

Rank in U.S. agriculture by selected commodities, 2021

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
1	Beans, dry, black	Cwt	2,406	51.8	Michigan
	Beans, dry, cranberry	Cwt	31	11.8	Michigan
	Cherries, tart	Pounds	96,600	56.1	Michigan
	Geraniums, cuttings	Dollars	23,935	12.7	Michigan
	Begonias	Dollars	27,505	19.6	Michigan
	Impatients, other	Dollars	14,357	16.2	Michigan
	Marigolds	Dollars	8,922	12.1	Michigan
	Petunias	Dollars	41,783	17.8	Michigan
	Asparagus	Cwt	258	42.4	Michigan
	Hardy Chrysanthemums	Pots	10,330	16.5	Michigan
	Cucumbers	Cwt	4,563	31.7	Michigan
	Beans dry, navy	Cwt	1,825	51.6	Michigan
	Squash	Cwt	1,620	23.4	Michigan
Beans, dry, small red	Cwt	445	46.9	Michigan	
2	Beans, dry, all	Cwt	5,011	22.0	North Dakota
	New Guinea Impatients	Dollars	12,752	15.9	New York
	Vinca	Dollars	4,338	8.1	Texas
3	Snap beans	Cwt	1,530	10.1	Wisconsin
	Hostas	Pots	1,333	8.9	New Jersey
	Easter lilies	Pots	921	13.5	Ohio
	Apples	Pounds	656,000	6.7	Washington
	Pansies/Violas	Dollars	9,168	7.9	Texas
	Alfalfa haylage and greenchop	Tons	2,112	10.4	Wisconsin
4	Sugarbeets	Tons	5,311	14.4	Minnesota
	Beans, dry, light red kidney	Cwt	104	8.2	Minnesota
5	Blueberries	Pounds	72,900	10.9	Washington
	Maple syrup	Gallons	190	3.8	Vermont
	Pumpkins	Cwt	892	5.4	Illinois
6	Bell peppers	Cwt	420	4.2	California
	Cabbage	Cwt	1,748	8.3	California
	Milk	Pounds	11,952,000	5.3	California
7	Eggs	Eggs	4,541,900	4.1	Iowa
	Peaches	Tons	8.4	1.2	California
	Poinsettias	Pots	2,620	5.5	California
	Potatoes	Cwt	19,530	4.8	Idaho
	Corn Silage	Tons	6,970	5.3	Wisconsin
8	Honey	Pounds	5,151	4.1	North Dakota
9	Winter wheat	Bushels	45,360	3.6	Kansas
11	Milk goats, January 1, 2022	Head	11.5	2.8	Wisconsin
	Turkeys, raised	Head	5,000	2.3	Minnesota
12	Corn for grain	Bushels	346,260	2.3	Iowa
13	Oats	Bushels	1,260	3.2	Minnesota
	Hogs, December 1, 2021	Head	1,160	1.6	Iowa
14	Soybeans	Bushels	109,140	2.5	Illinois
	Hay, alfalfa	Tons	1,736	3.5	Idaho
17	Sheep, January 1, 2022	Head	87	1.7	Texas
	Cash receipts	Dollars	9,359,327	2.2	California
28	Cattle, January 1, 2022	Head	1,120	1.2	Texas

Farm Economics

Number of farms and land in farms by economic sales class, 2017-2021 ¹

Year	Economic sales class					Total	Average size of farm
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000+		
	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	
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	
2021	23.70	13.90	3.15	2.15	3.10	46.00	
	<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>
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
2021	1.20	1.60	1.25	1.30	4.35	9.70	211

¹ 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, 2018-2022

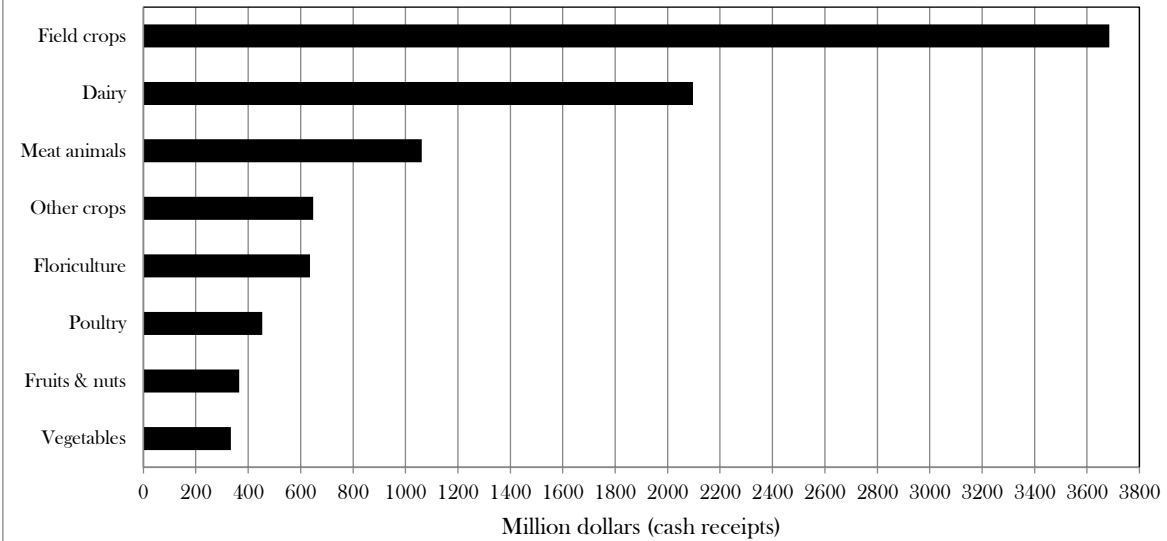
Year	Farm real estate average value per acre	Cropland		Pasture
		Average value per acre	Average cash rent per acre	Average value per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2018	4,960	4,510	123	2,600
2019	4,960	4,500	127	2,590
2020	4,950	4,480	128	2,600
2021	5,300	4,700	138	2,740
2022	5,850	5,300	144	2,900

Government payments, 2017-2021 ¹

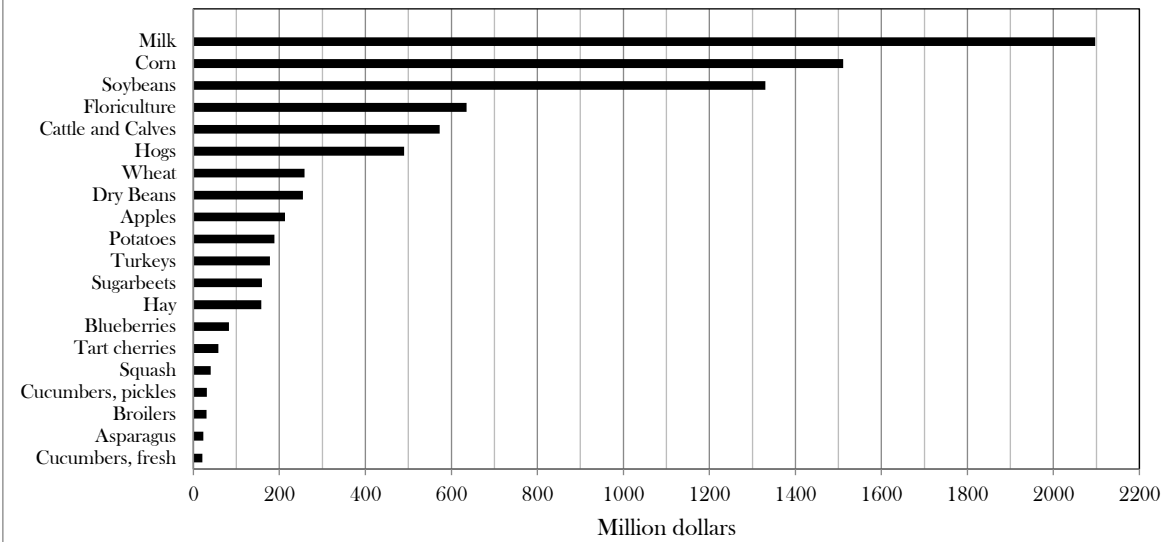
Program	2017	2018	2019	2020	2021
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Market Facilitation program		110,829	278,320	68,383	239
Conservation programs	38,564	39,223	44,216	39,606	38,768
BCAP-Biomass assistance program	30	0	0	0	0
Direct payments	122	26	-8	-2	-22
Loan deficiency payments	0	0	0	29	50
Miscellaneous programs	195	147	207	125	126
Ad Hoc and emergency programs	2,373	1,449	31,303	746,416	326,046
Milk income loss payments	-2	0	0	0	0
ACRE	0	-1	0	0	0
ARC-Agricultural Risk Coverage	149,528	60,448	13,363	43,412	3,412
PLC-Price Loss Coverage	9,764	6,740	2,754	43,937	8,946
Dairy Margin Coverage Program	0	13,397	14,610	7,343	53,058
Total	200,576	232,258	384,764	949,248	430,623

