm overhead	18.33	18.69	26.44	27.09
Total, allocated overhead	314.78	315.26	292.79	294.36
Total, costs listed	503.73	500.38	482.80	481.16
Value of production less total costs listed	-74.39	15.02	-82.86	25.07
Value of production less operating costs	240.39	330.28	209.93	319.43
Supporting information				
Yield (bushels per planted acre)	50	53	46	52
Price (dollars per bushel at harvest)	8.61	9.67	8.64	9.69
Enterprise size (planted acres) <sup>3</sup>	314	314	157	157
Production practices <sup>3</sup>				
Irrigated (percent)	10	10	3	3
Dryland (percent)	90	90	97	97

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

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

<sup>3</sup> Developed from survey base year, 2018.

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

Commodity	2016	2017	2018	2019	2020
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Feed, grains	58.4	56.8	59.1	63.0	60.6
Feed, complete	110.1	102.6	105.4	107.4	106.2
Feed, concentrates	117.9	100.9	110.2	113.7	114.5
Feed, forage	86.9	90.0	103.0	109.9	102.6
Nitrogen	71.6	66.5	66.5	71.4	69.2
Potash & Phosphate	70.5	64.4	62.9	63.0	62.5
Fungicides	98.7	95.1	95.7	99.5	98.8
Herbicides	109.7	106.4	101.7	101.8	99.4
Insecticides	107.7	103.1	100.9	99.2	93.4
Seeds & Plants	121.4	119.9	118.5	116.0	113.4
Cows, milk replacement	124.7	114.3	95.6	84.9	91.6
Feeder cattle	104.7	106.5	108.1	102.9	100.4
Feeder pigs	90.2	100.9	94.5	107.1	65.8
Fuels, diesel	51.8	57.6	67.4	71.5	56.4
Fuels, gasoline	59.0	64.5	70.9	75.1	60.6
Fuels, LP gas	65.4	82.4	84.8	79.7	85.4
Machinery, self propelled	118.7	120.6	123.9	127.9	125.0
Tractors	111.1	112.6	110.9	110.3	111.7
Trucks & Autos	106.0	106.0	105.5	105.8	106.5
Building materials	107.6	110.4	116.1	118.1	120.8
Supplies & Repairs	106.0	107.9	111.6	114.7	116.5
Labor	115.9	119.1	126.3	133.2	136.7
Custom Rates	111.6	114.3	113.3	118.4	119.6
Interest	103.9	108.8	114.7	115.1	100.9
Rent	123.8	123.8	119.5	116.3	117.6
Taxes	110.7	115.5	117.1	117.9	118.7

## Farm Labor

**Hired farm workers: Annual average wage rates, 2016-2020 <sup>1</sup>**

Year	All hired workers	Field workers	Field and livestock workers
	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>
2016	13.30	13.17	12.75
2017	13.79	13.02	13.06
2018	14.16	13.64	13.54
2019	15.04	14.88	14.40
2020	15.44	15.07	14.72

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



# Agricultural Exports

Michigan agricultural exports by commodity and year <sup>1</sup>

Commodity	2018	2019	2020
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Prepared foods	269,238	215,903	235,844
Dairy Products	107,228	145,937	232,370
Soybeans	178,534	140,302	183,872
Forest Products	185,189	171,134	158,505
Bakery goods, cereals, & pasta	161,255	154,147	155,436
Soybean meal	27,651	28,222	151,367
Dextrins, peptones, & proteins	100,994	102,126	93,538
Beef & beef products	104,167	76,509	86,683
Distillers grains	72,535	75,171	86,036
Pulses	68,789	67,396	82,098
Processed fruit	87,200	72,840	78,402
Fresh vegetables	111,411	76,278	78,054
Essential oils	73,791	66,294	65,490
Pork & pork products	31,363	40,574	58,374
Planting seeds	51,007	39,562	57,420
Meat products, unspecified & other	59,710	53,103	55,252
Non-alcoholic beverages <sup>2</sup>	15,698	27,787	45,661
Hides and skins	48,470	43,496	38,106
Corn	33,351	25,753	36,801
Chocolate & cocoa products	35,412	33,029	35,255
Processed vegetables	41,153	40,774	33,751
Condiments & sauces	25,585	32,867	22,650
Fresh fruit	22,543	23,491	22,128
Coffee, roasted & extracts	16,950	21,598	19,522
Other	153,082	150,259	137,694
Total	2,082,306	1,924,552	2,250,309

<sup>1</sup> Source: U.S. Department of Agriculture, Foreign Agricultural Service

<sup>2</sup> Excludes juices, coffee, & tea.

Michigan agricultural exports: Top 10 destinations, 2019-2020 <sup>1</sup>

Country	2019	2020
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Canada	805,869	965,716
Mexico	217,010	270,959
South Korea	110,108	190,630
Japan	127,427	124,471
China	96,701	124,140
Thailand	104,031	107,179
Indonesia	66,379	53,463
Taiwan	47,369	44,441
Netherlands	40,261	33,738
Vietnam	20,483	25,679
Others	288,914	309,893
Total	1,924,552	2,250,309

<sup>1</sup> Source: U.S. Department of Agriculture, Foreign Agricultural Service

# Field Crops

## Field crops: Acres harvested and value of production, 2016-2020

Item	Unit	2016	2017	2018	2019	2020
Acres harvested	1,000 acres	6,314	6,246	6,264	5,347	6,257
Value of production	1,000 dollars	3,074,109	2,889,074	2,953,099	2,468,524	3,619,848

## Grain storage capacity, December 1, 2016-2020

Year	Off farm		On farm capacity
	Facilities	Rated capacity	
	<i>Number</i>	<i>Million bushels</i>	<i>Million bushels</i>
2016	191	225	300
2017	191	230	300
2018	187	230	300
2019	184	235	300
2020	182	235	300

**Field crops: Record highs and lows**

Crop	Unit	Record high	Record low		Year estimates Year
		Quantity	Year	Quantity	
Barley					
Harvested acres	8,000	2019,2020	6	2011,2015	1866
Yield per acre	68.0	1985	13.5	1933	
Production	8,400	1918	215	2018	
Dry Edible beans					
Harvested acres	690	1930	130	2001	1909
Yield per acre	2,400	2018	396	1916	
Production	8,585	1963	780	2001	
Corn for grain					
Harvested acres	2,800	1981	480	1866	1866
Yield per acre	162.0	2015	21.5	1917	
Production	355,810	2014	15,120	1869	
Corn for silage					
Harvested acres	498	1971	210	2003	1919
Yield per acre	20.5	2014	4.7	1930	
Production	6,630	2016	1,542	1930	
Hay, alfalfa					
Harvested acres	1,444	1950	74	1919	1919
Yield per acre	4.2	1993	1.1	1934	
Production	5,040	1985,1986	118	1919	
Hay, all					
Harvested acres	2,947	1924	780	1866,2019,2020	1909
Yield per acre	3.8	1993	0.6	1895	
Production	5,743	1986	1,014	1866	
Oats					
Harvested acres	1,658	1918	25	2011,2019	1866
Yield per acre	70.0	2003	18.5	1921	
Production	69,388	1946	1,425	2019	
Potatoes					
Harvested acres	374.0	1895	36.4	1975	1866
Yield per acre	420.0	2019	26.0	1887,1916	
Production	23,256	1904	3,557	1876	
Soybeans					
Harvested acres	2,310	2018	1	1930	1924
Yield per acre	50.5	2016	8.0	1927	
Production	109,725	2018	10	1930	
Sugarbeets					
Harvested acres	190	1999	48	1943,1953	1909
Yield per acre	31.7	2015	5.5	1916	
Production	4,787	2015	298	1943	
Wheat, winter					
Harvested acres	1,515	1953	400	1987	1909
Yield per acre	89.0	2016	10.5	1912	
Production	50,730	2016	7,350	1912	

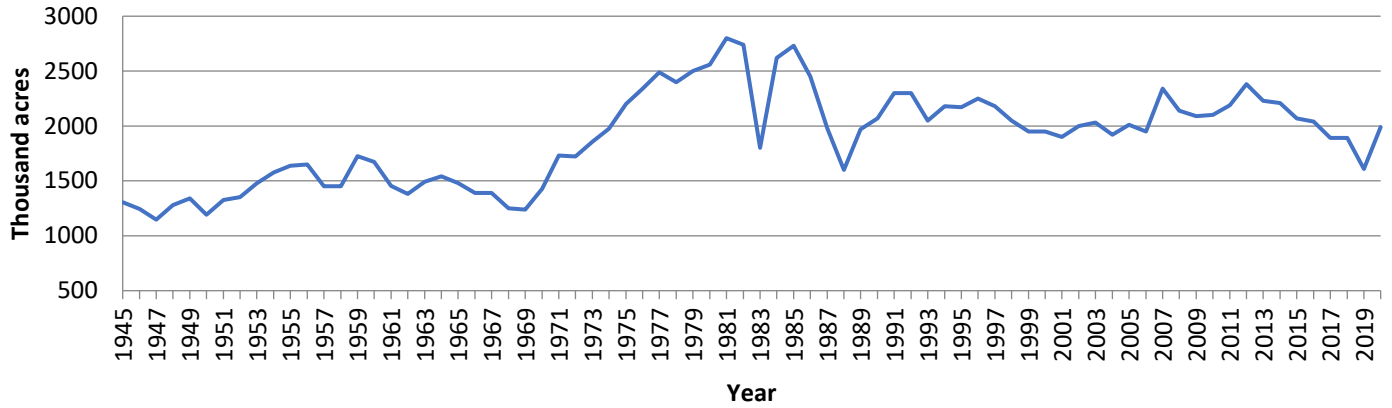
# Corn

**Corn: Acres, yield, production, and value, 2016-2020**

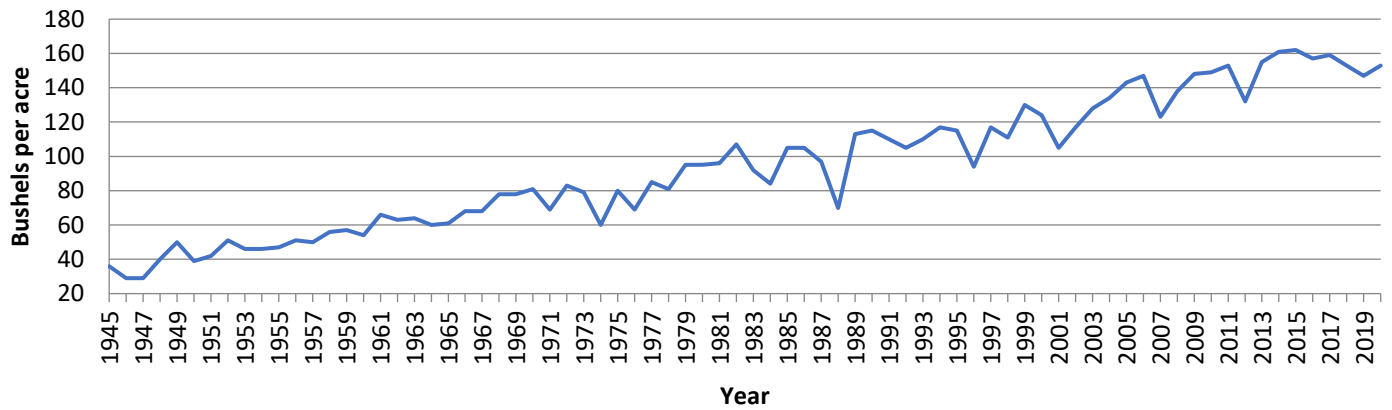
Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2016	2,400					
2017	2,250					
2018	2,250					
2019	2,000					
2020	2,350					
Grain						
2016		2,040	157	320,280	3.44	1,101,763
2017		1,890	159	300,510	3.46	1,039,765
2018		1,890	153	289,170	3.72	1,075,712
2019		1,610	147	236,670	3.73	882,779
2020		1,990	153	304,470	4.72	1,363,747
Silage	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>		
2016		340	19.5	6,630		
2017		340	18.5	6,290		
2018		340	17.5	5,950		
2019		340	18.5	6,290		
2020		350	17.5	6,125		

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

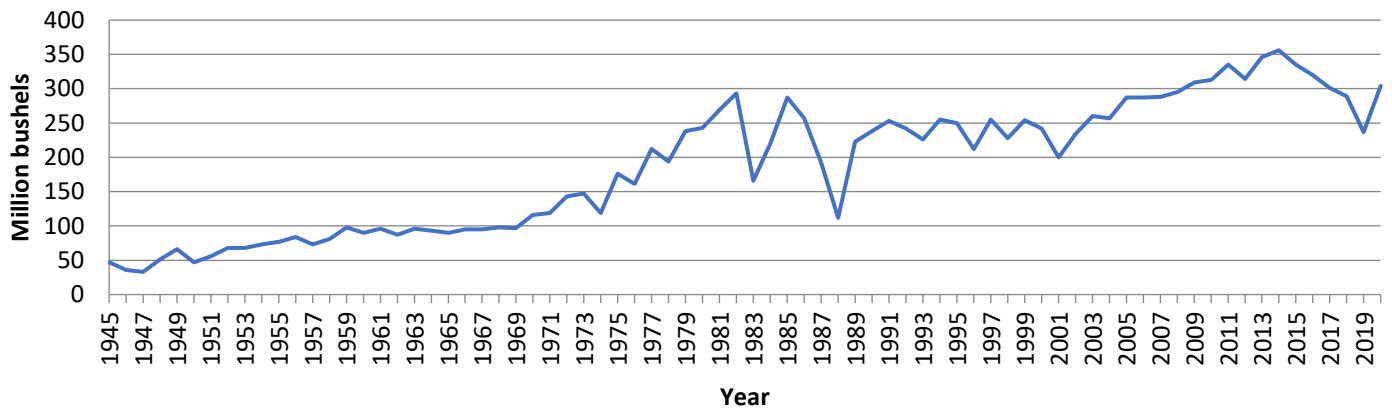
### Corn for grain acres, 1945-2020



### Corn yield, 1945-2020



### Corn production, 1945-2020



**Corn for grain: Stocks by quarter, 2016-2020**

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>
2016	170,000	84,631	95,000	70,458	50,000	51,517	18,500	30,429
2017	155,000	81,431	86,000	67,593	51,000	50,711	16,000	29,454
2018	165,000	71,493	110,000	65,669	56,000	42,213	19,000	21,999
2019	145,000	51,043	75,000	57,686	58,000	41,264	17,500	18,339
2020	180,000	75,331	91,000	65,332	34,000	46,892	8,800	15,454

**Corn: Percentage of acreage planted, 2016-2020**

Year	Month and day					
	April		May			June
	20	30	10	20	30	10
2016	1	7	23	56	88	98
2017	1	5	19	62	85	95
2018	0	4	25	50	71	89
2019	0	2	4	21	38	66
2020	1	7	37	65	81	94
5-year-average	1	5	21	51	73	88

**Corn: Percentage of acreage silked, 2016-2020**

Year	Month and day					
	July			August		
	1	10	20	30	10	20
2016	1	3	36	77	92	98
2017	0	4	30	71	89	95
2018	2	11	40	70	87	97
2019	0	0	5	27	62	83
2020	1	3	33	77	96	100
5-year-average	1	4	29	64	85	95

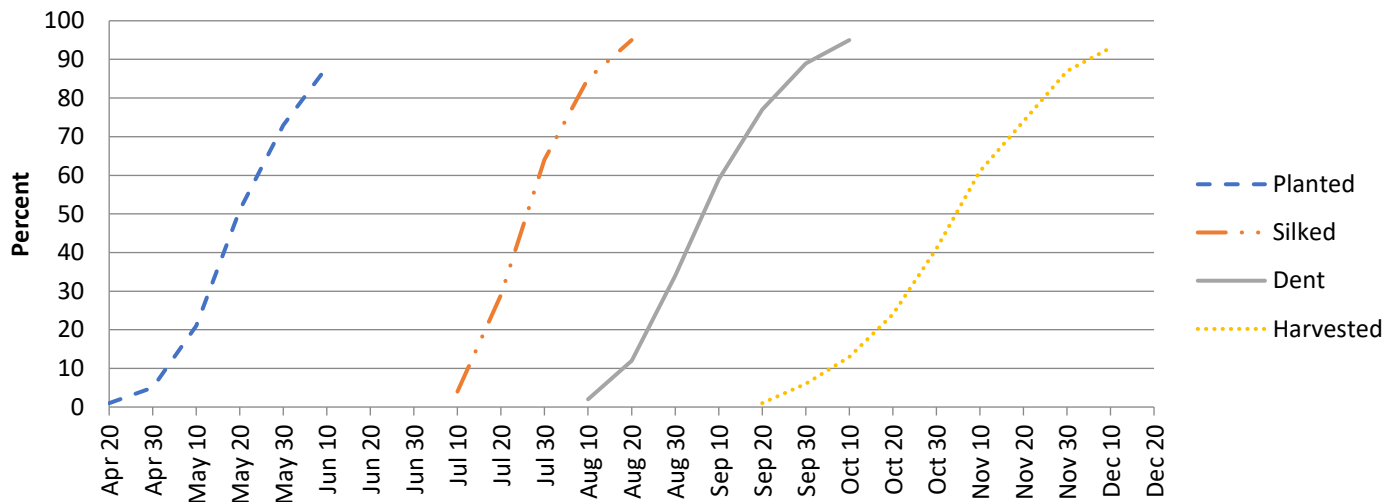
**Corn: Percentage of acreage dent stage, 2016-2020**

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
2016	1	13	39	63	82	93	98
2017	1	11	32	63	78	88	94
2018	5	17	44	69	84	95	100
2019	0	3	13	30	50	73	85
2020	2	17	40	72	91	98	100
5-year-average	2	12	34	59	77	89	95

**Corn: Percentage of acreage harvested for grain, 2016-2020**

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
2016	0	0	5	12	22	40	63	83	92	99
2017	0	3	7	14	30	46	66	77	92	95
2018	0	3	10	18	29	49	66	76	91	96
2019	0	0	2	6	14	23	33	46	65	76
2020	0	1	5	15	27	48	79	89	96	99
5-year-average	0	1	6	13	24	41	61	74	87	93