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

Major Michigan Commodity Groups, 2021



Top 20 Commodities in Cash Receipts, 2021



Value added to the economy by the Michigan agricultural sector 2017-2021 ¹

Item ²	2017	2018	2019	2020	2021
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Value of crop production	4,028.6	4,123.2	3,685.7	4,504.4	5,797.0
Food grains	167.7	189.1	190.6	179.6	268.6
Feed crops	1,071.0	1,062.0	1,075.8	1,011.9	1,672.5
Oil crops	919.2	834.1	723.1	942.5	1,329.9
Fruits and tree nuts	479.4	405.9	392.8	408.6	365.0
Vegetables, potatoes, dry beans	599.0	593.1	511.8	533.8	588.6
All other crops	999.9	1,106.7	1,201.4	1,290.7	1,442.5
Home consumption	4.4	2.6	2.3	2.7	2.5
Value of inventory adjustment ³	-211.9	-70.2	-412.2	134.6	127.3
Value of livestock production	3,231.5	3,114.1	3,292.8	3,275.1	3,674.1
Meat animals	948.6	863.0	893.5	856.0	1,062.2
Dairy products	1,836.1	1,659.1	1,963.4	1,910.1	2,097.2
Poultry and eggs	382.4	504.9	359.4	416.7	453.6
Miscellaneous livestock	75.9	75.0	76.2	76.8	79.0
Home consumption	6.4	8.9	7.8	17.1	14.5
Value of inventory adjustment ³	-17.8	3.1	-7.5	-1.6	-32.6
Farm related income	891.3	974.8	1,182.6	1,084.9	1,033.5
Forest products sold	17.9	11.9	12.2	10.7	5.6
Machine hire and custom work	85.3	188.2	162.3	100.3	53.9
Other farm income	350.7	368.5	574.4	550.4	425.0
Gross imputed rental value-farm dwellings	437.4	406.1	433.7	423.5	549.0
Value of agricultural sector production	8,151.4	8,212.1	8,161.1	8,864.3	10,504.5
less: Purchased inputs	4,693.5	4,616.5	4,905.3	4,851.0	5,030.3
Farm origin	1,927.1	1,733.2	2,005.7	2,058.4	1,917.0
Feed purchased	1,177.0	965.1	1,280.6	1,228.8	1,134.6
Livestock and poultry purchased	164.0	123.8	156.8	163.0	147.0
Seed purchased	586.2	644.3	568.3	666.7	635.4
Manufactured inputs	1,251.2	1,402.8	1,331.8	1,246.5	1,533.3
Fertilizers and lime	512.1	565.6	534.4	525.5	712.5
Pesticides	327.3	349.7	318.3	313.8	381.0
Petroleum fuel and oils	293.3	340.3	320.1	283.2	315.3
Electricity	118.5	147.2	159.0	124.0	124.4
Other intermediate expenses	1,515.2	1,480.5	1,567.8	1,546.0	1,679.9
Repair and maintenance of capital items	467.0	426.3	461.2	527.6	566.0
Machine hire and custom work	106.8	64.7	138.8	132.2	127.8
Marketing, storage, and transp. expenses	229.8	224.7	205.0	189.3	183.3
Miscellaneous expenses	711.7	764.8	762.8	696.9	802.8
less: Contract labor	107.0	73.7	82.6	89.4	74.7
plus: Net government transactions	-126.3	-105.9	47.7	631.3	128.0
Direct Government payments	200.6	232.3	384.8	949.2	430.6
Property taxes and fees	326.9	338.2	337.1	317.9	302.6
Gross value added	3,224.6	3,416.0	3,220.8	4,555.3	5,427.6
less: Capital consumption	894.0	763.3	711.4	717.1	634.5
Net value added	2,330.6	2,652.6	2,509.4	3,838.2	4,793.1
less: Payments to stakeholders	1,498.5	1,783.4	1,773.0	1,738.6	1,772.6
Employee compensation (total hired labor)	672.6	939.4	942.1	819.2	810.4
Net rent paid to landlords	378.1	344.2	331.2	452.8	506.1
Real estate and nonreal estate interest	447.7	499.8	499.7	466.6	456.2
Net farm income	832.1	869.2	736.4	2,099.6	3,020.5

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

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

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

Cash receipts by commodity groups and selected commodities 2017-2021 ¹

Item	2017	2018	2019	2020	2021
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total cash receipts	7,479,166	7,292,898	7,388,081	7,626,660	9,359,327
Total livestock and products	3,242,976	3,102,032	3,292,564	3,259,588	3,692,128
Cattle and calves	575,344	539,586	533,480	508,426	572,358
Hogs	373,227	323,414	360,052	347,609	489,891
Dairy (milk)	1,836,144	1,659,115	1,963,377	1,910,108	2,097,216
Eggs	220,431	364,078	196,213	230,625	244,590
Turkeys	133,102	111,119	137,258	164,800	178,370
Other	104,728	104,720	102,184	98,020	109,703
Total crops	4,236,190	4,190,866	4,095,518	4,367,073	5,667,199
Field crops	2,407,151	2,365,797	2,255,506	2,467,316	3,685,654
Corn	965,582	966,945	971,963	898,538	1,511,001
Dry beans	109,349	138,208	116,861	156,731	254,804
Hay	103,539	92,689	101,577	110,128	157,817
Soybeans	919,174	834,059	723,088	942,519	1,329,922
Sugarbeets	139,891	142,414	149,165	176,660	159,793
Wheat	161,762	181,747	182,586	170,951	258,836
Other	7,854	9,735	10,266	11,789	13,481
Vegetables	489,675	454,916	394,960	388,102	333,818
Asparagus	26,136	23,275	25,875	23,688	22,978
Cabbage	27,221	9,610	11,569	22,939	NA
Carrots	11,237	14,456	NA	NA	NA
Celery	16,636	19,471	NA	NA	NA
Corn, sweet (fresh)	20,930	19,256	NA	NA	NA
Cucumbers, fresh	23,890	22,491	25,165	16,607	21,247
Cucumbers, processing	55,849	32,927	45,395	38,635	31,300
Peppers, bell	15,318	18,220	19,674	14,345	14,494
Potatoes	179,421	186,319	184,937	184,836	188,608
Pumpkins	8,314	14,947	12,909	14,440	15,027
Snap beans, fresh	10,145	8,548	14,230	17,226	NA
Snap beans, processing	15,753	12,972	11,381	10,930	NA
Squash	42,838	37,072	43,825	44,456	40,164
Tomatoes, fresh	22,282	23,513	NA	NA	NA
Tomatoes, processing	13,705	11,839	NA	NA	NA
Fruits and nuts	479,378	405,908	392,835	408,594	364,992
Apples	272,310	285,104	289,730	291,520	213,282
Blueberries	116,400	70,226	75,258	75,356	82,485
Grapes	24,075	NA	NA	NA	NA
Peaches	10,810	12,642	5,313	9,006	11,257
Sweet cherries	16,090	NA	NA	NA	NA
Tart cherries	39,693	37,936	22,534	32,712	57,968
All other crops	859,986	964,245	1,052,217	1,114,061	1,282,735
Floriculture	460,857	486,746	439,500	502,558	635,258
Miscellaneous crops ²	399,129	477,499	612,717	611,503	647,477