## Corn progress Five-year average, 2016-2020



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

Months	2017		2018		2019		2020	
	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	3.28	11	3.50	10	3.98	5	3.67	12
November	3.24	14	3.34	15	3.87	17	3.76	16
December	3.27	10	3.46	11	3.85	14	4.08	10
January	3.34	13	3.62	13	3.92	14	4.29	14
February	3.50	10	3.69	7	4.03	10	4.89	8
March	3.59	6	3.63	7	3.73	7	4.97	8
April	3.74	7	3.60	7	3.42	5	5.31	7
May	3.83	7	3.70	8	3.50	4	5.85	5
June	3.73	5	4.31	10	3.32	5	6.05	6
July	3.71	4	4.49	6	3.45	7	6.05	5
August	3.67	7	4.31	4	3.27	8	6.58	4
September	3.39	6	4.05	2	3.39	4	5.48	5
Annual	3.46		3.72		3.73		4.72	

# Dry Edible Beans

## Dry edible beans: Acres, yield, production, and value, 2016-2020

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>Dol/cwt</i>	<i>1,000 dollars</i>
2016	210	208.0	1,920	4,002	29.20	116,858
2017	220	218.5	2,010	4,394	29.30	128,744
2018	195	193.0	2,400	4,635	27.60	127,926
2019	185	180.0	2,040	3,663	31.70	109,128
2020	260	258.0	2,340	6,033	30.70	185,213

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

## Dry edible beans: Acres, yield, and production, by class, 2016-2020

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
<b>Black</b>				
2016	104,000	103,000	1,970	2,029
2017	121,000	120,400	2,040	2,456
2018	100,000	99,000	2,440	2,416
2019	95,000	93,000	2,080	1,934
2020	128,000	127,000	2,390	3,035
<b>Cranberry</b>				
2016	2,600	2,600	1,580	41
2017	3,800	3,700	1,580	58
2018	3,900	3,900	1,560	61
2019	2,700	2,500	1,640	41
2020	2,400	2,400	1,840	44
<b>Navy</b>				
2016	67,000	66,300	1,970	1,306
2017	74,000	73,900	2,110	1,559
2018	60,000	59,200	2,600	1,539
2019	55,000	54,400	2,150	1,170
2020	87,000	86,300	2,390	2,063
<b>Red kidney, dark</b>				
2016	2,900	2,800	1,070	30
2017	(D)	(D)	(D)	(D)
2018	2,700	2,700	1,420	38
2019	3,000	2,700	1,050	28
2020	3,000	2,900	1,160	34
<b>Red kidney, light</b>				
2016	8,600	8,500	1,760	150
2017	6,200	6,000	1,490	89
2018	6,100	6,100	1,620	99
2019	7,000	5,900	1,650	97
2020	7,500	7,500	1,960	147
<b>Small, red</b>				
2016	19,100	19,000	1,830	348
2017	5,500	5,300	1,700	90
2018	13,300	13,100	2,500	328
2019	11,000	10,800	2,160	233
2020	21,000	20,800	2,350	489
<b>Other</b>				
2016	5,800	5,800	1,690	98
2017	3,700	3,700	1,430	53
2018	5,200	5,200	1,600	83
2019	5,800	5,500	1,340	74
2020	5,500	5,500	1,870	103

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

<sup>1</sup> 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	2017		2018		2019		2020	
	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	30.50	23	(D)	10	27.00	9	37.80	10
October	28.50	15	28.50	18	28.10	26	29.50	29
November	28.50	14	25.80	31	32.00	15	27.80	17
December	29.40	5	29.30	6	32.20	15	33.20	6
January	32.40	4	30.30	4	35.10	5	34.10	5
February	29.50	2	30.00	2	37.60	7	39.40	2
March	29.30	5	(D)	3	37.40	5	37.70	2
April	(D)	5	(D)	1	(D)	4	39.20	3
May	30.90	2	30.90	2	(D)	11	44.90	2
June	32.00	1	(D)	1	34.00	1	39.00	1
July	32.00	2	30.20	1	35.70	1	45.80	1
August	(D)	22	(D)	21	(D)	1	(D)	22
Annual	29.30		27.60		31.70		32.20	

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

# Hay and Haylage

## Hay, haylage, and greenchop: Acres, yield, production, and value, 2016-2020

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All dry hay						
2016		870	2.71	2,357	133.00	323,067
2017		870	2.29	1,989	145.00	296,985
2018		810	2.24	1,812	147.00	271,980
2019		780	2.38	1,858	160.00	313,375
2020		780	2.56	2,000	166.00	337,300
Alfalfa hay						
2016		640	3.00	1,920	143.00	274,560
2017		610	2.60	1,586	156.00	247,416
2018		590	2.40	1,416	156.00	220,896
2019		550	2.50	1,375	184.00	253,000
2020		550	2.80	1,540	179.00	275,660
Alfalfa seedings						
2016	80					
2017	80					
2018	100					
2019	100					
2020	100					
Other hay						
2016		230	1.90	437	111.00	48,507
2017		260	1.55	403	123.00	49,569
2018		220	1.80	396	129.00	51,084
2019		230	2.10	483	125.00	60,375
2020		230	2.00	460	134.00	61,640
All haylage and greenchop						
2016		285	8.24	2,348		
2017		275	7.48	2,057		
2018		285	6.51	1,856		
2019		290	7.68	2,227		
2020		280	8.04	2,262		
Alfalfa haylage and greenchop						
2016		250	8.90	2,225		
2017		240	7.90	1,896		
2018		260	6.80	1,768		
2019		260	8.00	2,080		
2020		250	8.30	2,075		

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

## Hay: Stocks on farms, 2017-2021

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2017	375	1,000
2018	260	900
2019	180	930
2020	220	900
2021	190	( <sup>1</sup> )

<sup>1</sup> Published in January 2022.

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

Months	2017		2018		2019		2020	
	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	155	14	130	15	195	15	170	15
July	140	15	145	15	185	16	180	15
August	125	13	150	14	175	13	180	13
September	145	10	145	10	180	11	175	10
October	165	6	155	6	190	6	180	6
November	160	6	165	6	185	6	185	6
December	180	7	175	6	190	6	190	7
January	180	7	175	7	190	7	195	7
February	175	6	170	6	185	6	200	6
March	160	7	175	7	175	7	205	7
April	200	5	185	4	170	4	205	4
May	160	4	195	4	165	4	200	4
Annual	156		156		184		185	

# Maple Syrup

**Maple syrup: Taps, yield, production, price, and value, 2017-2021**

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>
2017	600	0.250	150	51.20	7,680
2018	600	0.275	165	38.90	6,419
2019	620	0.315	195	48.60	9,477
2020	570	0.298	170	48.60	8,262
2021	550	0.273	150	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Published in June 2022.

# Oats

**Oats: Acres, yield, production, and value, 2016-2020**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2016	65	30	58	1,740	2.28	3,967
2017	55	40	54	2,160	2.91	6,286
2018	75	50	63	3,150	3.31	10,427
2019	70	25	57	1,425	3.63	5,173
2020	70	30	55	1,650	3.16	4,950

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

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

Months	2017		2018		2019		2020	
	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	3.35	2	3.29	7	3.78	25	3.01	20
August	2.54	41	2.99	43	3.24	25	2.67	22
September	2.87	7	3.43	20	3.11	15	3.23	8
October	2.98	9	3.44	5	2.76		3.07	14
November	3.22	2	3.59	3	3.68	7	3.38	6
December	3.11	6	3.41	2	(S)		2.78	6
January	3.14	10	3.85	2	4.24	14	(D)	3
February	3.12	4	3.62	2	(D)	1	3.45	2
March	3.30	7	3.68	4	3.86	7	4.45	2
April	3.48	4	3.80	5	4.06	2	3.94	4
May	3.46	4	3.75	3	(D)	2	(D)	3
June	3.27	4	(D)	4	4.10	2	3.27	10
Annual	2.91		3.31		3.63		3.16	

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

(S) Insufficient number of reports to establish an estimate.

# Potatoes

## Potatoes: Acres, yield, production, and value, 2016-2020

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2016	48.0	47.0	370	17,390	10.20	177,378
2017	50.0	49.5	370	18,315	11.10	203,297
2018	50.0	48.0	380	18,240	10.50	191,520
2019	50.0	48.5	420	20,370	9.84	200,441
2020	46.0	45.0	390	17,550	10.80	189,540

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

## Potatoes: Stocks by type as percent of total stocks, December 1, 2016-2020

Type	2016	2017	2018	2019	2020
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	81	80	78	79	79
Russet	17	18	20	20	18
Red	0	1	1	(D)	(D)
Yellow	2	1	1	(D)	(D)

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

## Potatoes: Production and disposition, 2016-2020

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>
2016	17,390	1,470	295	755	16,340
2017	18,315	1,344	379	623	17,313
2018	18,240	1,400	373	680	17,187
2019	20,370	1,411	375	746	19,249
2020	17,550	1,349	332	527	16,691

## Potatoes: Stocks, 2016-2020

Crop year	December 1	February 1	April 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
2016	9,900	6,000	2,600
2017	11,000	6,900	3,800
2018	10,500	6,700	3,400
2019	12,500	7,900	3,900
2020	11,400	7,300	3,300

# Soybeans

## Soybeans: Acres, yield, production, and value, 2016-2020

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2016	2,070	2,060	50.5	104,030	9.51	989,325
2017	2,280	2,270	42.5	96,475	9.39	905,900
2018	2,330	2,310	47.5	109,725	8.53	935,954
2019	1,760	1,720	40.5	69,660	8.81	613,705
2020	2,200	2,190	48.0	105,120	11.70	1,183,695

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

## Soybeans: Stocks by quarter, 2016-2020

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>
2016	28,500	42,823	15,500	28,046	8,400	14,978	2,250	4,789
2017	30,000	37,797	14,000	29,719	5,800	16,646	1,750	4,330
2018	46,000	44,504	28,000	39,688	18,000	26,284	8,000	10,428
2019	31,500	36,965	18,000	35,803	15,000	24,999	2,600	9,141
2020	31,500	41,771	14,500	31,344	3,600	17,710	1,000	6,257

## Soybeans: Percentage of acreage planted, 2016-2020

Year	Month and day							
	April		May			June		
	30	10	20	30	10	20	30	
2016	1	9	28	73	93	100	100	
2017	1	5	33	61	86	97	100	
2018	1	13	29	54	77	89	96	
2019	2	3	12	27	46	62	81	
2020	9	35	60	74	91	99	100	
5-year-average	3	13	32	58	79	89	95	

## Soybeans: Percentage of acreage setting pods, 2016-2020

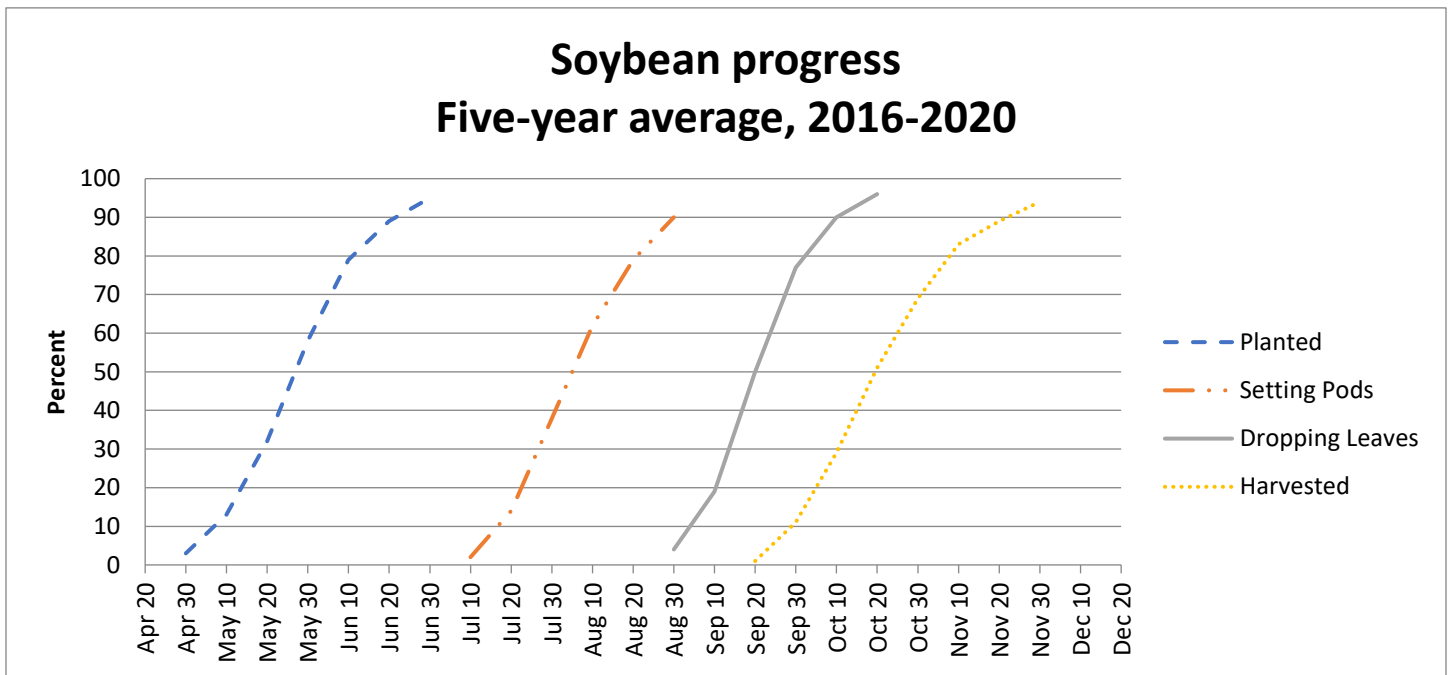
Year	Month and day					
	July			August		
	10	20	30	10	20	30
2016	1	13	38	66	85	93
2017	5	23	44	69	85	92
2018	4	18	39	65	82	93
2019	0	5	16	29	52	74
2020	1	12	54	81	93	100
5-year-average	2	14	38	62	79	90

**Soybeans: Percentage of acreage dropping leaves, 2016-2020**

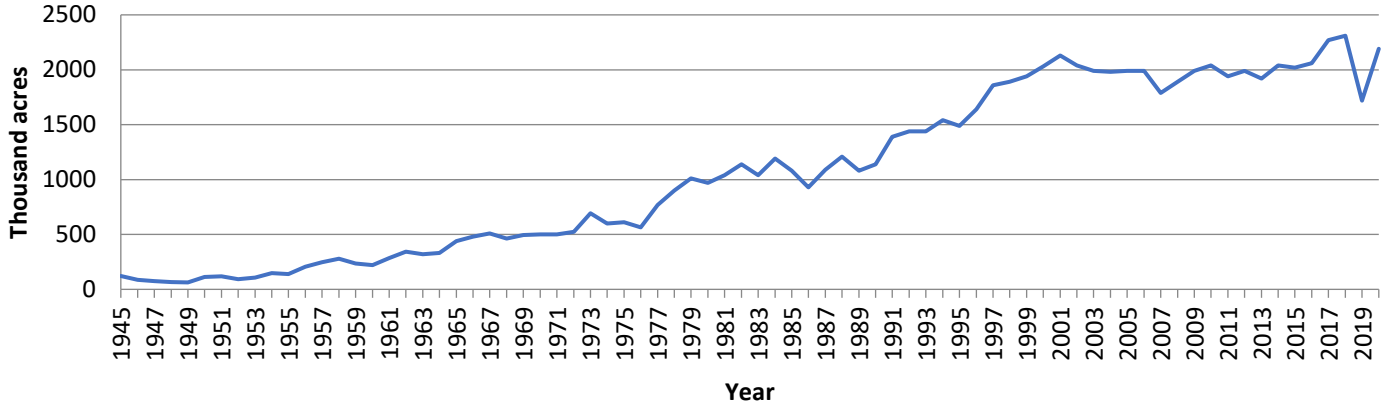
Year	Month and day					
	August	September			October	
	30	10	20	30	10	20
2016	1	15	43	77	90	96
2017	6	21	53	81	94	96
2018	5	23	52	79	91	96
2019	0	7	32	58	77	90
2020	9	29	71	91	96	100
5-year-average	4	19	50	77	90	96

**Soybeans: Percentage of acreage harvested, 2016-2020**

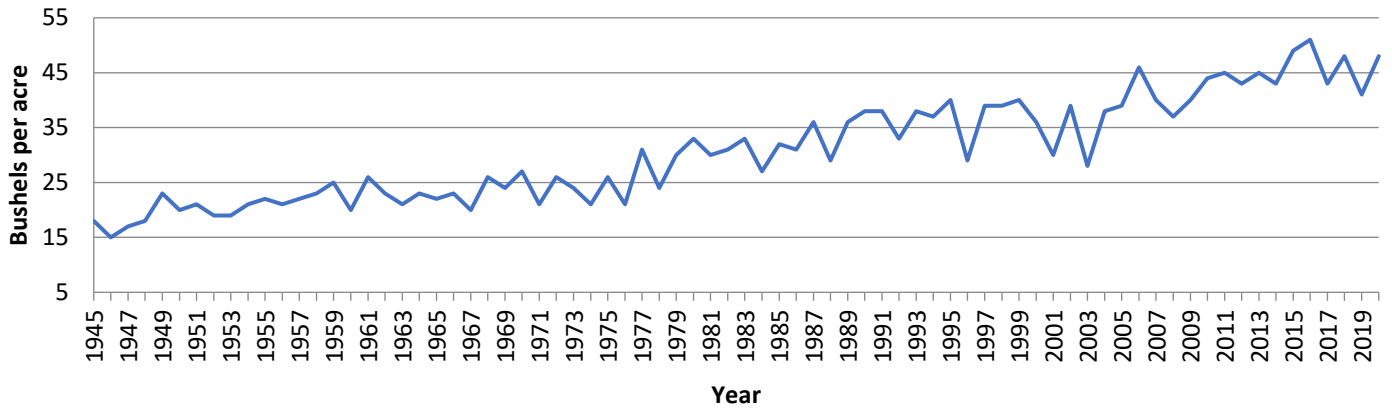
Year	Month and day							
	September		October			November		
	20	30	10	20	30	10	20	30
2016	0	4	17	43	66	82	91	97
2017	1	19	54	70	79	87	91	97
2018	2	11	19	40	67	78	85	93
2019	0	7	14	37	54	74	78	84
2020	1	16	39	67	77	93	98	100
5-year-average	1	11	29	51	69	83	89	94