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

² 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, 2020-2021

Item	United States		Northern Crescent ¹	
	2020	2021	2020	2021
	<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	644.71	929.7	635.53	936.37
Operating costs				
Seed	91.84	91.42	93.09	92.89
Fertilizer ²	116.93	116.57	126.19	126.25
Chemicals	32.63	31.48	30.16	29.37
Custom operations	22.94	23.49	29.30	30.33
Fuel, lube, and electricity	27.19	26.96	25.72	25.95
Repairs	35.56	37.96	30.64	32.83
Purchased irrigation water	0.28	0.28	0.00	0.00
Interest on operating capital	0.69	0.10	0.70	0.10
Total, operating costs	328.06	328.26	335.80	337.72
Allocated overhead				
Hired labor	5.33	5.64	4.58	4.83
Opportunity cost of unpaid labor	31.01	32.34	39.53	41.80
Capital recovery-machinery & equipment	126.06	134.64	111.54	119.42
Opportunity cost of land (rental rate)	161.86	163.41	126.81	128.50
Taxes and insurance	13.22	13.53	15.25	15.68
General farm overhead	19.62	20.91	28.40	30.47
Total, allocated overhead	357.10	370.47	326.11	340.70
Total, costs listed	685.16	698.73	661.91	678.42
Value of production less total costs listed	-40.45	230.97	-26.38	257.95
Value of production less operating costs	316.65	601.44	299.73	598.65
Supporting information				
Yield (bushels per planted acre)	178	184	172	185
Price (dollars per bushel at harvest)	3.61	5.04	3.65	5.02
Enterprise size (planted acres) ³	278	278	142	142
Production practices ³				
Irrigated (percent)	12	12	2	2
Dryland (percent)	88	88	98	98

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

² Includes soil conditioners and manure.

³ Developed from survey base year, 2016.

Soybean production costs and returns, 2020-2021

Item	United States		Northern Crescent ¹	
	2020	2021	2020	2021
	<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	524.17	650.69	518.42	665.15
Operating costs				
Seed	59.66	59.46	61.83	61.51
Fertilizer ²	31.35	30.97	37.77	37.79
Chemicals	35.62	34.58	28.73	28.12
Custom operations	12.68	13.10	16.24	16.88
Fuel, lube, and electricity	13.62	13.79	13.32	13.42
Repairs	29.18	31.43	25.91	27.76
Purchased irrigation water	0.01	0.01	0.00	0.00
Interest on operating capital	0.38	0.06	0.39	0.06
Total, operating costs	182.50	183.40	184.19	185.54
Allocated overhead				
Hired labor	5.06	5.37	2.03	2.15
Opportunity cost of unpaid labor	17.82	18.77	21.64	22.84
Capital recovery-machinery & equipment	109.82	118.23	96.34	103.19
Opportunity cost of land (rental rate)	151.46	154.97	133.94	137.68
Taxes and insurance	12.91	13.25	14.08	14.38
General farm overhead	18.69	19.97	27.08	28.89
Total, allocated overhead	315.76	330.56	295.11	309.13
Total, costs listed	498.26	513.96	479.30	494.67
Value of production less total costs listed	25.91	136.73	39.12	170.48
Value of production less operating costs	341.67	467.29	334.23	479.61
Supporting information				
Yield (bushels per planted acre)	54	54	53	55
Price (dollars per bushel at harvest)	9.67	11.98	9.73	12.04
Enterprise size (planted acres) ³	314	314	157	157
Production practices ³				
Irrigated (percent)	10	10	3	3
Dryland (percent)	90	90	97	97

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

² Includes soil conditioners and manure.

³ Developed from survey base year, 2018.

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

Commodity	2017	2018	2019	2020	2021
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Feed, grains	56.8	59.1	63.0	60.6	91.8
Feed, complete	102.6	106.3	109.1	114.7	129.3
Feed, concentrates	100.9	113.8	115.7	118.3	126.5
Feed, forage	90.0	103.0	109.9	102.6	114.7
Nitrogen	66.5	70.8	73.5	69.9	90.9
Potash & Phosphate	64.4	65.1	67.4	68.1	85.1
Fungicides	95.1	99.6	99.7	94.7	97.8
Herbicides	106.4	102.9	99.6	96.4	105.3
Insecticides	103.1	102.3	92.2	93.2	98.7
Seeds & Plants	119.9	115.6	112.9	113.1	117.6
Cows, milk replacement	114.3	95.6	84.9	91.6	96.0
Feeder cattle	106.5	108.1	102.9	100.4	107.4
Feeder pigs	100.9	94.5	107.1	65.8	132.4
Fuels, diesel	57.6	70.7	66.7	52.5	73.3
Fuels, gasoline	64.5	70.7	69.2	59.6	78.5
Fuels, LP gas	82.4	74.4	71.7	75.2	88.7
Machinery, self propelled	120.6	131.0	126.5	121.6	147.1
Tractors	112.6	109.3	112.0	114.0	123.0
Trucks & Autos	106.0	105.5	105.8	106.5	112.9
Building materials	110.4	116.1	118.1	120.8	140.5
Supplies & Repairs	107.9	111.6	114.7	116.5	124.9
Labor	119.1	126.3	133.2	138.2	146.1
Custom Rates	114.3	113.3	118.4	119.6	114.7
Interest	108.3	114.7	115.1	110.9	111.4
Rent	123.8	119.5	116.3	117.6	116.1
Taxes	115.5	117.1	120.4	126.8	130.0

Farm Labor

Hired farm workers: Annual average wage rates, 2017-2021 ¹

Year	All hired workers	Field workers	Field and livestock workers
	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>
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
2021	16.14	16.22	15.37

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

Agricultural Exports

Michigan agricultural exports by commodity and year ¹

Commodity	2019	2020	2021
	<i>Thousand dollars</i>	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Prepared foods	215,903	235,844	295,168
Dairy products	145,937	232,370	282,216
Forest products	171,134	158,505	229,950
Soybean meal	28,222	151,367	206,477
Beef & beef products	76,509	86,683	138,734
Bakery goods, cereals, & pasta	154,147	155,436	138,368
Soybeans	140,302	183,872	123,828
Dextrins, peptones, & proteins	102,126	93,538	105,818
Corn	25,753	36,801	101,926
Essential oils	66,294	65,490	97,930
Pulses	67,396	82,098	92,142
Processed fruit	72,840	78,402	88,393
Distillers grains	75,171	86,036	79,604
Pork & pork products	40,574	58,374	76,629
Meat products, unspecified & other	53,103	55,252	69,680
Fresh vegetables	76,278	78,054	66,030
Hides and skins	43,496	38,106	55,567
Non-alcoholic beverages ²	27,787	45,661	50,062
Chocolate & cocoa products	33,029	35,255	40,408
Planting seeds	39,562	57,420	36,957
Processed vegetables	40,774	33,751	33,551
Condiments & sauces	32,867	22,650	22,630
Fresh fruit	23,491	22,128	22,483
Coffee, roasted & extracts	21,598	19,522	21,489
Nursery products & cut flowers	10,238	9,760	13,070
Poultry meat & products (exc. eggs)	7,619	9,915	10,937
Other	132,402	118,019	129,384
Total	1,924,552	2,250,309	2,629,431

¹ Source: U.S. Department of Agriculture, Foreign Agricultural Service

² Excludes juices, coffee, & tea.