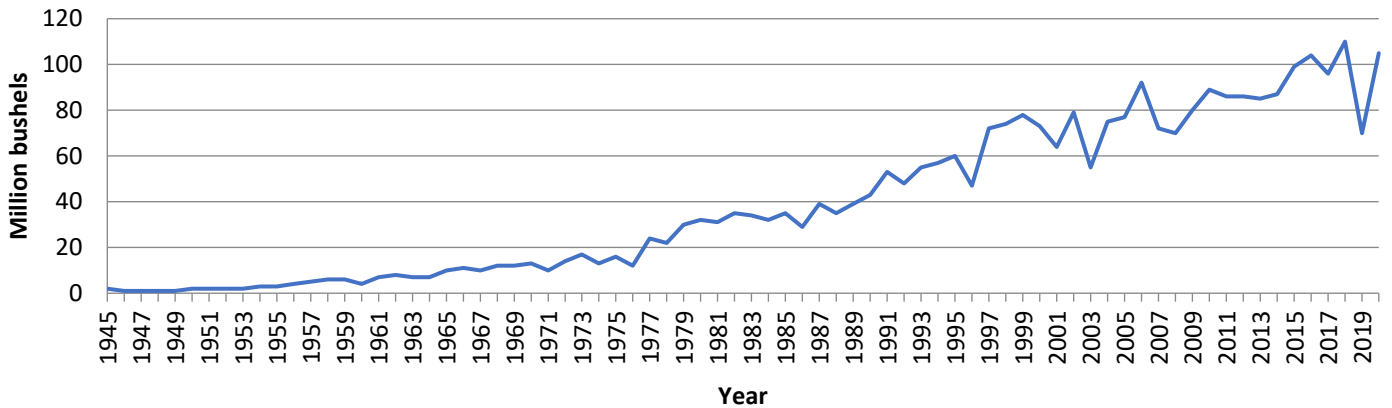
### Soybean harvested acres, 1945-2020



### Soybean yield, 1945-2020



### Soybean production, 1945-2020





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

Months	2017		2018		2019		2020	
	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	9.28	11	8.72	2	8.54	4	9.45	8
October	9.21	34	8.73	26	8.78	18	9.92	27
November	9.22	12	8.37	17	8.68	12	10.80	13
December	9.34	7	8.49	9	8.95	12	11.30	9
January	9.31	11	8.62	10	9.03	9	11.80	14
February	9.66	7	8.61	5	8.94	4	13.40	5
March	9.98	6	8.70	4	8.90	6	13.20	5
April	10.00	4	8.22	5	8.75	7	13.90	5
May	10.10	3	8.08	4	8.59	6	14.60	3
June	9.85	2	8.42	13	8.80	11	16.20	5
July	9.56	2	8.60	3	8.65	4	15.30	3
August	9.24	1	8.50	2	8.89	7	15.20	3
Annual	9.39		8.53		8.81		11.70	

## Sugarbeets

**Sugarbeets: Acres, yield, production, and value, 2016-2020**

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2016	151	149	30.8	4,589	30.70	140,882
2017	144	143	25.2	3,604	38.30	138,033
2018	150	148	29.1	4,307	35.10	151,176
2019	146	145	28.6	4,147	35.00	145,145
2020	157	154	28.3	4,358	( <sup>2</sup> )	( <sup>2</sup> )

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

<sup>2</sup> Published in February 2022.

# Wheat

## Wheat: Acres, yield, production, and value, 2016-2020

Year	Planted	Harvested	Yield	Production	Price <sup>1</sup>	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2016	610	570	89.0	50,730	4.15	210,530
2017	480	425	79.0	33,575	4.54	152,431
2018	510	470	76.0	35,720	5.08	181,458
2019	550	490	71.0	34,790	5.21	181,256
2020	490	450	75.0	33,750	5.32	180,563

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

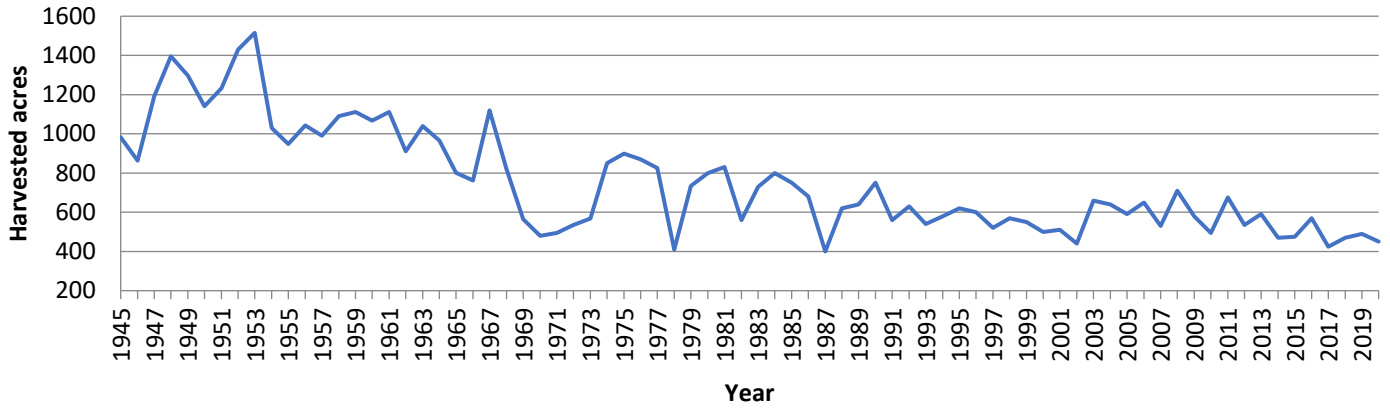
## Wheat: Stocks by quarter, 2016-2020

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>
2016	7,200	46,582	4,000	42,776	3,400	35,778	1,250	30,088
2017	4,900	47,699	2,700	42,254	2,100	35,956	930	30,370
2018	4,300	53,403	1,800	47,535	1,700	39,504	640	30,475
2019	4,100	46,116	2,400	38,954	800	30,400	490	21,717
2020	4,900	36,072	2,600	29,571	500	22,788	90	13,738

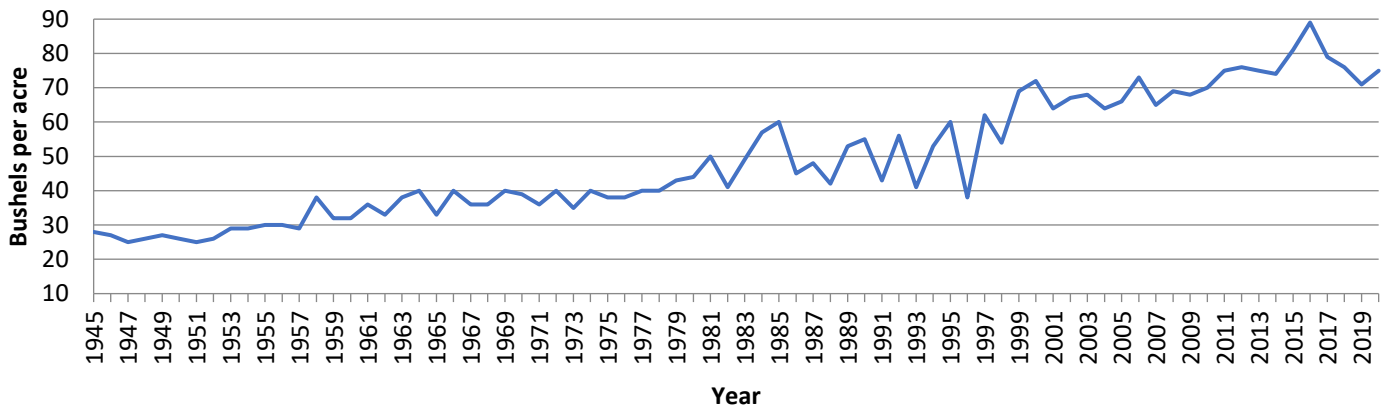
## Wheat: Monthly price received, percent of annual sales, and marketing year average price by year

Months	2017		2018		2019		2020	
	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	4.76	40	4.98	60	5.27	27	5.22	58
August	4.29	21	5.27	18	5.09	35	4.90	13
September	4.24	10	5.17	4	5.05	11	5.30	9
October	4.53	3	4.96	1	5.13	8	5.51	4
November	4.08	2	4.92	1	5.19	4	5.70	1
December	3.82	4	5.16	1	5.26	2	5.76	1
January	4.43	5	5.33	3	5.58	5	5.73	5
February	4.51	5	5.22	1	5.65	2	6.18	2
March	4.72	4	5.56	2	5.66	2	6.13	2
April	5.01	3	5.25	7	5.85	2	6.15	2
May	4.98	2	4.93	1	5.55	1	6.37	2
June	5.06	1	5.26	1	5.18	1	6.49	1
Annual	4.54		5.08		5.21		5.32	

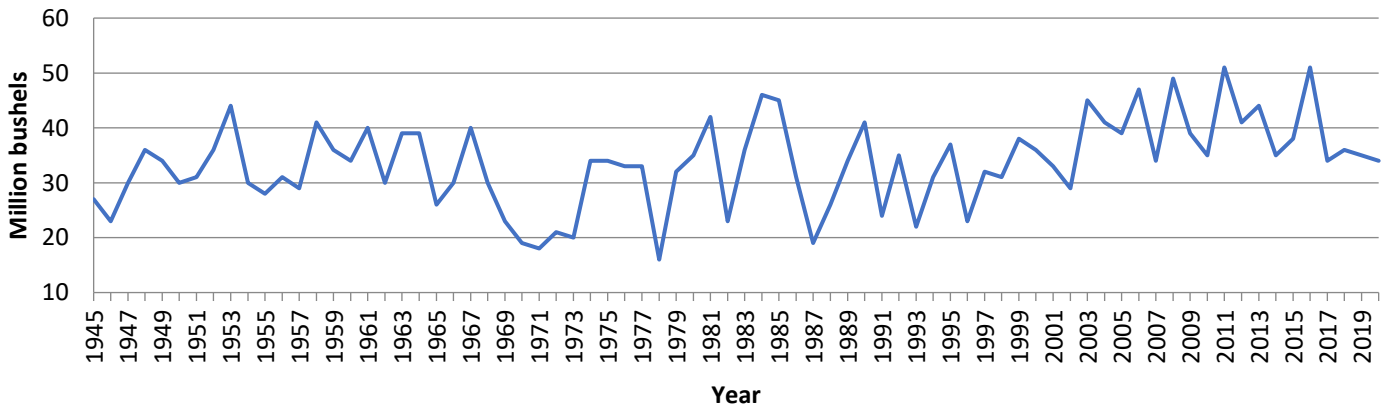
## Wheat harvested acres, 1945-2020



## Wheat yield, 1945-2020



## Wheat production, 1945-2020



# Agricultural Chemical Usage

## Asparagus: Agricultural chemical applications, program states, 2020 <sup>1</sup>

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
2, 4-D, dimethylamine	36	1.6	0.610	0.956	6,200
2, 4-D, triisopropanol.	19	1.6	0.556	0.912	3,200
Diuron	60	1.4	1.454	1.968	21,400
Flumioxazin	25	1.2	0.177	0.205	900
Glyphosate, isopropyl.	58	1.6	1.046	1.651	17,300
Glyphosate, potassium	45	1.2	1.679	2.061	16,500
Metribuzin	41	1.2	0.632	0.746	5,500
Pendimethalin	19	1.3	3.168	3.966	13,400
S-metolachlor	37	1.2	1.281	1.576	10,400
Sulfentrazone	46	1.3	0.238	0.301	2,500
Terbacil	10	1.0	0.402	0.402	700
Trifluralin	7	1.3	0.469	0.600	800
ALL	93				102,100
<b>Insecticides</b>					
Acetamiprid	22	1.1	0.096	0.104	400
Carbaryl	55	3.7	1.066	3.893	38,200
Chlorpyrifos	43	1.1	0.996	1.082	8,300
Permethrin	41	3.0	0.102	0.308	2,300
ALL	89				50,400
<b>Fungicides</b>					
Chlorothalonil	49	3.2	1.448	4.705	41,900
Tebuconazole	44	2.7	0.162	0.432	3,400
ALL	53				46,900

<sup>1</sup> California, Michigan, and Washington. Planted acres in 2020 were 18,000 acres.

**Snap Beans: Agricultural chemical applications, program states, 2020 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
Bentazon	39	1.0	0.556	0.561	38,600
Clethodim	26	1.0	0.140	0.141	6,400
Cyflumetofen	27	1.0	0.181	0.187	9,400
EPTC	11	1.0	2.843	2.950	60,100
Glyphosate, isopropyl.	1	1.0	0.910	0.910	1,500
Glyphosate, potassium	3	1.0	0.776	0.792	4,700
Halosulfuron-methyl	22	1.1	0.034	0.036	1,400
Imazamox	9	1.0	0.031	0.031	500
Imazamox, sodium	3	1.0	0.029	0.030	100
Imazethapyr, ammonium	17	1.0	0.023	0.023	700
Metolachlor	24	1.1	1.285	1.412	61,400
Pendimethalin	10	1.0	0.884	0.905	14,900
Sethoxydim	4	1.0	0.192	0.193	1,400
S-metolachlor	38	1.1	1.099	1.165	83,500
Trifluralin	26	1.0	0.515	0.522	24,500
ALL	94				378,300
<b>Insecticides</b>					
Bifenthrin	30	1.6	0.046	0.075	3,400
Chlorantraniliprole	17	1.0	0.053	0.053	1,600
Esfenvalerate	2	1.0	0.046	0.048	200
Ethoprop	1	1.0	3.000	3.000	7,600
Imidacloprid	1	1.1	0.122	0.138	200
Lambda-cyhalothrin	37	1.3	0.029	0.039	2,600
Zeta-cypermethrin	11	1.6	0.020	0.031	700
ALL	64				32,200
<b>Fungicides</b>					
Azoxystrobin	1	2.0	0.102	0.199	300
Boscalid	23	1.1	0.309	0.345	14,100
Chlorothalonil	24	1.1	1.077	1.170	48,700
Copper chloride hydrox.	7	1.2	0.240	0.300	3,600
Copper hydroxide	12	1.3	0.354	0.471	10,100
Iprodione	22	1.0	0.780	0.786	31,900
Penthiopyrad	17	1.0	0.298	0.301	9,400
Thiophanate-methyl	39	1.0	1.125	1.136	80,800
ALL	55				206,400

<sup>1</sup> California, Florida, Georgia, Illinois, Michigan, New York, Oregon, Pennsylvania, and Wisconsin. Planted acres in 2020 were 181,200 acres.

**Cucumbers: Agricultural chemical applications, program states, 2020 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
Clomazone	61	1.0	0.249	0.250	13,600
Ethalfuralin	80	1.0	0.881	0.885	66,000
Glyphosate iso. salt	13	1.1	0.801	0.852	9,500
Glyphosate pot. salt	2	1.1	0.736	0.788	1,900
Halosulfuron-methyl	37	1.0	0.081	0.084	2,900
ALL	87				101,800
<b>Insecticides</b>					
Bifenthrin	2	1.3	0.096	0.126	800
Permethrin	1	2.5	0.165	0.411	3,000
Spinosad	1	1.1	0.164	0.184	200
ALL	20				23,600
<b>Fungicides</b>					
Ametoctradin	11	1.6	0.274	0.446	4,400
Azoxystrobin	10	1.0	0.078	0.079	700
Chlorothalonil	59	4.6	1.904	8.827	490,600
Copper chloride hyd.	1	2.3	0.263	0.601	400
Copper Hydroxide	19	1.3	1.476	1.933	33,500
Cyazofamid	51	1.8	0.084	0.153	7,300
Cymoxanil	1	5.6	0.143	0.799	1,100
Difenoconazole	3	1.4	0.085	0.119	300
Dimethomorph	11	1.7	0.206	0.353	3,500
Famoxadone	1	6.1	0.141	0.858	1,000
Mancozeb	25	1.4	1.423	2.035	47,900
Oxathiapiprolin	41	1.3	0.043	0.055	2,100
Propamocarb hydroch.	13	1.7	0.804	1.349	16,100
ALL	78				616,300

<sup>1</sup> California, Florida, Georgia, Michigan, North Carolina, Texas, and Wisconsin.

**Pumpkins: Agricultural chemical applications, program states, 2020 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
Clethodim	9	1.2	0.137	0.161	800
Clomazone	52	1.1	0.430	0.460	13,500
Ethalfuralin	14	1.1	0.720	0.819	6,400
Fomesafen sodium	25	1.1	0.237	0.253	3,500
Glyphosate iso. salt	8	1.3	0.869	1.159	5,200
Glyphosate pot. salt	9	1.7	1.307	2.208	17,000
Halosulfuron-methyl	8	1.2	0.089	0.102	700
Metolachlor	4	1.0	1.633	1.633	4,100
Paraquat	3	1.3	0.306	0.393	1,800
S-Metolachlor	38	1.1	1.036	1.088	25,900
ALL	79				80,400
<b>Insecticides</b>					
Abamectin	3	1.9	0.016	0.032	100
Acetamiprid	12	2.3	0.108	0.252	1,800
Beta-cyfluthrin	2	3.7	0.017	0.061	100
Bifenthrin	20	1.9	0.079	0.152	1,900
Carbaryl	7	1.6	0.734	1.194	4,600
Chlorantranilprole	3	1.9	0.065	0.120	200
Cyfluthrin	2	3.3	0.042	0.141	100
Esfenvalerate	6	1.6	0.124	0.197	600
Flonicamid	4	2.2	0.073	0.165	400
Imidacloprid	2	1.5	0.296	0.433	400
Lambda-Cyhalothrin	10	2.9	0.033	0.095	500
Permethrin	5	2.6	0.087	0.230	700
Pymetrozine	2	3.0	0.064	0.190	200
Thiamethoxam	5	2.4	0.061	0.143	400
Zeta-Cypermethrin	6	2.6	0.022	0.059	200
ALL	54				35,000
<b>Fungicides</b>					
Ametoctradin	2	2.9	0.647	1.878	1,900
Azoxystrobin	13	1.4	0.153	0.207	2,000
Basic copper sulfate	2	3.7	0.982	3.653	4,600
Benzovindiflupyr	6	1.8	0.061	0.111	400
Chlorothalonil	58	2.9	1.443	4.184	121,000
Copper chloride hyd.	14	4.0	0.218	0.873	6,800
Copper hydroxide	24	3.6	0.288	1.041	13,500
Copper sulfate	5	4.6	0.070	0.323	900
Cyazofamid	14	2.0	0.092	0.182	1,400
Cyflufenamid	7	1.6	0.145	0.230	1,000
Cymoxanil	7	1.3	0.113	0.149	600
Cyprodinil	6	2.1	0.269	0.572	1,900
Difenoconazole	9	2.2	0.080	0.177	1,300
Dimethomorph	2	2.9	0.446	1.302	1,500
Famoxadone	7	1.3	0.113	0.147	600
Mancozeb	9	2.8	1.985	5.479	29,400
Mandipropamide techn	14	1.2	0.116	0.138	1,100
Mefenoxam	4	2.2	0.311	0.684	1,500
Myclobutanil	7	2.0	0.088	0.178	1,200
Oxathiapiprolin	16	1.8	0.006	0.011	100
Penthiopyrad	4	1.6	0.198	0.312	700
Propamocarb hydroch.	2	1.9	1.124	2.162	2,700
Pyraclostrobin	3	1.0	0.113	0.115	200
Quinoline	15	1.9	0.083	0.153	1,700
Sulfur	6	2.0	5.824	11.377	41,800
Tebuconazole	4	2.7	0.183	0.497	1,100
Trifloxystrobin	2	1.2	0.118	0.147	200
ALL	75				246,000

<sup>1</sup> California, Illinois, Indiana, Michigan, New York, North Carolina, Ohio, Pennsylvania, and Texas.

**Squash: Agricultural chemical applications, program states, 2020 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
<b>Herbicides</b>					
Clomazone	32	1.0	0.588	0.615	9,300
Ethalfuralin	27	1.1	1.951	2.071	27,000
Fomesafen sodium	4	1.0	0.227	0.227	400
Glyphosate iso.	2	1.1	1.508	1.621	1,300
Glyphosate potassium	1	3.1	1.728	5.432	2,600
Halosulfuron-methyl	10	1.0	0.034	0.034	200
S-Metolachlor	7	1.0	0.982	0.993	3,100
ALL	41				45,700
<b>Insecticides</b>					
Abamectin	4	1.2	0.022	0.026	100
Acetamiprid	8	1.2	0.092	0.109	400
Bifenthrin	25	1.8	0.049	0.086	1,300
Carbaryl	2	2.1	0.529	1.094	500
Chlorantraniliprole	3	1.2	0.063	0.074	100
Imadacloprid	4	1.4	0.297	0.410	800
Lambda-cyhalothrin	8	1.5	0.162	0.238	900
Permethrin	14	1.0	0.125	0.128	800
Thiamethoxam	2	1.1	0.072	0.081	100
Zeta-cypermethrin	18	1.7	0.007	0.012	200
ALL	45				8,900
<b>Fungicides</b>					
Azoxystrobin	17	1.2	0.174	0.215	1,800
Benzovindiflupyr	2	1.0	0.076	0.078	100
Chlorothalonil	39	2.7	1.113	3.001	55,800
Copper chloride hyd.	22	1.8	0.156	0.283	2,900
Copper hydroxide	26	2.2	0.263	0.576	7,200
Cyflufenamid	4	1.4	0.025	0.036	100
Cymoxanil	3	2.2	0.073	0.160	200
Cyprodinil	2	2.0	0.090	0.179	100
Difenoconazole	4	1.6	0.056	0.087	100
Famoxadone	3	2.2	0.072	0.159	200
Fluopicolide	4	1.4	0.115	0.165	300
Mancozeb	9	3.0	1.160	3.471	15,700
Myclobutanil	4	2.1	0.069	0.145	300
Oxathiapiprolin	21	1.3	0.012	0.015	200
Penthiopyrad	3	1.8	0.201	0.354	500
Propamocarb hydrochl.	1	2.1	1.334	2.795	1,100
Pyraclostrobin	1	1.5	0.166	0.256	100
Quinoline	1	1.1	0.100	0.108	100
Sulfur	1	2.1	10.805	22.648	9,300
ALL	50				102,600

<sup>1</sup> California, Florida, Georgia, Michigan, New Jersey, New York, North Carolina, and Oregon.



**Agricultural chemical applications: Soybeans, Michigan, 2020 <sup>1</sup>**

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Herbicides					
2,4-D, 2-Ehe	7	1.1	0.580	0.641	98,000
Chlorimuron-ethyl	10	1.0	0.015	0.015	3,000
Clethodim	6	1.0	0.142	0.142	19,000
Dicamba, diglycolam.	5	1.0	0.485	0.485	52,000
Dimethenamid-p	4	1.1	0.295	0.316	30,000
Flumioxazin	8	1.1	0.076	0.082	15,000
Glufosinate-ammonium	32	1.1	0.547	0.627	436,000
Glyphosate dim. salt	3	1.0	0.921	0.921	64,000
Glyphosate iso. salt	42	1.4	0.965	1.323	1,226,000
Glyphosate pot. salt	31	1.2	1.036	1.224	844,000
Imazethapyr	14	1.2	0.051	0.060	18,000
Metolachlor	12	1.3	1.340	1.739	472,000
Metribuzin	32	1.1	0.238	0.265	187,000
Pyoxasulfone	7	1.0	0.088	0.088	15,000
Saflufenacil	15	1.0	0.026	0.026	9,000
S-metolachlor	9	1.0	1.147	1.147	224,000
Sulfentrazone	14	1.0	0.207	0.207	64,000
ALL	96				3,994,000
Insecticides					
ALL	2				2,000
Fungicides					
ALL	4				67,000

<sup>1</sup> Planted acres in 2020 were 2.20 million acres.

**Fertilizer applications: Soybeans, Michigan 2020 <sup>1</sup>**

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>Pounds</i>
Nitrogen (N)	59	1.3	10	13	16,600,000
Phosphate (P2O5 )	54	1.1	36	38	45,200,000
Potash (K2O)	71	1.1	79	89	139,300,000
Sulfur (S)	17	1.2	8	9	3,500,000

<sup>1</sup> Planted acres in 2020 were 2.20 million acres.

# Fruit

## Fruit: Acres, production, and value, 2016-2020

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						
2016	33,000	38,600	1,275	1,273	0.255	325,195
2017	33,000	27,300	900	899	0.303	272,310
2018	32,000	32,300	1,035	1,034	0.276	285,104
2019	32,000	33,100	1,060	1,059	0.274	289,730
2020	31,000	29,900	927	926	0.292	270,238
Blueberries <sup>1</sup>						
2016	20,300	5,420	110	110	1.190	130,350
2017	20,000	5,010	102	100	1.160	116,400
2018	19,700	3,560	70	70	1.000	70,226
2019	20,600	4,120	85	85	0.886	75,258
2020	17,200	4,290	74	74	1.020	75,356
Cherries, tart						
2016	27,000	8,410	227	225	0.239	53,790
2017	26,500	7,140	189	188	0.211	39,693
2018	26,500	7,600	201	198	0.191	37,936
2019	25,600	6,650	170	158	0.143	22,534
2020	23,500	2,950	69	69	0.473	32,712
Peaches						
2016	2,300	9,560	22.0	21.8	0.443	9,650
2017	2,200	8,720	19.2	19.0	0.570	10,810
2018	2,400	10,000	24.0	23.9	0.530	12,642
2019	2,400	4,000	9.6	9.6	0.555	5,313
2020	2,400	5,000	12.0	12.0	0.745	8,922

<sup>1</sup> Harvested acres.

## Apples: Utilization and price, 2016-2020

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>
2016	635	0.385	638	0.127	1,273	0.255
2017	490	0.420	409	0.163	899	0.303
2018	520	0.420	514	0.130	1,034	0.276
2019	529	0.405	530	0.142	1,059	0.274
2020	461	0.430	465	0.155	926	0.292

**Blueberries: Utilization and price, 2016-2020**

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>
2016	110	110	55	1.720	55	0.650
2017	102	100	54	1.650	47	0.600
2018	70	70	37	1.380	33	0.580
2019	85	85	45	1.350	40	0.370
2020	74	74	42	1.510	32	0.380

**Cherries, tart: Production by region, 2016-2020**

Region	2016	2017	2018	2019	2020
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Northwest	138.0	123.1	115.2	104.5	42.6
West Central	67.0	33.8	60.4	37.0	22.2
Southwest and other	22.0	32.3	25.4	28.5	4.5
Michigan	227.0	189.2	201.0	170.0	69.3

**Cherries, tart, frozen: Stocks in cold storage, 2017-2021**

Month	East North Central region <sup>1</sup>				48 States total <sup>2</sup>			
	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
	<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	117,636	128,900	95,280	71,250	155,363	167,724	117,089	108,801
August	127,198	135,497	119,160	70,942	166,554	184,463	162,132	112,451
September	119,658	123,933	113,354	66,444	158,660	169,664	152,361	107,092
October	113,582	115,802	106,969	64,797	154,858	156,443	145,276	100,699
November	106,737	108,243	102,550	60,993	142,281	145,503	139,349	93,002
December	101,660	105,692	96,257	55,749	134,946	141,203	128,711	82,348
January	95,644	101,010	90,743	50,382	125,530	126,955	118,983	77,159
February	90,335	95,777	80,322	47,051	115,381	120,147	105,679	68,157
March	85,122	92,218	74,472	42,158	108,226	114,474	102,965	62,644
April	79,354	89,398	68,386	37,984	98,931	111,041	93,006	50,294
May	73,342	77,428	61,166	29,716	88,879	94,508	85,708	40,469
June	63,980	70,717	54,701	24,875	74,151	84,115	77,292	34,438

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

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

# Vegetables

**Vegetables: Area planted and harvested, production, and value, by crop, 2016-2020**

Crop	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 dollars</i>
Asparagus				
2016	11,400	10,400	260	22,801
2017	12,000	11,300	305	26,136
2018	10,000	9,500	266	23,275
2019	10,000	9,400	282	25,875
2020	10,000	9,500	266	23,856
Snap beans				
2016	19,300	18,400	1,674	32,263
2017	18,300	17,800	1,780	25,898
2018	21,000	18,200	1,365	21,520
2019	18,600	17,600	1,602	25,611
2020	19,400	19,100	1,700	31,270
Cabbage				
2016	3,600	3,500	1,155	15,987
2017	4,000	3,900	1,326	14,619
2018	3,800	3,700	1,295	14,327
2019	4,600	4,500	1,530	18,684
2020	4,100	4,000	1,520	16,751
Cucumbers				
2016	41,000	40,400	5,454	69,146
2017	38,000	37,500	5,625	79,739
2018	35,000	34,400	4,128	55,418
2019	40,000	39,600	5,940	70,560
2020	35,000	34,700	4,511	51,789
Bell peppers				
2016	1,800	1,700	442	16,354
2017	2,300	2,200	561	15,318
2018	2,100	2,000	480	18,220
2019	2,200	2,100	535.5	19,674
Pumpkins				
2016	5,400	5,100	791	11,909
2017	5,300	4,900	760	8,314
2018	5,700	5,400	1,026	14,947
2019	5,800	5,400	810	12,909
2020	5,700	5,400	864	14,440
Squash				
2016	9,600	9,300	2,232	33,570
2017	9,300	9,200	2,116	42,838
2018	9,000	8,700	1,914	37,072
2019	8,900	8,600	1,720	43,825
2020	8,100	7,900	1,738	44,456
Michigan				
2016	92,100	88,800	12,008	202,030
2017	89,200	86,800	12,473	212,862
2018	86,600	81,900	10,474	184,779
2019	90,100	87,200	12,420	217,138
2020	84,300	82,500	11,036	196,907

**Vegetables, processing: Acres, production, and value, 2016-2020**

Item and Year	Production	Price per ton	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Cabbage			
2016	(D)	(D)	(D)
2017	(D)	(D)	(D)
2018	30,433	155	4,717
2019	45,900	155	7,115
2020	33,400	170	5,685
Cucumbers			
2016	208,070	200	41,614
2017	237,656	235	55,849
2018	153,149	215	32,927
2019	241,461	188	45,395
2020	194,199	210	40,782
Snap beans			
2016	70,911	240	17,019
2017	78,765	200	15,753
2018	60,333	215	12,972
2019	66,947	170	11,381
2020	69,356	175	12,137

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

**Vegetables, fresh market: Acres, production, and value, 2016-2020**

Item and year	Production	Price per cwt	Value <sup>1</sup>
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Beans, snap			
2016	256	59.50	15,244
2017	203	50.00	10,145
2018	158	54.00	5,848
2019	261	54.50	14,230
2020	311	61.50	19,133
Cabbage			
2016			
2017	(D)	(D)	(D)
2018	686	14.00	9,610
2019	609	19.00	11,569
2020	851	13.00	11,066
Cucumbers			
2016	1,293	21.30	27,532
2017	872	27.40	23,890
2018	1,061	21.20	22,491
2019	1,099	22.90	25,165
2020	451	24.40	11,007

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

**Vegetables, dual purpose: Acres, production, and value, 2016-2020**

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						
2016	11,400	10,400	25	260	87.70	22,801
2017	12,000	11,300	27	305	85.70	26,136
2018	10,000	9,500	28	266	87.50	23,275
2019	10,000	9,400	30	282	94.60	25,875
2020	10,000	9,500	28	266	91.50	23,856
Peppers, bell						
2016	1,800	1,700	260	442	37.00	16,354
2017	2,300	2,200	255	561	27.30	15,318
2018	2,100	2,000	240	480	38.00	18,220
2019	2,200	2,100	255	536	37.00	19,674
2020	2,000	1,800	230	437	33.20	14,345
Pumpkins						
2016	5,400	5,100	155	791	15.10	11,909
2017	5,300	4,900	155	760	11.00	8,314
2018	5,700	5,400	190	1,026	14.80	14,947
2019	5,800	5,400	150	810	16.00	12,909
2020	5,700	5,400	160	864	16.90	14,440
Squash						
2016	9,600	9,300	240	2,232	15.00	33,570
2017	9,300	9,200	230	2,116	20.20	42,838
2018	9,000	8,700	220	1,914	19.70	37,072
2019	8,900	8,600	200	1,720	26.00	43,825
2020	8,100	7,900	220	1,738	26.10	44,456

# Horticulture

**Floriculture crops: Number of growers by gross value of sales, 2016-2020**

Year	\$10,000- \$19,999	\$20,000- \$39,000	\$40,000- \$49,000	\$50,000- \$99,999	\$100,000- \$499,999	\$500,000 or more	Total growers
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
2016 <sup>1</sup>							
2017 <sup>1</sup>							
2018	49	78	35	97	170	140	569
2019	68	65	21	71	162	142	529
2020	59	63	36	91	155	145	549

<sup>1</sup> Program suspended.

**Floriculture crops: Growing area by type of cover, 2016-2020**

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>Acres</i>
2016 <sup>1</sup>							
2017 <sup>1</sup>							
2018	3,026	2,926	41,861	47,913	1,742	49,656	2,359
2019	3,790	4,431	41,179	49,400	789	50,189	5,070
2020	3,038	4,410	42,120	49,578	1,108	50,686	2,430

<sup>1</sup> Program suspended.

**Floriculture crops: Wholesale value of sales by category, 2016-2020**

Year	Herbaceous perennials	Potted flowering plants	Foliage plants for indoor or patio use	Bedding/ garden plants	Total wholesale value of reported crops <sup>1</sup>	Expanded wholesale value of reported crops <sup>2</sup>
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2016 <sup>3</sup>						
2017 <sup>3</sup>						
2018	69,390	70,435	8,849	224,469	474,977	486,746
2019	79,741	58,718	14,029	220,420	430,237	439,500
2020	79,633	52,005	19,718	247,740	491,317	502,558

<sup>1</sup> Includes listed categories, cut flowers, cut cultivated greens, and propagative floriculture material.

<sup>2</sup> Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

<sup>3</sup> Program suspended.