Michigan agricultural exports: Top 10 destinations, 2020-2021 ¹

Country	2020	2021
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Canada	965,716	1,174,943
Mexico	270,959	319,788
China	124,140	193,137
South Korea	190,630	168,550
Japan	124,471	148,506
Thailand	107,179	112,492
Netherlands	33,738	56,490
Taiwan	44,441	47,724
Indonesia	53,463	45,581
Vietnam	25,679	29,228
Others	309,893	332,992
Total	2,250,309	2,629,431

¹ Source: U.S. Department of Agriculture, Foreign Agricultural Service

Field Crops

Field crops: Acres harvested and value of production, 2017-2021

Item	Unit	2017	2018	2019	2020	2021
Acres harvested	1,000 acres	6,246	6,264	5,347	6,250	6,245
Value of production	1,000 dollars	2,889,074	2,953,099	2,468,524	3,830,299	4,747,900

Grain storage capacity, December 1, 2017-2021

Year	Off farm		On farm capacity
	Facilities	Rated capacity	
	<i>Number</i>	<i>Million bushels</i>	<i>Million bushels</i>
2017	191	230	300
2018	187	230	300
2019	184	235	300
2020	182	235	300
2021	179	235	300

Field crops: Record highs and lows

Crop & Unit	Record high		Record low		Year estimates began
	Quantity	Year	Quantity	Year	
Barley					
Harvested (1,000 acres)	8,000	2019,2020,2021	6	2011,2015	1866
Yield (Bushels per acre)	68.0	1985	13.5	1933	
Production (1,000 bushels)	8,400	1918	215	2018	
Dry Edible beans					
Harvested (1,000 acres)	690	1930	130	2001	1909
Yield (Pounds per acre)	2,410	2021	396	1916	
Production (1,000 cwt.)	8,585	1963	780	2001	
Corn for grain					
Harvested (1,000 acres)	2,800	1981	480	1866	1866
Yield (Bushels per acre)	174.0	2021	21.5	1917	
Production (1,000 bushels)	355,810	2014	15,120	1869	
Corn for silage					
Harvested (1,000 acres)	498	1971	210	2003	1919
Yield (Tons per acre)	20.5	2014,2021	4.7	1930	
Production (1,000 tons)	6,970	2021	1,542	1930	
Hay, alfalfa					
Harvested (1,000 acres)	1,444	1950	74	1919	1919
Yield (Tons per acre)	4.2	1993	1.1	1934	
Production (1,000 tons)	5,040	1985,1986	118	1919	
Hay, all					
Harvested (1,000 acres)	2,947	1924	780	1866,2019,2020	1909
Yield (Tons per acre)	3.8	1993	0.6	1895	
Production (1,000 tons)	5,743	1986	1,014	1866	
Oats					
Harvested (1,000 acres)	1,658	1918	20	2021	1866
Yield (Bushels per acre)	70.0	2003	18.5	1921	
Production (1,000 bushels)	69,388	1946	1,260	2021	
Potatoes					
Harvested (1,000 acres)	374.0	1895	36.4	1975	1866
Yield (Cwt. per acre)	430.0	2021	26.0	1887,1916	
Production (1,000 cwt.)	23,256	1904	3,557	1876	
Soybeans					
Harvested (1,000 acres)	2,310	2018	1	1930	1924
Yield (Bushels per acre)	51.0	2021	8.0	1927	
Production (1,000 bushels)	109,725	2018	10	1930	
Sugarbeets					
Harvested (1,000 acres)	190	1999	48	1943,1953	1909
Yield (Tons per acre)	37.4	2021	5.5	1916	
Production (1,000 tons)	5,311	2021	298	1943	
Wheat, winter					
Harvested (1,000 acres)	1,515	1953	400	1987	1909
Yield (Bushels per acre)	89.0	2016	10.5	1912	
Production (1,000 bushels)	50,730	2016	7,350	1912	

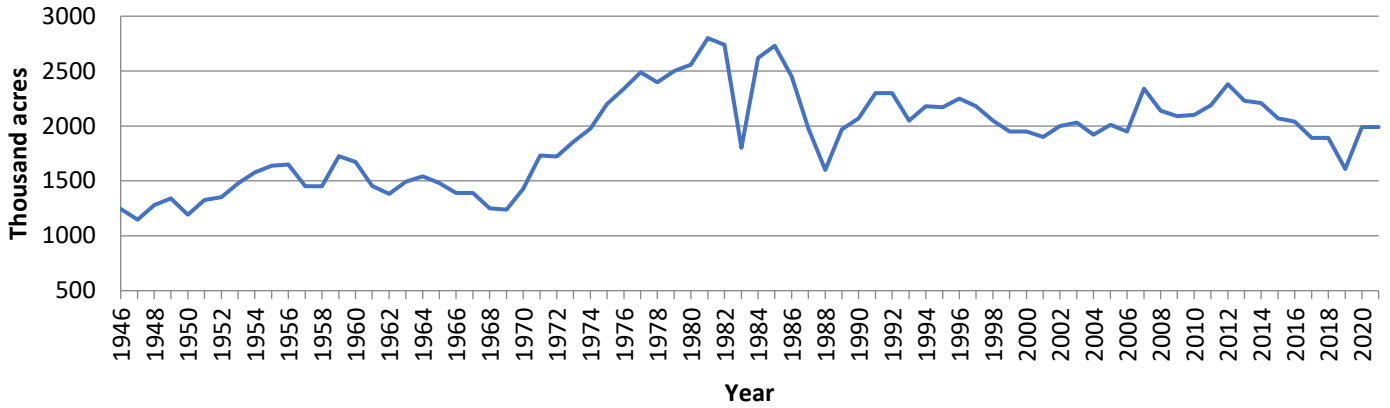
Corn

Corn: Acres, yield, production, and value, 2017-2021

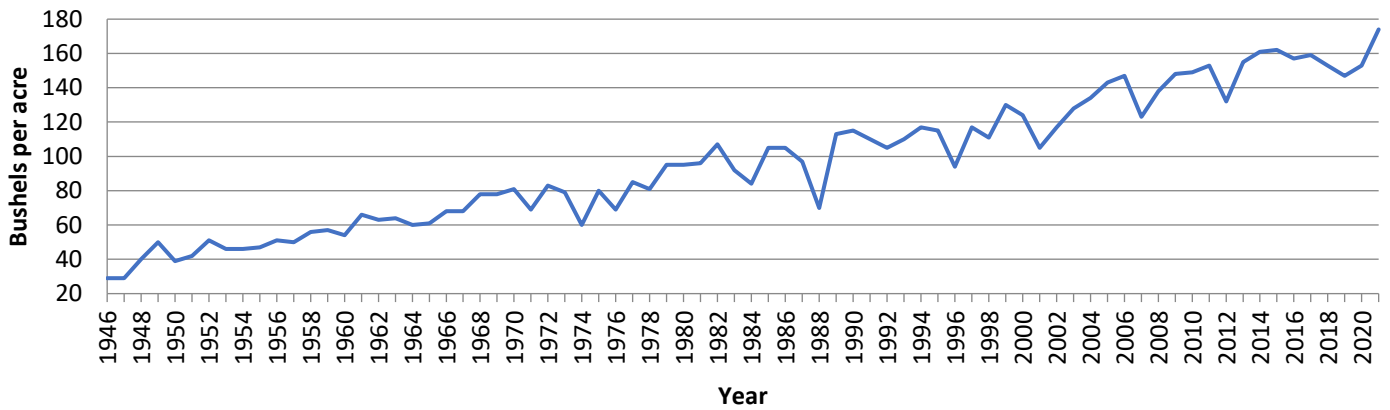
Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2017	2,250					
2018	2,250					
2019	2,000					
2020	2,350					
2021	2,350					
Grain						
2017		1,890	159	300,510	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	1,437,098
2021		1,990	174	346,260	5.35	1,852,491
Silage	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>		
2017		340	18.5	6,290		
2018		340	17.5	5,950		
2019		340	18.5	6,290		
2020		350	17.5	6,125		
2021		340	20.5	6,970		

¹ Marketing year average.

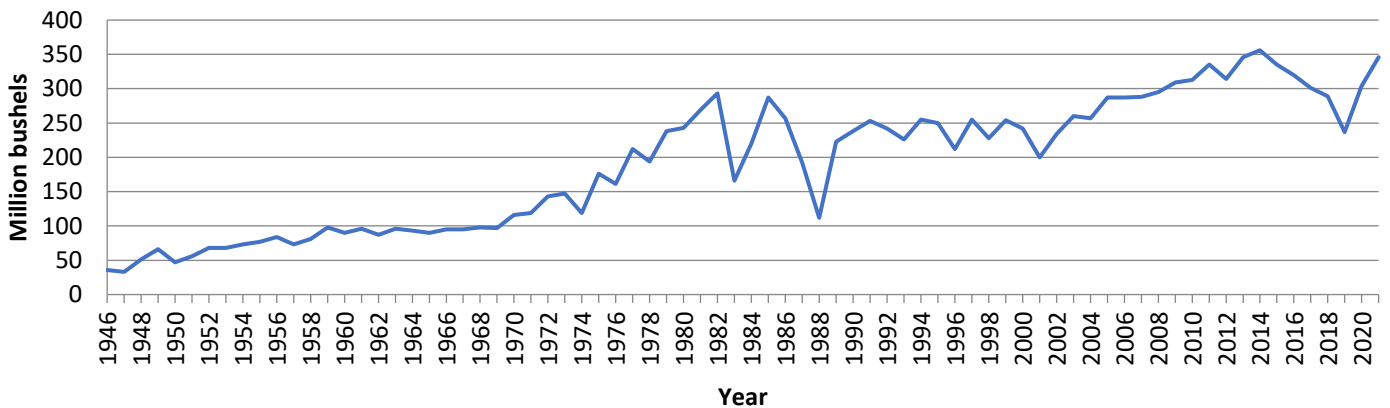
Corn for grain acres, 1946-2021



Corn yield, 1946-2021



Corn production, 1946-2021



Corn for grain: Stocks by quarter, 2017-2021

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>
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	15,383
2021	175,000	88,586	94,000	78,712	54,000	57,876	18,000	21,109

Corn: Percentage of acreage planted, 2017-2021

Year	Month and day					
	April		May			June
	20	30	10	20	30	10
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
2021	3	22	49	80	95	99
5-year-average	1	8	27	56	74	89

Corn: Percentage of acreage silked, 2017-2021

Year	Month and day					
	July			August		
	1	10	20	30	10	20
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
2021	1	4	52	87	98	100
5-year-average	1	4	32	66	86	95

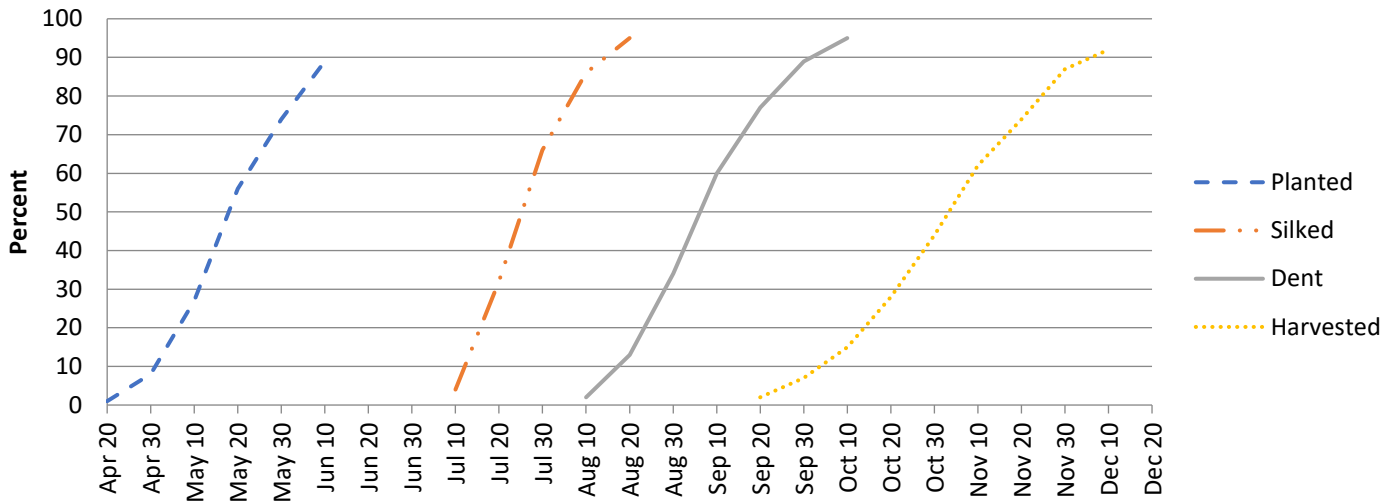
Corn: Percentage of acreage dent stage, 2017-2021

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
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	3	17	40	72	91	98	100
2021	2	16	40	67	81	92	98
5-year-average	2	13	34	60	77	89	95

Corn: Percentage of acreage harvested for grain, 2017-2021

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
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
2021	0	3	13	24	38	52	68	84	92	95
5-year-average	0	2	7	15	28	44	62	74	87	92

Corn progress Five-year average, 2017-2021



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

Months	2018		2019		2020		2021	
	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	3.50	10	3.98	5	3.67	12	4.91	
November	3.34	15	3.87	17	3.76	16	5.12	
December	3.46	11	3.85	14	4.08	10	5.36	
January	3.62	13	3.92	14	4.29	14	5.47	
February	3.69	7	4.03	10	4.89	8	5.88	
March	3.63	7	3.73	7	4.97	8	6.40	
April	3.60	7	3.42	5	5.31	7	6.80	
May	3.70	8	3.50	4	5.85	5	7.01	
June	4.31	10	3.32	5	6.05	6	6.66	
July	4.49	6	3.45	7	6.05	5	6.50	
August	4.31	4	3.27	8	6.58	4	6.75	
September	4.05	2	3.39	4	5.48	5		
Annual	3.72		3.73		4.72		5.35	

Dry Edible Beans

Dry edible beans: Acres, yield, production, and value, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>Dol/cwt</i>	<i>1,000 dollars</i>
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	116,117
2020	255	253.0	2,340	5,914	32.20	190,431
2021	210	208.0	2,410	5,011	44.20	217,477

¹ Marketing year average.

Dry edible beans: Acres, yield, and production, by class, 2017-2021

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
Black				
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	125,000	124,000	2,390	2,964
2021	98,000	97,000	2,480	2,406
Cranberry				
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
2021	2,500	2,400	1,290	31
Navy				
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	85,000	84,400	2,390	2,017
2021	68,000	67,600	2,700	1,825
Red kidney, dark				
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
2021	2,500	2,400	1,200	29
Red kidney, light				
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	7,400	1,960	145
2021	7,500	7,400	1,410	104
Small, red				
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
2021	20,000	19,700	2,260	445
Pinto				
2017	(D)	(D)	(D)	(D)
2018	(D)	(D)	(D)	(D)
2019	3,500	3,300	1,640	54
2020	(D)	(D)	(D)	(D)
2021	2,500	2,500	1,700	43