**Annual bedding plants: Producers, quantity sold as flats, price, and value, 2014-2020**

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 flats</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2014	189	767	78	8.69	6,665
2015	179	817	82	7.64	6,242
2016	192	851	73	8.07	6,868
2019	185	696	81	8.80	6,128
2020	187	929	80	8.56	7,956
Geraniums from cuttings					
2014	8	23	87	21.92	504
2015	8	22	86	22.60	497
2018	27	131	85	8.81	1,154
2019	5	(D)	(D)	(D)	(D)
2020	10	124	99	9.31	1,154
Impatiens, other					
2014	176	1,329	90	7.45	9,901
2015	168	1,106	88	8.06	8,914
2018	159	1,108	85	7.94	8,798
2019	163	847	88	7.87	6,662
2020	172	1,311	89	7.51	9,847
Marigolds					
2014	196	586	82	8.09	4,741
2015	182	588	83	7.34	4,316
2018	193	611	76	7.78	4,754
2019	193	529	84	7.82	4,138
2020	191	846	87	7.06	5,974
New Guinea Impatiens					
2014	36	110	92	8.77	965
2015	33	73	87	7.80	569
2018	37	91	77	8.14	741
2019	37	(D)	(D)	(D)	(D)
2020	40	195	91	9.31	1,815
Pansies/Violas					
2014	177	465	90	9.17	4,264
2015	165	414	89	8.74	3,618
2018	165	580	87	8.99	5,214
2019	158	298	89	8.32	2,480
2020	158	678	94	7.01	4,751
Petunias					
2014	203	1,380	85	9.32	12,862
2015	189	1,385	86	8.65	11,980
2018	196	1,315	81	8.53	11,217
2019	188	1,302	88	9.23	12,022
2020	187	1,543	88	8.20	12,660
Other flowering and foliar					
2014	181	3,112	88	6.84	21,286
2015	170	2,186	85	8.74	19,106
2018	181	2,320	84	8.99	20,857
2019	182	1,864	85	9.31	17,363
2020	177	3,075	88	7.65	23,536
Vegetables <sup>1</sup>					
2014	132	590	73	8.77	5,174
2015	129	743	80	11.00	8,173
2018	138	606	76	7.41	4,490
2019	111	454	66	10.08	4,575
2020	122	583	73	9.33	5,442

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

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

**Hanging baskets: Producers, quantity sold, price, and value, 2014-2020**

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 baskets</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
<b>Begonias</b>					
2014	161	517	92	5.80	2,999
2015	156	513	89	6.20	3,181
2018	165	486	87	7.04	3,421
2019	174	561	90	7.41	4,156
2020	175	820	84	7.68	6,294
<b>Geraniums from cuttings</b>					
2014	203	770	77	7.15	5,506
2015	195	794	81	7.48	5,939
2018	202	1,041	83	7.18	7,474
2019	196	710	77	7.49	5,320
2020	196	954	79	8.01	7,642
<b>Impatiens, other</b>					
2014	141	568	95	4.91	2,789
2015	138	592	96	5.04	2,984
2018	128	681	92	4.94	3,364
2019	115	436	91	5.33	2,324
2020	130	580	92	5.95	3,451
<b>Marigolds</b>					
2014	21	62	97	4.64	288
2015	19	65	99	4.53	294
2018	15	52	96	4.64	241
2019	15	54	98	5.41	292
2020	14	73	99	5.08	371
<b>New Guinea Impatiens</b>					
2014	183	475	82	6.90	3,278
2015	178	481	81	7.02	3,377
2018	168	384	87	7.19	2,761
2019	167	472	83	6.18	2,915
2020	163	442	80	6.55	2,894
<b>Pansies/Violas</b>					
2014	58	191	93	5.33	1,018
2015	49	142	98	5.90	838
2018	53	212	97	5.53	1,172
2019	54	161	93	5.10	821
2020	50	359	98	6.46	2,320
<b>Petunias</b>					
2014	195	1,313	89	5.81	7,629
2015	183	1,131	89	5.81	6,571
2018	192	1,502	89	5.83	8,757
2019	195	1,241	87	6.37	7,907
2020	188	1,683	90	6.55	11,029
<b>Other flowering</b>					
2014	176	3,427	92	7.92	27,142
2015	174	3,500	93	7.21	25,235
2018	182	3,511	88	7.69	27,000
2019	177	3,336	90	7.66	25,558
2020	180	3,162	79	7.66	24,211
<b>Foliage</b>					
2014	43	160	86	9.47	1,515
2015	49	258	90	10.91	2,815
2018	68	335	82	10.05	3,367
2019	52	589	94	12.83	7,554
2020	72	377	70	7.66	2,887

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

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2014-2020**

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias								
2014	112	644	292	936	90	1.59	3.76	2,122
2015	113	782	516	1,298	90	1.53	4.87	3,709
2018	134	903	724	1,627	89	2.04	4.38	5,013
2019	129	783	546	1,329	87	2.21	5.49	4,731
2020	135	2,420	799	3,219	90	1.63	3.87	7,027
Chrysanthemums, florist								
2014	18	156	592	748	99	1.31	3.39	2,211
2015	16	75	214	289	97	2.37	4.14	1,064
2018	19	96	326	422	93	2.51	4.13	1,587
2019	14	(D)	(D)	554	(D)	(D)	(D)	2,265
2020	17	388	672	1,060	99	1.54	3.74	3,107
Chrysanthemums, hardy garden								
2014	119	1,357	4,821	6,178	93	0.96	3.01	15,814
2015	111	1,102	5,244	6,346	96	1.06	2.80	15,851
2018	131	1,271	5,668	6,939	94	1.17	3.13	19,228
2019	108	1,433	4,187	5,620	95	1.02	3.51	16,132
2020	117	1,568	5,927	7,495	95	1.15	3.67	23,568
Easter Lilies								
2014	30	103	1,427	1,530	97	1.79	4.74	6,948
2015	26	124	1,366	1,490	98	2.27	4.17	5,978
2018	33	141	1,253	1,394	98	2.37	4.33	5,760
2019	20	(D)	(D)	982	(D)	(D)	(D)	4,494
2020	22	(D)	(D)	950	(D)	(D)	(D)	4,063
Geraniums from cuttings								
2014	202	2,215	1,177	3,392	70	2.05	4.60	9,955
2015	181	2,128	1,450	3,578	73	2.07	4.42	10,814
2018	200	4,033	1,437	5,470	80	1.42	4.68	12,452
2019	194	2,434	1,229	3,663	71	1.83	3.99	9,370
2020	201	3,476	1,789	5,265	77	1.79	4.59	14,442
Impatiens, other								
2014	59	278	150	428	98	1.20	2.24	670
2015	55	257	184	441	98	1.35	3.05	908
2018	76	365	185	550	90	1.89	2.91	1,228
2019	61	381	252	633	94	1.34	2.41	1,118
2020	79	622	394	1,016	90	1.40	2.21	1,742
Marigolds								
2014	30	160	118	278	96	0.69	2.22	372
2015	32	107	102	209	98	0.92	1.98	300
2018	31	232	100	332	94	1.17	2.71	542
2019	28	293	388	681	98	0.75	1.72	886
2020	25	594	165	759	98	0.79	2.63	905
New Guinea Impatiens								
2014	171	2,186	218	2,404	90	1.45	5.85	4,445
2015	153	1,753	261	2,014	90	1.43	5.09	3,835
2018	162	1,950	319	2,269	90	1.42	4.85	4,316
2019	166	1,686	366	2,052	87	1.74	4.12	4,446
2020	162	1,884	408	2,292	80	1.69	4.35	4,957

See footnote(s) at end of table.

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**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2014-2020 (continued)**

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Pansies/Violas								
2014	67	1,333	354	1,687	95	1.08	2.56	2,346
2015	62	1,317	326	1,643	98	1.07	2.79	2,319
2018	66	1,666	299	1,965	98	0.95	3.22	2,545
2019	69	699	604	1,303	97	1.56	2.74	2,741
2020	65	1,762	347	2,109	95	0.61	2.93	2,097
Petunias								
2014	120	3,072	1,191	4,263	92	1.28	4.60	9,411
2015	110	2,664	1,408	4,072	94	1.52	4.41	10,259
2018	131	2,932	1,666	4,598	92	1.58	4.05	11,380
2019	141	2,970	1,888	4,858	91	2.00	4.27	14,014
2020	135	2,871	1,345	4,216	91	2.01	5.32	12,913
Poinsettias								
2014	60	769	1,806	2,575	95	2.08	4.76	10,196
2015	55	701	1,890	2,591	95	1.53	4.92	10,371
2018	64	815	1,970	2,785	96	1.62	4.86	10,895
2019	47	631	1,691	2,322	96	1.88	4.46	8,722
2020	52	514	1,723	2,237	96	1.83	4.71	9,058
Flowering bulbs								
2014	23	402	1,706	2,108	99	1.80	3.64	6,933
2015	23	472	1,422	1,894	99	2.06	3.86	6,461
2018	30	628	1,563	2,191	99	2.07	3.42	6,645
2019	21	(D)	(D)	7,223	(D)	(D)	(D)	14,056
2020	24	(D)	(D)	7,573	(D)	(D)	(D)	14,539
Other flowering plants								
2014	72	1,491	1,505	2,996	90	1.88	4.43	9,470
2015	47	595	602	1,197	92	2.57	6.26	5,298
2018	58	909	5,169	6,078	96	2.59	7.95	43,448
2019	88	2,547	3,190	5,737	72	2.29	7.01	28,181
2020	52	1,342	2,210	3,552	91	1.97	7.86	20,025
Other flowering and foliar type bedding plants								
2014	162	13,774	4,908	18,682	90	1.64	4.50	44,675
2015	152	17,566	4,693	22,259	93	1.61	5.06	52,028
2018	173	21,183	5,500	26,683	90	1.50	4.70	57,625
2019	197	23,296	6,702	29,998	91	1.48	4.88	67,244
2020	187	21,746	5,552	27,298	81	1.42	5.17	59,636
Vegetable type <sup>1</sup>								
2014	99	3,752	654	4,406	81	1.22	6.52	8,842
2015	99	3,337	410	3,747	85	1.18	4.08	5,610
2018	106	3,672	565	4,237	84	1.52	9.74	11,085
2019	95	5,545	1,015	6,560	87	1.37	3.18	10,829
2020	109	5,970	756	6,726	86	1.37	5.95	12,674

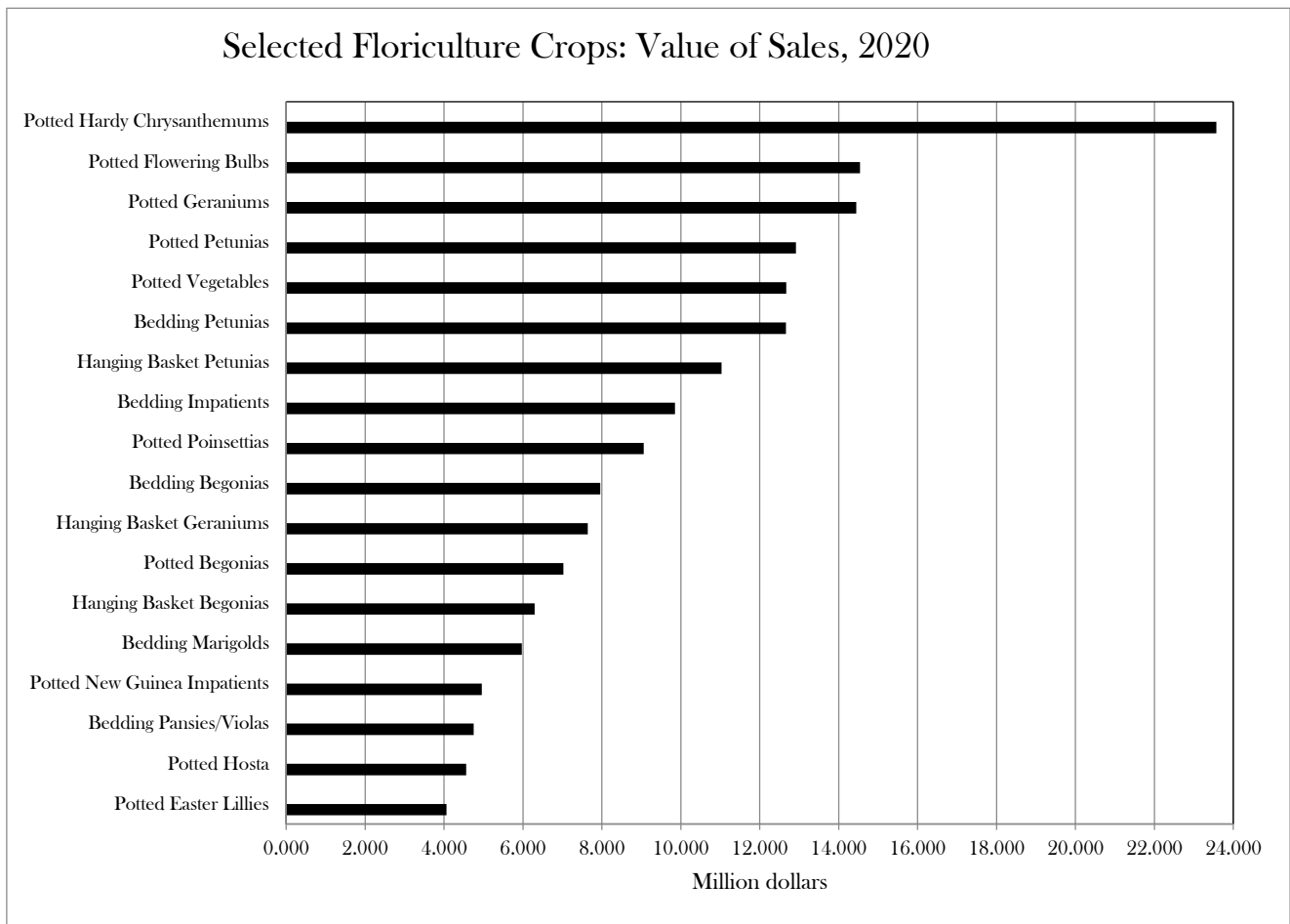
(D) Withheld to avoid disclosing data for individual operations.

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

**Herbaceous perennials: Producers, quantity sold, price, and value, 2014-2020**

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
<b>Hosta</b>										
2014	102	1,613	979	56	2,648	96	1.95	3.38	8.09	6,907
2015	102	1,620	887	31	2,538	96	2.21	3.38	7.17	6,801
2018	112	881	683	27	1,591	93	1.81	3.62	7.26	4,263
2019	105	1,019	886	30	1,935	95	2.09	3.73	7.87	5,673
2020	104	492	810	31	1,333	93	2.29	3.91	8.58	4,562
<b>Other</b>										
2014	127	6,094	7,491	429	14,014	95	1.76	3.82	6.75	42,237
2015	124	5,889	5,994	252	12,135	93	1.86	4.32	9.68	39,287
2018	135	6,303	6,691	313	13,307	92	1.72	4.51	9.09	43,863
2019	132	7,465	6,248	370	14,083	91	1.88	6.04	8.13	54,793
2020	133	6,759	6,829	245	13,833	90	2.04	4.69	9.58	48,167

**Selected Floriculture Crops: Value of Sales, 2020**



# Livestock, Dairy, and Poultry

## Livestock: Record highs and lows

Livestock	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Cattle and calves	1,000 head	2,036	1944	538	1867	1867
Cattle on feed	1,000 head	210	2004	57	1931	1930
Chickens, all <sup>1</sup>	1,000 birds	19,629	2018	6,190	1997	1924
Cows, beef	1,000 head	239	1977	24	1925,1933	1920
Cows, milk	1,000 head	1,080	1945	225	1867	1867
Eggs <sup>2</sup>	Million eggs	4,548	2018	1,104	1929	1924
Hogs and pigs <sup>1</sup>	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	3,915	2017	1921
Milk	Million pounds	11,683	2020	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	325	2018	1934

<sup>1</sup> December 1.

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

## Cattle and Calves

### Cattle and calves: Number on farms by class, January 1, 2017-2021

Class	2017	2018	2019	2020	2021
	<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	545	530	530	520	540
Beef cows	120	102	108	93	100
Milk cows	425	428	422	427	440
Heifers, 500 pounds and over	235	230	225	230	220
Beef cow replacement	25	24	25	23	20
Milk cow replacement	170	176	160	175	160
Other	40	30	40	32	40
Steers, 500 pounds and over	169	180	180	175	176
Bulls, 500 pounds and over	16	15	15	15	14
Calves, under 500 pounds	215	205	210	210	190
All cattle and calves	1,180	1,160	1,160	1,150	1,140

**Cattle and calves: Balance sheet, 2016-2020**

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings <sup>1</sup>		Farm slaughter cattle and calves <sup>2</sup>	Deaths		All cattle and calves on hand following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
2016	1,140	410	81	338	41	3	24	45	1,180
2017	1,180	410	55	375	41	3	23	43	1,160
2018	1,160	420	60	370	41	3	22	44	1,160
2019	1,160	400	70	367	41	3	24	45	1,150
2020	1,150	390	75	363	40	3	26	43	1,140

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

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

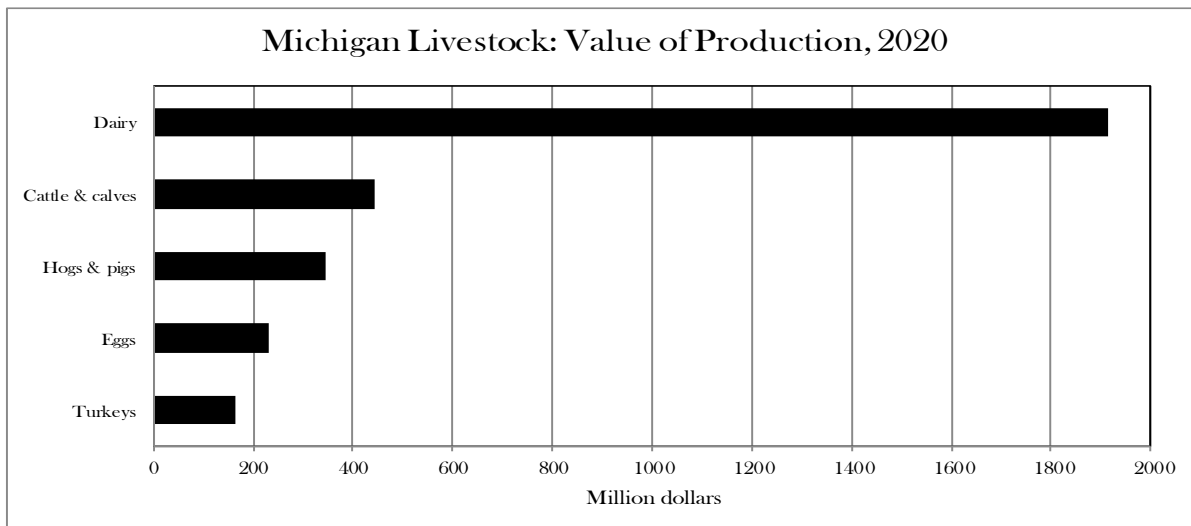
**Cattle and calves: Production and income, 2016-2020**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Value of production	Cash receipts <sup>3</sup>	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2016	469,680	476,000	505,309	529,060	15,704	544,764
2017	493,986	527,800	524,718	575,344	15,165	590,509
2018	494,004	521,800	495,641	539,586	14,151	553,737
2019	473,563	514,010	472,637	533,480	14,247	547,727
2020	477,897	508,075	445,598	500,656	14,497	515,153

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

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

<sup>3</sup> Receipts from marketings and sale of farm slaughter.

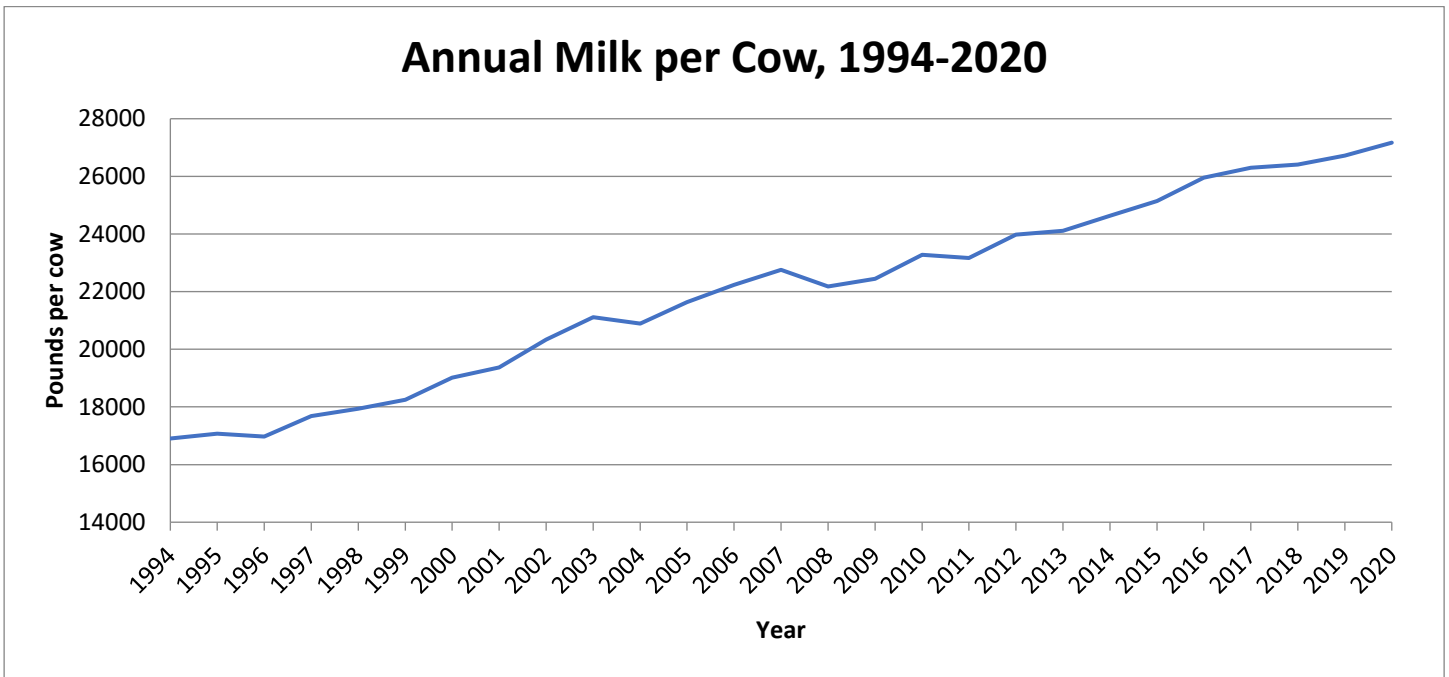


# Dairy

**Milk: Production, utilization, marketings, and value, 2016-2020**

Item	Unit	2016	2017	2018	2019	2020
<b>Production</b>						
Total milk produced on farms	Million pounds	10,876	11,231	11,171	11,385	11,683
Milkfat produced	Million pounds	399.1	417.8	426.7	436.0	447.5
Milkfat	Percent	3.67	3.72	3.82	3.83	3.83
<b>Utilization</b>						
<b>Milk used where produced</b>						
Fed to calves	Million pounds	32	33	34	34	36
Used for milk, cream, and butter	Million pounds	2	2	2	2	2
<b>Milk marketed by producers</b>						
Average return per 100 pounds of milk	Dollars	15.10	16.40	14.90	17.30	16.40
Average return per pound milkfat	Dollars	4.11	4.41	3.90	4.52	4.28
Fluid grade	Percent	100	100	100	100	100
Total cash receipts	1,000 dollars	1,637,142	1,836,144	1,659,115	1,963,377	1,909,780
<b>Value</b>						
Value of milk used where produced <sup>1</sup>	1,000 dollars	302	328	298	346	328
Total value of milk produced	1,000 dollars	1,642,276	1,841,884	1,664,479	1,969,605	1,916,012

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





**Milk cows: Number by month, 2016-2020**

Month	2016	2017	2018	2019	2020
	<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	413	425	426	424	427
February	414	425	425	424	427
March	416	425	425	425	428
April	417	426	423	425	428
May	418	427	423	425	428
June	419	427	423	425	428
July	420	427	423	425	428
August	422	428	423	427	428
September	422	428	422	428	430
October	422	428	422	428	431
November	423	428	422	427	436
December	425	428	422	427	439
Annual	419	427	423	426	430

**Milk production: Total by month, 2016-2020**

Month	2016	2017	2018	2019	2020
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	896	931	937	958	974
February	849	863	861	871	918
March	924	963	961	971	999
April	903	948	935	950	965
May	955	989	986	999	989
June	922	948	948	971	976
July	932	963	948	958	989
August	920	954	948	967	993
September	880	899	895	929	955
October	903	935	926	954	978
November	882	905	895	907	950
December	910	933	931	950	997
Annual	10,876	11,231	11,171	11,385	11,683

**Milk: Production per cow, by month, 2016-2020**

Month	2016	2017	2018	2019	2020
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	2,170	2,190	2,200	2,260	2,280
February	2,050	2,030	2,025	2,055	2,150
March	2,220	2,265	2,260	2,285	2,335
April	2,165	2,225	2,210	2,235	2,255
May	2,285	2,315	2,330	2,350	2,310
June	2,200	2,220	2,240	2,285	2,280
July	2,220	2,255	2,240	2,255	2,310
August	2,180	2,230	2,240	2,265	2,320
September	2,085	2,100	2,120	2,170	2,220
October	2,140	2,185	2,195	2,230	2,270
November	2,085	2,115	2,120	2,125	2,180
December	2,140	2,180	2,205	2,225	2,270
Annual	25,957	26,302	26,409	26,725	27,170

**Dairy Products, by Region, 2016-2020**

Product	Region	2016	2017	2018	2019	2020
		<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Cheese, total <sup>1</sup>	Central	5,493.3	5,859.5	6,000.4	5,998.5	6,160.9
Cheese, American type <sup>2</sup>	Central	2,300.3	2,581.5	2,637.3	2,600.8	2,686.7
Cheese, Italian	Central	2,136.6	2,202.0	2,250.2	2,270.7	2,300.2
Butter	Central	756.2	781.9	777.6	772.7	833.8
Cottage cheese, lowfat	Central	131.0	128.0	128.4	121.4	111.0
Cottage cheese, creamed	Central	161.2	168.9	181.9	182.9	186.7
Cottage cheese curd	Central	174.1	175.8	190.7	174.9	171.1
Yogurt, plain and flavored	Central	1,977.6	1,843.3	1,848.2	1,931.8	1,990.0
Condensed skim milk, unsweetened, bulk	Central	748.6	738.4	746.7	748.2	657.0
Nonfat dry milk for human food	Central	341.1	357.2	332.2	365.1	439.8
Dry whey for human food	Central	450.2	486.8	448.6	425.9	432.7
		<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	420,463	429,482	422,648	425,087	451,829
Ice cream, lowfat, total	Central	287,154	297,454	298,732	317,267	310,598
Sherbet, hard	Central	21,546	20,968	19,230	17,467	18,918
Frozen yogurt mix	Central	13,388	12,497	10,609	8,759	7,189
Ice cream mix, regular	Central	241,522	251,235	240,382	264,619	269,649
Ice cream mix, lowfat	Central	166,049	168,044	155,181	169,705	168,674
Ice cream mix, lowfat	Michigan	12,252	13,047	18,766	25,625	22,693
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Number of Plants	United States	1,298	1,305	1,275	1,270	1,242
Number of Plants	Michigan	51	51	49	47	46

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

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

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

**Milk and milk cow replacement prices received by farmers, 2020-2021**

Month	Milk cows per head <sup>1</sup>	All milk per cwt
	<i>Dollars</i>	<i>Dollars</i>
2020		
January	1,260	18.40
February		17.70
March		16.60
April	1,300	13.00
May		12.10
June		14.80
July	1,320	17.00
August		16.90
September		16.70
October	1,360	16.90
November		18.50
December		
2021		
January	1,400	15.90
February		15.90
March		16.40
April	1,425	17.20
May		18.10
June		18.00
July	1,450	17.00
August		16.60
September		17.10
October	1,360	
November		
December		

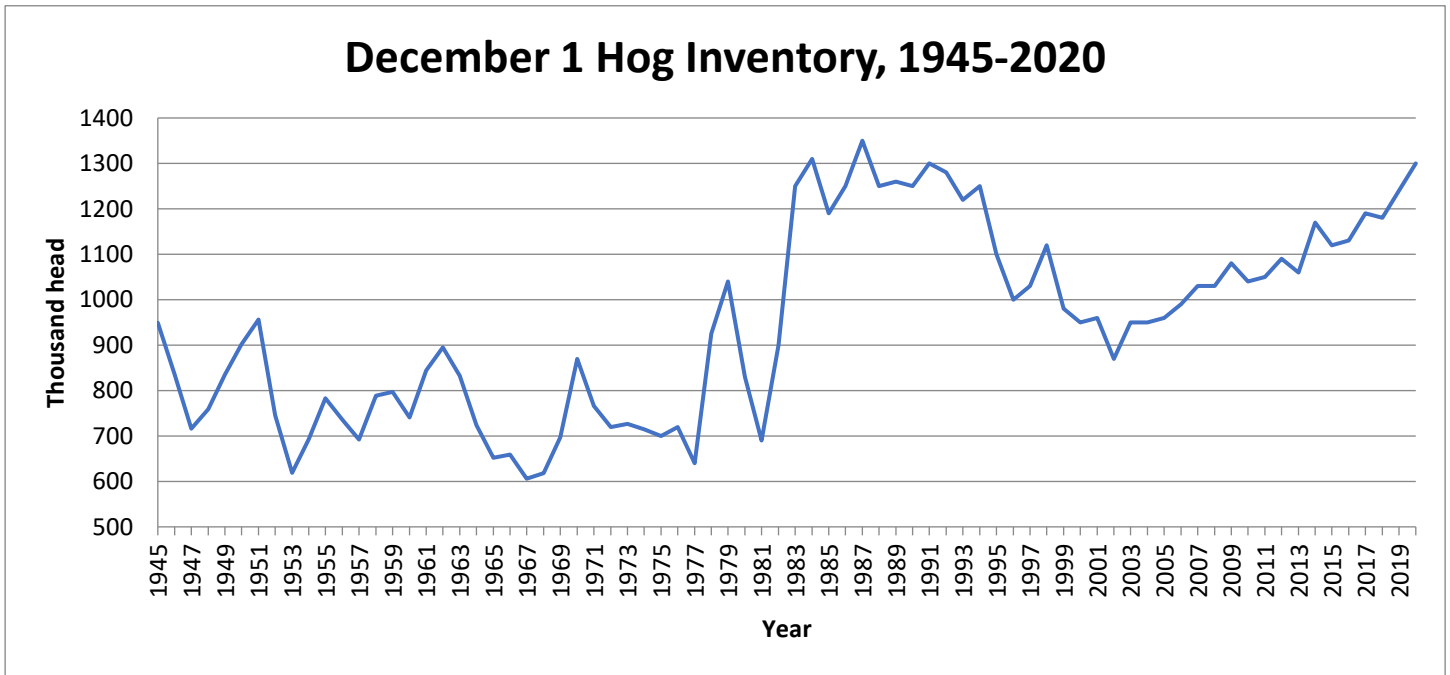
<sup>1</sup> Sold for dairy herd replacement only. Prices published January, April, July, and October.

# Hogs and Pigs

**Hogs and pigs: Inventory, 2017-2021**

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							
2017	285	245	240	230	1,000	110	1,110
2018	320	265	245	250	1,080	120	1,200
2019	330	300	225	255	1,110	120	1,230
2020	335	300	230	255	1,120	120	1,240
2021	335	300	265	280	1,180	120	1,300
June 1							
2017	290	240	245	225	1,000	110	1,110
2018	300	290	220	260	1,070	120	1,190
2019	320	320	230	260	1,130	120	1,250
2020	310	290	220	240	1,060	120	1,180
2021	330	295	235	255	1,115	115	1,230
September 1							
2017	310	260	250	250	1,070	120	1,190
2018	330	290	220	260	1,100	120	1,220
2019	310	310	225	275	1,120	120	1,240
2020	325	305	225	245	1,100	120	1,220
2021	330	295	230	250	1,105	115	1,220
December 1							
2017	330	240	245	255	1,070	120	1,190
2018	320	280	210	250	1,060	120	1,180
2019	340	310	220	250	1,120	120	1,240
2020	360	330	245	245	1,180	120	1,300
2021 <sup>1</sup>							

<sup>1</sup> Published in December 2021.



**Hogs and pigs: Sows farrowing and pig crop, 2016-2021**

Year	December-February <sup>1</sup>			March-May		
	Sows farrowing	Pigs per litter	Pig crop	Sows farrowing	Pigs per litter	Pig crop
	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>
2017	50	10.40	520	51	10.50	536
2018	53	10.70	567	52	10.90	567
2019	56	10.90	610	54	11.00	594
2020	57	11.10	633	54	10.60	572
2021	52	10.90	567	51	10.70	546
	June-August			September-November		
2017	54	10.80	583	53	10.90	578
2018	57	10.80	616	54	10.50	567
2019	55	11.10	611	56	10.85	608
2020	54	11.40	616	56	11.50	644
2021	51	10.80	551	53		

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

**Hogs and pigs: Balance sheet, 2016-2020**

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings <sup>1</sup>	Farm slaughter <sup>2</sup>	Deaths	Number on hand December 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
2016	1,120	2,089	300	2,305	2	72	1,130
2017	1,130	2,217	540	2,622	2	73	1,190
2018	1,190	2,317	183	2,437	2	71	1,180
2019	1,180	2,423	198	2,476	2	83	1,240
2020	1,240	2,465	225	2,525	2	103	1,300

<sup>1</sup> Includes custom slaughter and state outshipments but excludes sales within Michigan.

<sup>2</sup> Excludes custom slaughter for farmers at commercial establishments.

**Hogs and pigs: Production and income, 2016-2020**

Year	Production <sup>1</sup>	Marketings <sup>2</sup>	Value of production	Cash receipts <sup>3</sup>	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2016	588,788	595,869	294,849	305,088	578	305,666
2017	679,854	681,900	358,720	373,227	607	373,834
2018	612,414	618,170	316,357	323,414	590	324,004
2019	706,568	705,984	360,657	360,052	576	360,628
2020	721,659	721,534	346,046	349,944	534	350,478

<sup>1</sup> Adjustments made for changes in inventory and for inshipments.

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

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

# Honey

**Honey: Production and value, 2016-2020 <sup>1</sup>**

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 <sup>2</sup>
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
2016	89	60	5,340	237	12,656	1,709
2017	87	45	3,915	242	9,474	822
2018	97	44	4,268	249	10,627	768
2019	94	50	4,700	256	12,032	1,363
2020	95	47	4,465	270	12,056	1,384

<sup>1</sup> Includes only producers with 5 or more colonies.

<sup>2</sup> Stocks held by producers.

# Mink

**Mink: Farms, pelts produced and females bred to produce kits, 2017-2021**

Year	2017	2018	2019	2020	2021
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Pelts produced	78,340	63,200	65,020		( <sup>1</sup> )
Females bred to produce kits	19,900	17,180	17,340	1,270	

<sup>1</sup> Published in July 2022.

# Poultry

## Chickens: Layers on hand, December 1, 2016-2020

Class	2016	2017	2018	2019	2020
	<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	14,193	14,737	16,149	15,076	14,618
Pullets not of laying age	3,937	3,655	3,476	3,835	3,859
Other chickens	3	4	4	3	3
All chickens (excluding broilers)	18,133	18,396	19,629	18,914	18,480

## All eggs: Production and value, 2016-2020 <sup>1</sup>

Year	Eggs produced	Value of production
	<i>Million</i>	<i>1,000 dollars</i>
2016	3,964	163,234
2017	4,226	220,431
2018	4,548	364,078
2019	4,517	196,213
2020	4,331	230,751

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

## All egg production, by month, 2016-2020

Month	2016	2017	2018	2019	2020
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	329	361	369	407	375
January	331	347	365	403	360
February	318	319	343	357	334
March	345	366	394	404	363
April	333	355	383	384	354
May	335	355	388	393	359
June	320	337	368	377	347
July	332	360	382	370	365
August	325	363	394	355	365
September	312	346	381	334	357
October	337	359	391	363	383
November	346	358	389	370	369
Total <sup>1</sup>	3,964	4,226	4,548	4,517	4,331

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

**All layers: Average number on hand during the month, 2016-2020**

Month	2016	2017	2018	2019	2020
	<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	13,138	14,109	14,747	16,150	15,091
January	13,208	14,079	14,857	16,140	14,784
February	13,383	14,331	15,301	16,157	14,380
March	13,313	14,375	15,554	16,257	14,472
April	13,130	14,286	15,249	16,172	14,430
May	12,954	14,338	15,074	15,767	14,159
June	13,109	14,326	15,157	15,210	14,429
July	13,336	14,335	15,262	14,637	14,778
August	13,225	14,125	15,671	14,109	14,644
September	13,369	14,041	15,926	13,986	14,542
October	13,961	14,320	15,845	14,483	14,769
November	14,238	14,601	16,003	14,959	14,771
Annual <sup>1</sup>	13,364	14,272	15,387	15,336	14,603

<sup>1</sup> December 1 previous year through November 30. Average of months may not equal annual average due to rounding.