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

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

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

Months	2018		2019		2020		2021	
	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	(D)	10	27.00	9	37.80	10	42.30	52
October	28.50	18	28.10	26	29.50	29	47.40	14
November	25.80	31	32.00	15	27.80	17	45.90	6
December	29.30	6	32.20	15	33.20	6	40.50	4
January	30.30	4	35.10	5	34.10	5	40.90	3
February	30.00	2	37.60	7	39.40	2	44.90	2
March	(D)	3	37.40	5	37.70	2	48.80	2
April	(D)	1	(D)	4	39.20	3	51.00	2
May	30.90	2	(D)	11	44.90	2	54.10	1
June	(D)	1	34.00	1	39.00	1	(D)	1
July	30.20	1	35.70	1	45.80	1	47.40	1
August	(D)	21	(D)	1	(D)	22	(D)	12
Annual	27.60		31.70		32.20		44.20	

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

Hay and Haylage

Hay, haylage, and greenchop: Acres, yield, production, and value, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All dry hay						
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	168.00	348,840
2021		790	2.75	2,173	178.00	397,976
Alfalfa hay						
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	185.00	284,900
2021		560	3.10	1,736	193.00	335,048
Alfalfa seedings						
2017	80					
2018	100					
2019	100					
2020	100					
2021	60					
Other hay						
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	139.00	63,940
2021		230	1.90	437	144.00	62,928
All haylage and greenchop						
2017		275	7.48	2,057		
2018		285	6.51	1,856		
2019		290	7.68	2,227		
2020		280	8.04	2,252		
2021		270	8.27	2,232		
Alfalfa haylage and greenchop						
2017		240	7.90	1,896		
2018		260	6.80	1,768		
2019		260	8.00	2,080		
2020		250	8.30	2,075		
2021		240	8.80	2,112		

¹ Marketing year average.

Hay: Stocks on farms, 2018-2022

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2018	260	900
2019	180	930
2020	220	900
2021	190	1,100
2022	270	(¹)

¹ Published in January 2023.

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

Months	2018		2019		2020		2021	
	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	130	15	195	15	170	15	190	15
July	145	15	185	16	180	15	185	15
August	150	14	175	13	180	13	195	14
September	145	10	180	11	175	10	195	10
October	155	6	190	6	180	6	195	6
November	165	6	185	6	185	6	195	6
December	175	6	190	6	190	7	200	6
January	175	7	190	6	195	7	200	7
February	170	6	185	6	200	6	200	6
March	175	7	175	7	205	7	190	7
April	185	4	170	4	205	4	190	4
May	195	4	165	4	200	4	190	4
Annual	156		184		185		193	100

Maple Syrup

Maple syrup: Taps, yield, production, price, and value, 2018-2022

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>
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	46.30	6,945
2022	570	0.333	190	(¹)	(¹)

¹ Published in June 2023.

Oats

Oats: Acres, yield, production, and value, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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	5,214
2021	55	20	63	1,260	3.88	4,599

¹ Marketing year average.

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

Months	2018		2019		2020		2021	
	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	3.29	7	3.78	25	3.01	20	3.84	6
August	2.99	43	3.24	25	2.67	22	3.46	51
September	3.43	20	3.11	15	3.23	8	3.27	17
October	3.44	5	2.76		3.07	14	3.66	2
November	3.59	3	3.68	7	3.38	6	(D)	2
December	3.41	2	(S)		2.78	6	5.40	3
January	3.85	2	4.24	14	(D)	3	5.02	9
February	3.62	2	(D)	1	3.45	2	4.81	4
March	3.68	4	3.86	7	4.45	2	(D)	3
April	3.80	5	4.06	2	3.94	4	(D)	1
May	3.75	3	(D)	2	(D)	3	7.00	2
June	(D)	4	4.10	2	3.27	10	(S)	
Annual	3.31		3.63		3.16		3.88	

(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, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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
2021	46.0	45.0	430	19,350	13.10	253,485

¹ Marketing year average.

Potatoes: Stocks by type as percent of total stocks, December 1, 2017-2021

Type	2017	2018	2019	2020	2021
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	80	78	79	79	82
Russet	18	20	20	18	16
Red	1	1	(D)	(D)	1
Yellow	1	1	(D)	(D)	1

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

Potatoes: Production and disposition, 2017-2021

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>
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
2021	19,350	1,113	283	878	18,189

Potatoes: Stocks, 2017-2021

Crop year	December 1	February 1	April 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
2017	11,000	6,900	3,800
2018	10,500	6,700	3,400
2019	12,500	7,900	3,900
2020	10,900	7,300	3,400
2021	11,900	7,900	4,000

Soybeans

Soybeans: Acres, yield, production, and value, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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	1,229,904
2021	2,150	2,140	51.0	109,140	14.00	1,462,476

¹ Marketing year average.

Soybeans: Stocks by quarter, 2017-2021

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>
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	1,100	6,240
2021	35,000	43,355	19,000	34,003	5,500	20,155	1,400	5,049

Soybeans: Percentage of acreage planted, 2017-2021

Year	Month and day							
	April		May			June		
	30	10	20	30	10	20	30	
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	
2021	21	45	73	91	99	100	100	
5-year-average	7	20	41	61	80	89	95	

Soybeans: Percentage of acreage setting pods, 2017-2021

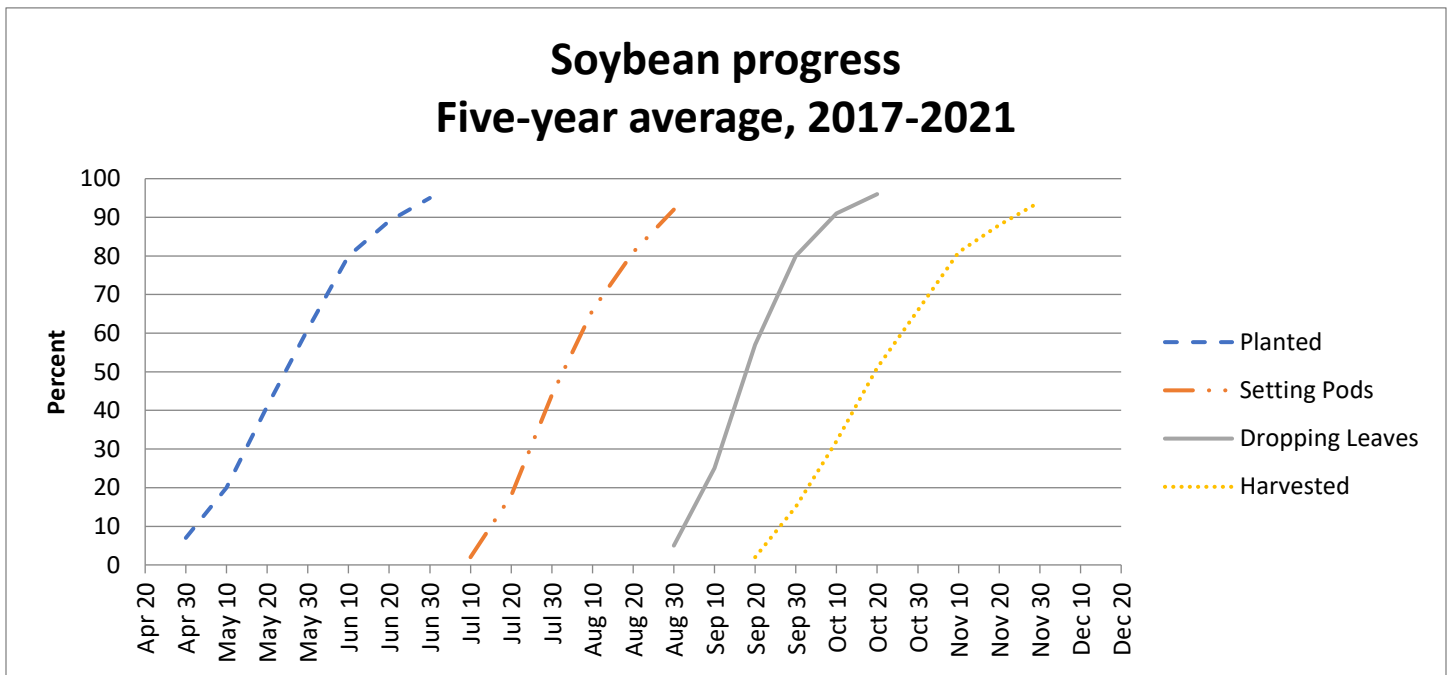
Year	Month and day					
	July			August		
	10	20	30	10	20	30
2017	5	23	44	69	85	92
2018	4	18	39	65	82	93
2019	0	5	16	29	52	74
2020	1	12	54	81	93	100
2021	1	34	65	86	94	100
5-year-average	2	18	44	66	81	92