**Turkeys: Number raised and production, 2016-2020 <sup>1</sup>**

Year	Number produced	Pounds produced	Value of production
	<i>Thousand birds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
2016	5,400	216,540	178,862
2017	5,100	206,040	133,102
2018	5,200	217,880	111,119
2019	5,400	237,060	137,258
2020	5,200	232,440	164,800

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

## Sheep and Goats

**Sheep and lambs: Number on farms by class, January 1, 2017-2021**

Class	2017	2018	2019	2020	2021
	<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	44	41	45	45	47
Rams	3	3	3	3	4
Replacement lambs	14	13	14	12	12
Total market sheep and lambs	24	23	24	25	24
All sheep and lambs	85	80	86	85	87

**Sheep and lambs: Lamb  
crop, 2016-2020**

Year	Breeding ewes <sup>1</sup>	Lambs per 100 ewes <sup>1</sup>	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
2016	42	119	50
2017	44	111	49
2018	41	122	50
2019	45	120	54
2020	45	124	56

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



**Sheep and lambs: Wool production and value, 2016-2020**

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>
2016	68	6.0	405	71	288
2017	59	5.8	345	60	207
2018	55	5.9	325	65	211
2019	61	6.1	375	68	255
2020	61	5.9	360	54	194

**Milk goats: Number, January 1, 2017-2021**

Year	Milk
	<i>Head</i>
2017	12,500
2018	11,000
2019	12,000
2020	12,000
2021	12,500

## Trout

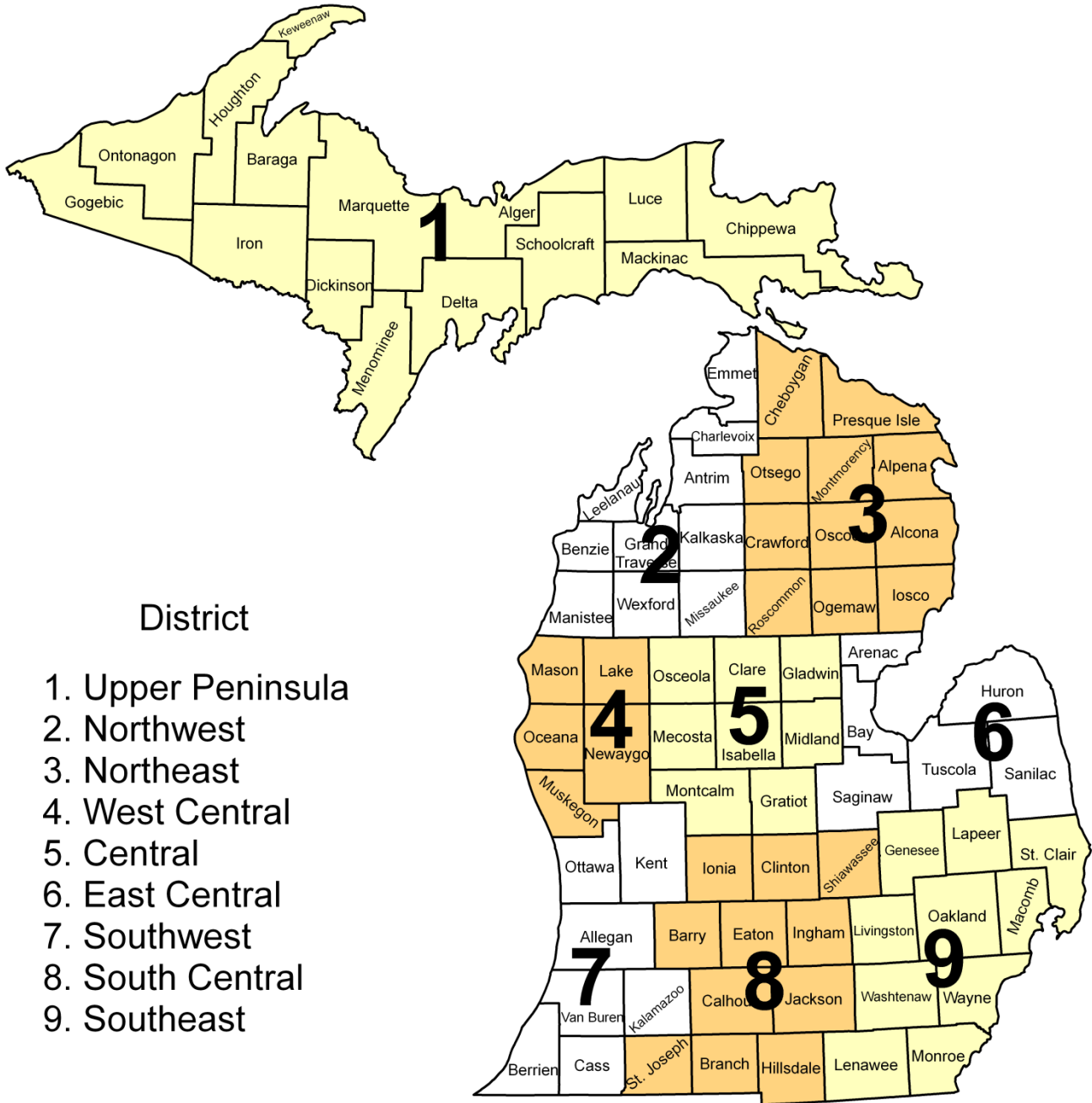
**Trout: Value of fish sold and distributed, 2016-2020**

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>
2016	1,402	5,106	193	34
2017	1,492	4,667	79	39
2018	1,588	2,565	152	39
2019	1,636	4,145	157	76
2020	1,780	4,505	(D)	(D)

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

# 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.



- District
1. Upper Peninsula
  2. Northwest
  3. Northeast
  4. West Central
  5. Central
  6. East Central
  7. Southwest
  8. South Central
  9. Southeast

**Principal counties for field crops, 2020 <sup>1</sup>**

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

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

<sup>2</sup> Based on 2017 Census of Agriculture

<sup>3</sup> 2018—Discontinued for 2019

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

Rank	January 1, 2021 Cattle and calves	Hogs and pigs <sup>2</sup>	January 1, 2021 Milk cows
1	Huron	Allegan	Huron
2	Sanilac	Cass	Clinton
3	Clinton	Mecosta	Sanilac
4	Gratiot	Kalamazoo	Allegan
5	Allegan	Ionia	Gratiot

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

<sup>2</sup> Based on 2017 Census of Agriculture

**Principal counties for fruits and vegetables, 2017 <sup>1</sup>**

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

<sup>1</sup> Based on acres from 2017 Census of Agriculture.

**Corn: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup>**

County and district	2019				2020			
	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	2,500	1,500	116.7	175	2,500	2,130	148.8	317
Dickinson	(D)	(D)	(D)	(D)	1,200	920	152.5	140
Menominee	12,500	4,100	73.2	300	16,000	8,300	134.5	1,116
Other counties	3,000	1,400	117.9	165				
<b>Upper Peninsula <sup>2</sup></b>	18,000	7,000	91.4	640				
Antrim	(D)	(D)	(D)	(D)	2,300	1,180	116.1	137
Benzie	1,000	600	91.7	55	1,200	1,010	140.4	142
Charlevoix	(D)	(D)	(D)	(D)	2,000	1,640	123.8	203
Emmet	800	200	100.0	20	900	470	121.5	57
Grand Traverse	6,400	4,000	145.0	580	6,200	5,270	114.0	601
Leelanau	2,200	1,900	121.1	230	2,400	2,020	113.4	229
Manistee	3,700	2,100	119.0	250	4,200	3,690	120.9	446
Missaukee	22,400	2,300	152.2	350	(D)	(D)	(D)	(D)
Wexford	(D)	(D)	(D)	(D)	6,200	4,800	101.5	487
Other counties	10,500	5,900	116.1	685				
<b>Northwest <sup>2</sup></b>	47,000	17,000	127.6	2,170				
Alcona	(D)	(D)	(D)	(D)	2,400	1,950	133.8	261
Alpena	6,400	4,200	131.0	550	6,200	4,760	122.7	584
Iosco	5,700	3,800	117.1	445	6,100	4,560	129.4	590
Montmorency	1,400	1,000	115.0	115	(D)	(D)	(D)	(D)
Ogemaw	13,500	8,900	151.7	1,350	12,700	10,600	147.4	1,562
Otsego	1,300	1,100	127.3	140	1,000	780	116.2	91
Presque Isle	5,600	4,100	126.8	520	5,800	5,100	120.8	616
Other counties	4,100	2,900	110.3	320				
<b>Northeast <sup>2</sup></b>	38,000	26,000	132.3	3,440				
Mason	13,700	11,000	153.6	1,690	14,700	12,600	151.9	1,914
Muskegon	(D)	(D)	(D)	(D)	15,100	11,600	139.3	1,616
Newaygo	21,800	9,200	137.0	1,260	21,200	13,600	142.7	1,941
Oceana	12,900	10,100	142.6	1,440	13,200	11,600	131.4	1,524
Other counties	13,600	9,700	137.1	1,330				
<b>West Central <sup>2</sup></b>	62,000	40,000	143.0	5,720				
Gladwin	(D)	(D)	(D)	(D)	7,700	6,360	136.5	868
Isabella	41,000	31,500	139.7	4,400	43,100	35,000	134.1	4,694
Mecosta	23,500	19,500	135.4	2,640	21,600	17,900	119.5	2,139
Midland	(D)	(D)	(D)	(D)	23,200	19,400	152.8	2,964
Montcalm	63,000	53,000	143.6	7,610	66,300	58,100	160.3	9,313
Other counties	132,500	96,000	143.2	13,750				
<b>Central <sup>2</sup></b>	260,000	200,000	142.0	28,400				
Arenac	18,000	15,000	133.3	2,000	16,900	14,700	138.6	2,037
Bay	50,000	47,000	144.7	6,800	51,200	46,800	161.3	7,549
Huron	102,000	70,000	172.9	12,100	100,000	76,000	186.7	14,190
Saginaw	76,000	73,000	154.1	11,250	91,200	85,000	163.5	13,898
Sanilac	100,000	74,000	160.1	11,850	109,000	86,200	181.3	15,625
Tuscola	74,000	66,000	162.1	10,700	76,500	68,600	169.5	11,625
<b>East Central <sup>2</sup></b>	420,000	345,000	158.6	54,700				

See footnote(s) at end of table.

--continued

**Corn: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup> (continued)**

County and district	2019				2020			
	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	66,000	50,000	134.0	6,700	78,900	67,400	149.6	10,083
Berrien	(D)	(D)	(D)	(D)	48,900	48,100	163.4	7,861
Cass	70,000	69,500	143.3	9,960	68,200	63,600	148.5	9,445
Kalamazoo	54,000	50,000	138.4	6,920	54,700	50,700	142.6	7,231
Kent	37,000	29,500	150.5	4,440	38,400	32,400	159.6	5,171
Ottawa	(D)	(D)	(D)	(D)	41,200	30,100	148.0	4,455
Van Buren	(D)	(D)	(D)	(D)	52,000	46,200	151.8	7,013
Other counties	128,000	111,000	140.4	15,580				
<b>Southwest <sup>2</sup></b>	355,000	310,000	140.6	43,600				
Barry	35,000	24,000	132.1	3,170	41,400	33,900	154.0	5,221
Branch	81,000	76,000	157.9	12,000	83,100	76,800	161.0	12,361
Calhoun	77,000	71,000	134.9	9,580	83,100	76,800	141.0	10,829
Clinton	(D)	(D)	(D)	(D)	78,200	54,900	147.1	8,076
Eaton	32,000	30,000	139.0	4,170	56,400	51,100	148.4	7,583
Hillsdale	50,000	42,000	161.0	6,760	70,500	60,800	157.7	9,588
Ingham	48,000	38,500	148.3	5,710	54,800	46,700	149.0	6,958
Ionia	73,000	52,000	161.7	8,410	78,500	60,500	148.5	8,984
Jackson	56,000	51,000	155.9	7,950	60,300	52,600	140.1	7,369
St Joseph	(D)	(D)	(D)	(D)	78,000	72,900	137.9	10,056
Shiawassee	40,000	34,000	145.3	4,940	53,500	46,500	156.0	7,254
Other counties	123,000	96,500	121.3	11,710				
<b>South Central <sup>2</sup></b>	615,000	515,000	144.5	74,400				
Genesee	17,000	15,500	138.7	2,150	27,300	24,800	158.6	3,933
Lapeer	30,500	25,000	146.8	3,670	40,400	35,200	164.7	5,798
Lenawee	48,000	31,000	172.3	5,340	107,000	92,600	159.2	14,740
Livingston	15,000	12,500	148.0	1,850	19,900	17,400	159.3	2,772
Macomb	6,500	5,400	160.2	865	10,200	8,820	155.7	1,373
Monroe	24,500	23,000	178.7	4,110	61,200	59,000	148.3	8,750
Oakland	2,400	2,100	133.3	280	2,200	1,920	141.1	271
St Clair	18,000	16,000	146.3	2,340	26,500	23,100	171.3	3,957
Washtenaw	22,500	19,000	154.2	2,930	35,800	32,300	143.6	4,638
Wayne	600	500	130.0	65	1,300	1,240	132.4	164
<b>Southeast <sup>2</sup></b>	185,000	150,000	157.3	23,600				
Other counties					147,900	98,980	152.1	15,050
<b>Michigan</b>	2,000,000	1,610,000	147.0	236,670	2,350,000	1,990,000	153.0	304,470

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

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

<sup>2</sup> District estimates were discontinued in 2020.

**Oats: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup>**

County and district	2019				2020			
	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	(D)	(D)	(D)	(D)	1,200	680	45.0	30.6
Delta	(D)	(D)	(D)	(D)	1,200	690	62.0	42.8
Dickinson	900	200	35.5	7.1	600	290	48.3	14.0
Menominee	1,900	500	42.8	21.4	(D)	(D)	(D)	(D)
Other counties	5,200	2,300	46.7	107.5				
<b>Upper Peninsula <sup>2</sup></b>	<b>8,000</b>	<b>3,000</b>	<b>45.3</b>	<b>136.0</b>				
Charlevoix	800	300	69.0	20.7	(D)	(D)	(D)	(D)
Emmet	(D)	(D)	(D)	(D)	500	250	34.4	8.6
Grand Traverse	2,700	1,000	51.6	51.6	2,500	1,150	48.7	56.0
Leelanau	700	200	68.0	13.6	300	150	56.0	8.4
Wexford	700	200	49.5	9.9	600	140	42.9	6.0
Other counties	3,300	800	55.3	44.2				
<b>Northwest <sup>2</sup></b>	<b>8,200</b>	<b>2,500</b>	<b>56.0</b>	<b>140.0</b>				
Alpena	2,200	1,000	50.6	50.6	(D)	(D)	(D)	(D)
Iosco	1,200	700	64.6	45.2	1,000	390	66.4	25.9
Montmorency	(D)	(D)	(D)	(D)	700	340	51.5	17.5
Otsego	1,200	700	62.0	43.4	1,000	500	46.4	23.2
Presque Isle	3,400	1,400	51.0	71.4	3,200	1,540	49.6	76.4
Other counties	3,500	1,700	63.2	107.4				
<b>Northeast <sup>2</sup></b>	<b>11,500</b>	<b>5,500</b>	<b>57.8</b>	<b>318.0</b>				
Mason	2,600	1,400	60.7	85.0	3,500	1,650	67.9	112.0
Muskegon	600	300	70.0	21.0	900	500	51.4	25.7
Newaygo	(D)	(D)	(D)	(D)	1,400	670	42.4	28.4
Oceana	1,200	600	51.7	31.0	1,400	640	43.4	27.8
Other counties	1,200	700	40.0	28.0				
<b>West Central /2</b>	<b>5,600</b>	<b>3,000</b>	<b>55.0</b>	<b>165.0</b>				
Clare	800	300	56.7	17.0	1,100	510	53.9	27.5
Gladwin	1,000	500	56.2	28.1	900	630	47.9	30.2
Isabella	2,600	800	51.3	41.0	2,200	810	62.3	50.5
Mecosta	1,900	900	48.3	43.5	2,200	1,090	35.7	38.9
Montcalm	3,000	600	52.3	31.4	2,400	840	46.1	38.7
Osceola	1,200	300	50.7	15.2	1,400	590	35.8	21.1
Other counties	1,300	200	69.0	13.8				
<b>Central <sup>2</sup></b>	<b>11,800</b>	<b>3,600</b>	<b>52.8</b>	<b>190.0</b>				

See footnote(s) at end of table.

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**Oats: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup> (continued)**

County and district	2019				2020			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Huron	2,200	900	88.9	80.0	2,500	1,210	84.3	102.0
Saginaw	2,500	900	38.9	35.0	1,500	300	70.7	21.2
Sanilac	(D)	(D)	(D)	(D)	3,000	500	83.8	41.9
Tuscola	1,500	500	96.0	48.0	1,000	380	93.4	35.5
Other counties	4,000	700	65.7	46.0				
<b>East Central <sup>2</sup></b>	10,200	3,000	69.7	209.0				
Allegan	800	100	63.0	6.3	(D)	(D)	(D)	(D)
Kent	1,200	600	59.2	35.5	1,600	730	49.0	35.8
Ottawa	800	200	41.0	8.2	800	280	61.1	17.1
Other counties	1,100	300	76.7	23.0				
<b>Southwest <sup>2</sup></b>	3,900	1,200	60.8	73.0				
Calhoun	(D)	(D)	(D)	(D)	500	270	58.9	15.9
Clinton	500	100	76.0	7.6	1,100	460	86.7	39.9
Hillsdale	2,200	500	62.4	31.2	1,000	100	62.0	6.2
Ionia	700	200	92.5	18.5	1,000	590	54.6	32.2
Jackson	500	200	40.0	8.0	500	210	51.0	10.7
Shiawassee	(D)	(D)	(D)	(D)	1,200	690	86.5	59.7
Other counties	2,900	1,200	63.9	76.7				
<b>South Central <sup>2</sup></b>	6,800	2,200	64.5	142.0				
Lapeer	500	200	42.0	8.4	800	370	77.8	28.8
Lenawee	(D)	(D)	(D)	(D)	400	150	36.0	5.4
St Clair	(D)	(D)	(D)	(D)	400	220	73.6	16.2
Washtenaw	800	300	50.0	15.0	(D)	(D)	(D)	(D)
Other counties	2,700	500	57.2	28.6				
<b>Southeast <sup>2</sup></b>	4,000	1,000	52.0	52.0				
Other counties					22,500	9,490	49.7	471.3
<b>Michigan</b>	70,000	25,000	57.0	1,425.0	70,000	30,000	55.0	1,650.0

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

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

<sup>2</sup> District estimates were discontinued in 2020.

**Soybeans: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup>**

County and district	2019				2020			
	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>
Alcona	1,300	1,300	35.0	46	1,800	1,800	43.2	78
Alpena	9,700	9,400	31.4	295	9,400	9,330	41.5	387
Iosco	3,400	3,300	41.2	136	3,500	3,490	36.1	126
Montmorency	3,500	3,400	30.3	103	3,000	2,990	43.8	131
Ogemaw	4,500	4,400	43.4	191	5,200	5,180	45.4	235
Presque Isle	7,800	6,900	27.0	186	7,700	7,680	35.2	270
Other counties	1,300	1,300	33.5	44				
<b>Northeast <sup>2</sup></b>	31,500	30,000	33.3	1,000				
Mason	5,500	5,400	41.7	225	7,400	7,360	41.6	306
Muskegon	5,900	5,500	39.8	219	6,700	6,630	41.5	275
Newaygo	4,700	4,500	35.6	160	7,500	7,240	40.9	296
Oceana	(D)	(D)	(D)	(D)	4,900	4,830	38.3	185
Other counties	3,900	3,600	41.9	151				
<b>West Central <sup>2</sup></b>	20,000	19,000	39.7	755				
Gladwin	(D)	(D)	(D)	(D)	12,300	12,200	46.3	565
Isabella	51,800	51,500	41.8	2,155	61,900	61,700	47.8	2,949
Mecosta	6,500	6,100	34.4	210	6,900	6,790	41.7	283
Midland	22,900	22,800	39.3	895	27,300	27,200	45.7	1,243
Montcalm	24,800	24,400	35.0	855	27,700	27,600	46.0	1,270
Osceola	1,300	1,200	45.0	54	(D)	(D)	(D)	(D)
Other counties	93,700	93,000	41.2	3,831				
<b>Central <sup>2</sup></b>	201,000	199,000	40.2	8,000				
Arenac	(D)	(D)	(D)	(D)	19,900	19,800	42.2	835
Bay	(D)	(D)	(D)	(D)	52,300	52,100	49.2	2,563
Huron	61,000	60,500	43.5	2,632	52,000	51,300	57.6	2,955
Saginaw	86,200	85,500	41.1	3,510	118,500	118,100	50.8	5,999
Sanilac	108,500	107,000	39.8	4,260	123,000	122,500	52.5	6,434
Tuscola	73,500	72,500	42.9	3,112	67,900	67,600	51.1	3,454
Other counties	69,800	68,500	32.9	2,256				
<b>East Central <sup>2</sup></b>	399,000	394,000	40.0	15,770				
Allegan	34,700	33,600	40.8	1,371	42,500	42,400	43.5	1,844
Berrien	(D)	(D)	(D)	(D)	48,500	48,400	46.3	2,241
Cass	47,000	46,500	45.9	2,135	50,500	50,300	46.2	2,324
Kalamazoo	29,800	29,000	45.9	1,332	32,000	31,900	49.5	1,580
Kent	22,000	21,000	44.4	932	26,800	26,700	47.2	1,260
Ottawa	17,300	16,800	42.1	708	24,200	24,000	44.9	1,078
Van Buren	(D)	(D)	(D)	(D)	24,300	24,100	46.5	1,121
Other counties	57,200	55,100	36.8	2,025				
<b>Southwest <sup>2</sup></b>	208,000	202,000	42.1	8,503				
Barry	(D)	(D)	(D)	(D)	34,100	34,000	45.4	1,544
Branch	61,000	60,000	48.2	2,890	75,200	74,800	46.2	3,456
Calhoun	66,500	65,500	35.8	2,345	74,300	73,900	42.2	3,119
Clinton	51,000	48,900	38.7	1,890	68,700	68,400	44.9	3,071
Eaton	52,800	52,000	33.9	1,765	78,000	77,700	45.5	3,535
Hillsdale	61,500	60,000	41.3	2,480	79,500	79,100	48.7	3,852
Ingham	44,700	44,000	39.3	1,730	56,300	56,000	44.8	2,509
Ionia	55,700	54,900	45.7	2,508	66,900	66,600	46.3	3,084
Jackson	40,500	39,800	39.5	1,573	46,800	46,700	40.4	1,887
St Joseph	(D)	(D)	(D)	(D)	59,500	59,300	52.6	3,119
Shiawassee	70,000	68,000	34.6	2,351	100,500	100,100	49.4	4,945
<b>South Central <sup>2</sup></b>	585,000	571,000	40.5	23,100				

See footnote(s) at end of table.

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**Soybeans: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup> (continued)**

County and district	2019				2020			
	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	27,000	26,500	30.8	817	45,100	44,900	43.9	1,971
Lapeer	33,800	31,200	33.5	1,045	46,300	46,100	48.8	2,250
Lenawee	88,000	85,500	45.6	3,900	130,000	129,900	46.5	6,041
Livingston	(D)	(D)	(D)	(D)	18,400	18,300	47.2	864
Macomb	14,000	13,700	37.7	516	28,400	28,000	46.5	1,302
Monroe	57,500	55,500	48.6	2,700	83,200	83,100	41.7	3,465
Oakland	2,600	2,500	34.4	86	4,600	4,580	36.0	165
St Clair	40,000	39,400	35.0	1,380	67,400	67,200	47.1	3,165
Washtenaw	30,300	29,500	42.7	1,260	51,200	51,000	40.9	2,086
Wayne	(D)	(D)	(D)	(D)	4,100	3,900	37.2	145
Other counties	16,800	16,200	40.8	661				
<b>Southeast <sup>2</sup></b>	310,000	300,000	41.2	12,365				
<b>Other districts</b>	5,500	5,000	33.4	167				
Other counties					105,900	105,200	48.2	5,068
<b>Michigan</b>	1,760,000	1,720,000	40.5	69,660	2,200,000	2,190,000	48.0	105,120

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

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

<sup>2</sup> District estimates were discontinued in 2020.

**Wheat: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup>**

County and district	2019				2020			
	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>
Grand Traverse	(D)	(D)	(D)	(D)	1,200	1,100	45.8	50
Manistee	(D)	(D)	(D)	(D)	200	100	46.0	5
Missaukee	(D)	(D)	(D)	(D)	1,100	1,000	49.9	50
<b>Northwest <sup>2</sup></b>	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Iosco	(D)	(D)	(D)	(D)	700	600	60.8	37
Ogemaw	(D)	(D)	(D)	(D)	2,800	2,700	58.5	158
Otsego	(D)	(D)	(D)	(D)	1,200	1,100	52.9	58
Presque Isle	4,800	4,300	46.5	200	(D)	(D)	(D)	(D)
Other counties	9,200	7,400	55.0	407				
<b>Northeast <sup>2</sup></b>	14,000	11,700	51.9	607				
Mason	4,200	3,700	59.7	221	1,700	1,600	54.8	88
Muskegon	(D)	(D)	(D)	(D)	3,000	1,400	47.1	66
Newaygo	3,000	2,600	61.5	160	2,400	2,200	55.5	122
Oceana	3,100	2,900	53.8	156	2,400	2,200	48.6	107
Other counties	2,200	1,900	51.6	98				
<b>West Central <sup>2</sup></b>	12,500	11,100	57.2	635				
Clare	1,000	600	56.7	34	(D)	(D)	(D)	(D)
Gladwin	1,700	1,200	34.6	42	1,000	900	60.6	55
Gratiot	21,100	18,100	70.7	1,280	12,900	11,500	64.1	737
Isabella	14,400	11,800	70.3	830	8,000	7,000	71.0	497
Mecosta	2,900	2,600	60.8	158	1,700	1,600	59.7	96
Midland	4,300	3,200	77.2	247	2,200	1,500	67.3	101
Montcalm	(D)	(D)	(D)	(D)	11,000	9,000	56.0	504
Osceola	(D)	(D)	(D)	(D)	1,100	1,000	64.4	64
Other counties	18,600	17,200	63.4	1,091				
<b>Central <sup>2</sup></b>	64,000	54,700	67.3	3,681				

See footnote(s) at end of table.

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**Wheat: Acreage, yield, and production, by county, 2019-2020 <sup>1</sup> (continued)**

County and district	2019				2020			
	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	6,900	5,000	70.0	350	5,600	5,100	72.0	367
Bay	14,500	12,900	79.0	1,019	13,500	12,500	80.2	1,003
Huron	77,000	70,000	88.9	6,220	69,000	65,000	94.7	6,153
Saginaw	23,100	20,300	76.5	1,553	16,200	14,400	74.9	1,079
Sanilac	52,500	48,800	77.2	3,768	50,000	47,500	91.1	4,327
Tuscola	35,000	29,000	81.4	2,362	30,000	28,000	85.5	2,394
<b>East Central <sup>2</sup></b>	209,000	186,000	82.1	15,272				
Allegan	6,200	3,800	64.2	244	3,600	3,400	62.9	214
Berrien	1,700	1,600	67.5	108	(D)	(D)	(D)	(D)
Kalamazoo	2,900	2,700	69.3	187	3,400	3,200	66.9	214
Kent	5,500	5,400	61.9	334	2,800	2,600	51.2	133
Ottawa	(D)	(D)	(D)	(D)	1,600	1,500	57.5	86
Other counties	8,700	7,400	61.4	454				
<b>Southwest <sup>2</sup></b>	25,000	20,900	63.5	1,327				
Barry	(D)	(D)	(D)	(D)	6,000	5,500	52.5	289
Branch	(D)	(D)	(D)	(D)	3,600	3,300	61.8	204
Calhoun	5,600	5,400	63.5	343	4,800	4,400	56.8	250
Clinton	23,100	22,200	69.4	1,540	20,000	18,500	73.9	1,367
Eaton	14,800	13,800	59.3	818	15,000	14,200	66.8	949
Hillsdale	10,000	9,500	58.6	557	12,500	11,700	68.1	797
Ingham	14,000	13,600	72.1	980	14,200	13,200	70.8	935
Ionia	13,500	13,000	71.8	933	11,000	10,400	74.1	771
Jackson	7,400	7,300	64.5	471	7,800	7,400	64.9	480
St Joseph	(D)	(D)	(D)	(D)	5,000	3,400	68.5	233
Shiawassee	20,500	16,900	69.1	1,167	20,000	18,100	74.9	1,356
Other counties	12,100	11,500	60.0	690				
<b>South Central <sup>2</sup></b>	121,000	113,200	66.2	7,499				
Genesee	5,800	5,300	59.8	317	6,900	5,600	68.0	381
Lapeer	6,200	5,700	56.3	321	6,800	6,300	71.1	448
Lenawee	30,500	26,900	65.2	1,754	31,000	29,000	71.2	2,065
Livingston	5,600	5,400	58.1	314	6,800	6,300	67.5	425
Macomb	2,100	1,900	71.6	136	3,300	3,000	73.7	221
Monroe	20,900	19,000	62.2	1,181	17,500	16,100	71.5	1,151
Oakland	(D)	(D)	(D)	(D)	900	900	67.3	61
St Clair	11,100	9,200	66.2	609	12,000	11,400	72.9	831
Washtenaw	12,000	11,700	64.3	752	12,500	11,700	65.7	769
Other counties	1,300	1,100	50.9	56				
<b>Southeast <sup>2</sup></b>	95,500	86,200	63.1	5,440				
<b>Other districts</b>	9,000	6,200	53.1	329				
Other counties					22,100	19,900	50.4	1,004
<b>Michigan</b>	550,000	490,000	71.0	34,790	490,000	450,000	75.0	33,750

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

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

<sup>2</sup> District estimates were discontinued in 2020.

**Cattle: January 1, by county, 2020-2021**

County	All cattle and calves		Milk cows		County	All cattle and calves		Milk cows	
	2020	2021	2020	2021		2020	2021	2020	2021
	<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	4,400	4,400	1,500	1,500	Manistee	1,800	1,800	(D)	(D)
Alger	2,000	2,000	500	500	Marquette	1,500	1,500	500	500
Allegan	51,000	50,000	23,000	23,500	Mason	9,800	9,700	2,800	2,900
Alpena	9,000	8,900	3,500	3,600	Mecosta	16,100	15,900	5,200	5,400
Antrim	4,500	4,500	(D)	(D)	Menominee	17,700	17,500	7,500	7,700
Arenac	8,300	8,200	3,500	3,600	Midland	7,300	7,200	(D)	(D)
Baraga	(D)	(D)			Missaukee	31,500	31,000	17,200	17,900
Barry	31,500	31,500	15,500	16,000	Monroe	3,700	3,700	700	700
Bay	5,300	5,200	1,800	1,900	Montcalm	26,000	25,500	10,900	11,200
Benzie	1,100	1,100			Montmorency	2,200	2,200	700	700
					Muskegon	13,300	13,100	6,500	6,700
Berrien	4,400	4,400	1,200	1,200					
Branch	12,200	12,200	3,900	4,000	Newaygo	27,500	27,000	13,900	14,300
Calhoun	13,900	13,900	4,900	5,000	Oakland	(D)	(D)	(D)	(D)
Cass	4,500	4,500	600	600	Oceana	8,500	8,400	3,200	3,300
Charlevoix	3,300	3,300	800	900	Ogemaw	16,500	16,000	7,400	7,600
Cheboygan	5,500	5,500	900	900	Ontonagon	1,900	1,900	(D)	(D)
Chippewa	6,500	6,400	800	800	Osceola	19,300	19,100	7,000	7,200
Clare	9,300	9,200	2,900	3,000	Oscoda	3,700	3,700	1,200	1,200
Clinton	62,000	61,000	31,500	32,500	Otsego	1,300	1,300	(D)	(D)
Crawford	(D)	(D)			Ottawa	41,500	41,000	14,900	15,400
Delta	7,000	6,900	1,700	1,800	Presque Isle	5,100	5,100	1,300	1,300
Dickinson	2,700	2,700	500	500	Roscommon	(D)	(D)		
Eaton	12,100	12,100	2,200	2,300	Saginaw	8,000	7,900	2,900	3,000
Emmet	3,800	3,800	300	300	Sanilac	69,000	68,000	27,500	28,500
Genesee	5,800	5,800	1,500	1,500	Schoolcraft	(D)	(D)	(D)	(D)
Gladwin	6,200	6,200	1,100	1,100	Shiawassee	17,700	17,700	6,300	6,500
Gogebic	(D)	(D)			Tuscola	22,000	21,500	7,100	7,300
Grand Traverse	3,100	3,100	200	200	Van Buren	12,700	12,700	6,100	6,300
Gratiot	52,000	51,000	21,500	22,000					
Hillsdale	26,000	26,000	11,600	12,000	Washtenaw	9,800	9,800	2,300	2,400
					Wayne	200	200		
Houghton	1,600	1,600	400	500	Wexford	3,500	3,500	1,000	1,000
Huron	145,000	145,000	46,500	48,000					
Ingham	15,700	15,700	5,900	6,100	Other counties	4,700	4,700	6,000	6,200
Ionia	48,500	48,000	19,200	19,800					
Iosco	6,900	6,900	2,200	2,300	<b>Michigan</b>	<b>1,150,000</b>	<b>1,140,000</b>	<b>427,000</b>	<b>440,000</b>
Iron	1,200	1,200							
Isabella	24,500	24,500	8,100	8,300					
Jackson	15,200	15,200	3,400	3,500					
Kalamazoo	12,700	12,500	6,100	6,300					
Kalkaska	700	700	(D)	(D)					
Kent	28,000	28,000	9,000	9,300					
Keweenaw	(D)	(D)							
Lake	2,000	2,000	(D)	(D)					
Lapeer	15,200	15,200	3,400	3,500					
Leelanau	2,100	2,100	200	200					
Lenawee	33,500	33,000	14,100	14,500					
Livingston	7,300	7,300	2,000	2,100					
Luce	(D)	(D)							
Mackinac	3,000	3,000	900	900					
Macomb	4,900	4,900	700	700					

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

# Useful Agriculture Internet Sites

## State and Federal Agencies

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

## Commodity Groups

Apples-Michigan Apple Committee	<a href="http://www.michiganapples.com">www.michiganapples.com</a>
Asparagus-Michigan Asparagus	<a href="http://www.asparagus.org">www.asparagus.org</a>
Blueberries-The Blueberry People	<a href="http://www.blueberries.com">www.blueberries.com</a>
Cattle-Michigan Beef Industry Commission	<a href="http://www.mibeef.org">www.mibeef.org</a>
Celery-Michigan Celery	<a href="http://www.michigancelery.com">www.michigancelery.com</a>
Cherries-Cherry Industry Administrative Board (CIAB)	<a href="http://www.cherryboard.org">www.cherryboard.org</a>
Cherries-Cherry Marketing Institute	<a href="http://www.choosecherries.com">www.choosecherries.com</a>
Corn-Michigan Corn	<a href="http://www.micorn.org">www.micorn.org</a>
Dairy-Michigan Milk Producers Association (MMPA)	<a href="http://www.mimilk.com">www.mimilk.com</a>
Dairy-United Dairy Industry of MI	<a href="http://www.milkmeansmore.org">www.milkmeansmore.org</a>
Dry Beans-Michigan Bean Commission	<a href="http://www.michiganbean.org">www.michiganbean.org</a>
Dry Beans-Michigan Agri-Business Association (MABA)	<a href="http://www.miagbiz.org">www.miagbiz.org</a>
Equine-Michigan Equine Partnership	<a href="http://www.miequine.com">www.miequine.com</a>
Floriculture-Great Lakes Floral Association	<a href="http://www.greatlakesfloralassociation.org">www.greatlakesfloralassociation.org</a>
Horses-Michigan Horse Council	<a href="http://www.michiganhorsecouncil.com">www.michiganhorsecouncil.com</a>
Nursery-Michigan Nursery & Landscape Association (MNLA)	<a href="http://www.mnla.org">www.mnla.org</a>
Peaches-Michigan Peach Sponsors	<a href="http://www.michiganpeach.org">www.michiganpeach.org</a>
Pork-National Pork Producers Council (NPPC)	<a href="http://www.nppc.org">www.nppc.org</a>
Potatoes-Michigan Potato Industry Commission	<a href="http://www.mipotato.com">www.mipotato.com</a>
Soybeans-Michigan Soybean Committee	<a href="http://www.michigansoybean.org">www.michigansoybean.org</a>
Turfgrass-Michigan Turfgrass Foundation (MTF)	<a href="http://www.michiganturfgrass.org">www.michiganturfgrass.org</a>
Turkeys-Michigan Turkey Producers Co-op	<a href="http://www.miturkey.com">www.miturkey.com</a>

## Other Related Sites

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

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## INTERNET ACCESS

Reports, data products, and services published by the USDA, NASS, Michigan Field Office, Michigan Department of Agriculture and Rural Development, and National Agricultural Statistics Service of the United States Department of Agriculture are available on the Worldwide Web. There is no charge for connecting to these Internet addresses:

### USDA, NASS, Michigan Field Office

From the NASS home page, [www.nass.usda.gov](http://www.nass.usda.gov), click on the Statistics by State dropdown to access the Michigan Internet page.

On the Michigan Internet page, you will find up-to-date data such as Crop-Weather releases, News releases, *Agriculture Across Michigan*, and county estimates.

### National Agricultural Statistics Service (NASS)

NASS home page at: [www.nass.usda.gov](http://www.nass.usda.gov)

You can access national releases, 2017 Census of Agriculture data, and home pages of NASS Field Offices including Michigan from this web site. *Michigan Crop Weather* and national releases by free e-mail subscription are available from this site.

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## AUTOFAX ACCESS

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

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## PRINTED REPORTS OR DATA PRODUCTS

CALL OUR TOLL-FREE ORDER DESK: 1-800-999-6779 (U.S. and Canada)

Other areas, please call 1-703-605-6220 FAX: 1-703-605-6900

(Visa, MasterCard, check, or money order acceptable for payment).

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## ASSISTANCE

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