Soybeans: Percentage of acreage dropping leaves, 2017-2021

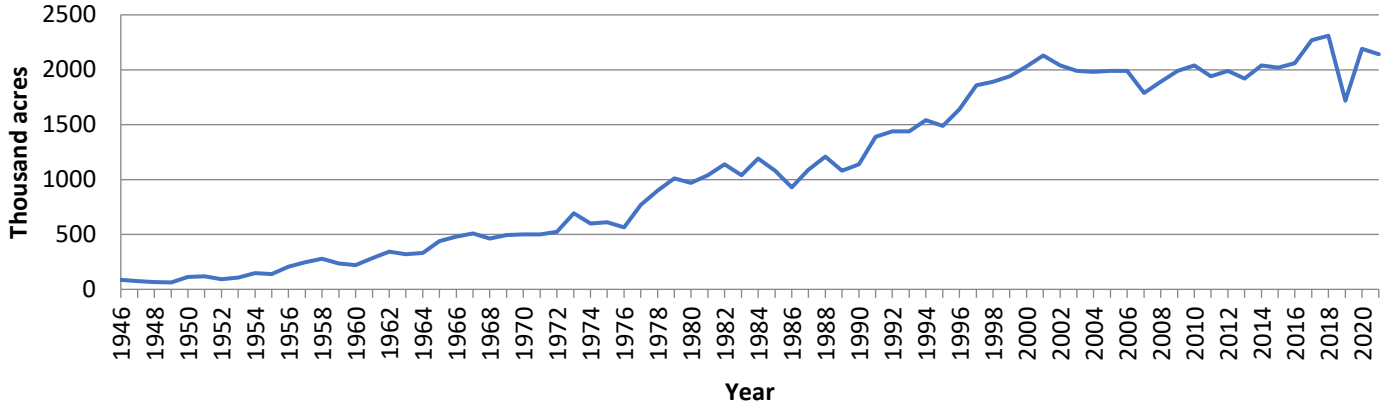
Year	Month and day					
	August	September			October	
	30	10	20	30	10	20
2017	6	21	53	81	94	96
2018	5	23	52	79	91	96
2019	0	7	32	58	77	90
2020	9	29	71	91	96	100
2021	6	43	78	92	96	100
5-year-average	5	25	57	80	91	96

Soybeans: Percentage of acreage harvested, 2017-2021

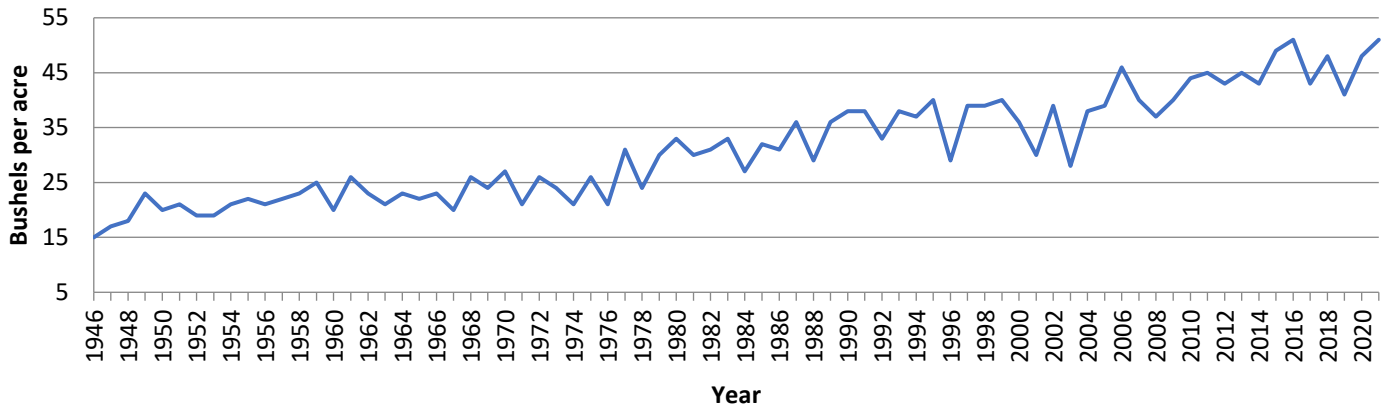
Year	Month and day							
	September		October			November		
	20	30	10	20	30	10	20	30
2017	1	19	54	70	79	87	91	97
2018	2	11	19	40	67	78	85	93
2019	0	7	14	37	54	74	78	84
2020	1	16	39	67	77	93	98	100
2021	6	23	36	43	54	71	86	94
5-year-average	2	15	32	51	66	81	88	94



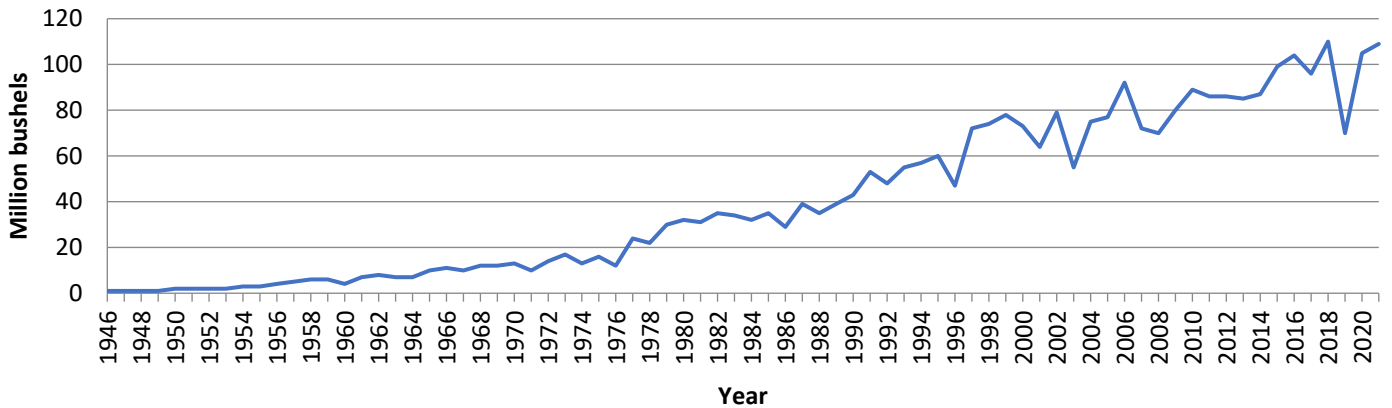
Soybean harvested acres, 1946-2021



Soybean yield, 1946-2021



Soybean production, 1946-2021



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

Months	2018		2019		2020		2021	
	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	8.72	2	8.54	4	9.45	8	12.90	5
October	8.73	26	8.78	18	9.92	27	12.30	22
November	8.37	17	8.68	12	10.80	13	12.80	17
December	8.49	9	8.95	12	11.30	9	12.50	9
January	8.62	10	9.03	9	11.80	14	13.50	12
February	8.61	5	8.94	4	13.40	5	15.80	8
March	8.70	4	8.90	6	13.20	5	16.00	5
April	8.22	5	8.75	7	13.90	5	16.50	5
May	8.08	4	8.59	6	14.60	3	16.60	3
June	8.42	13	8.80	11	16.20	5	16.80	4
July	8.60	3	8.65	4	15.30	3	16.80	5
August	8.50	2	8.89	7	15.20	3	16.80	5
Annual	8.53		8.81		11.70		14.00	

Sugarbeets

Sugarbeets: Acres, yield, production, and value, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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	55.00	239,690
2021	155	142	37.4	5,311	(²)	(²)

¹ Marketing year average.

² Published in February 2023.

Wheat

Wheat: Acres, yield, production, and value, 2017-2021

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
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	179,550
2021	610	560	81.0	45,360	6.24	281,232

¹ Marketing year average.

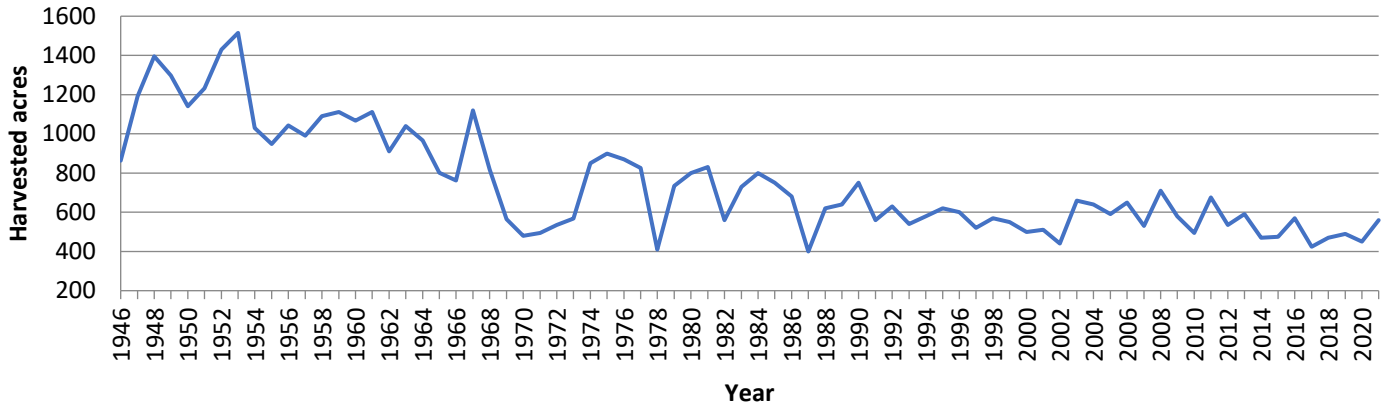
Wheat: Stocks by quarter, 2017-2021

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>
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
2021	4,100	38,968	2,400	33,821	1,400	23,955	400	14,545

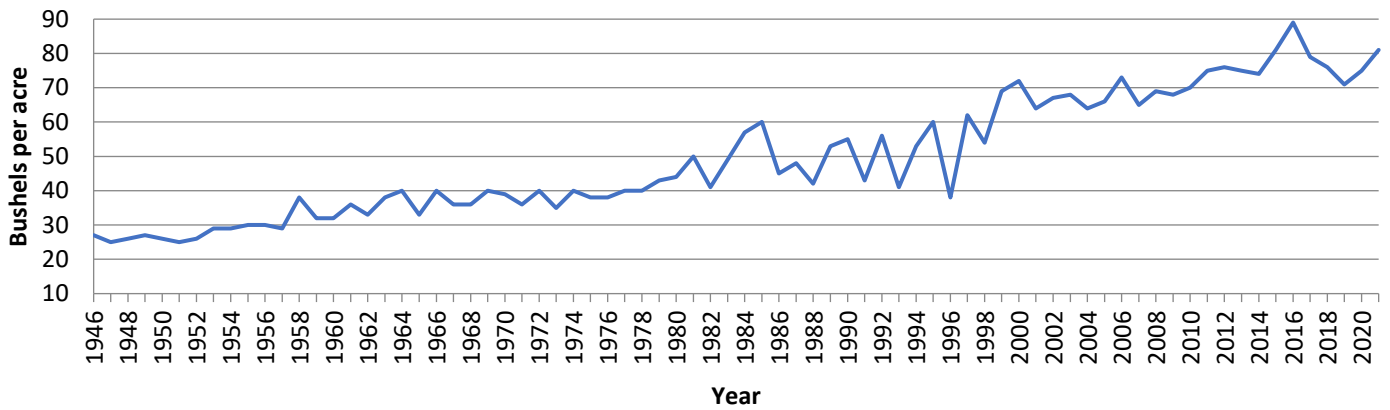
Wheat: Monthly price received, percent of annual sales, and marketing year average price by year

Months	2018		2019		2020		2021	
	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	4.98	60	5.27	27	5.22	58	5.96	61
August	5.27	18	5.09	35	4.90	13	6.39	16
September	5.17	4	5.05	11	5.30	9	6.26	5
October	4.96	1	5.13	8	5.51	4	6.09	4
November	4.92	1	5.19	4	5.70	1	6.83	1
December	5.16	1	5.26	2	5.76	1	6.65	2
January	5.33	3	5.58	5	5.73	5	6.37	3
February	5.22	1	5.65	2	6.18	2	7.09	2
March	5.56	2	5.66	2	6.13	2	8.40	2
April	5.25	7	5.85	2	6.15	2	8.30	2
May	4.93	1	5.55	1	6.37	2	9.37	1
June	5.26	1	5.18	1	6.49	1	9.14	1
Annual	5.08		5.21		5.32		6.24	

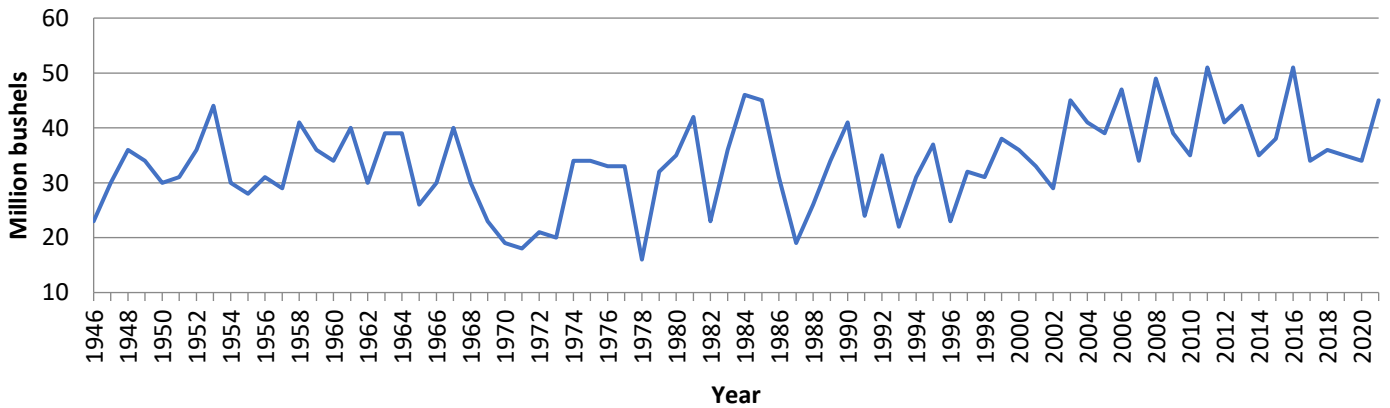
Wheat harvested acres, 1946-2021



Wheat yield, 1946-2021



Wheat production, 1946-2021



Agricultural Chemical Usage

Apples: Agricultural chemical applications, 2021 ¹

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Herbicides					
2,4-D, dimeth. salt	12	1.2	0.954	1.102	4,000
Clopyralid mono salt	1	1.2	0.171	0.197	100
Diuron	2	1.2	1.856	2.220	1,100
Glufosinate-ammonium	3	1.4	0.646	0.880	700
Glyphosate iso. salt	17	1.1	1.147	1.277	6,500
Glyphosate pot. salt	5	1.1	1.489	1.701	2,800
Paraquat	8	1.1	0.871	0.933	2,200
Pendimethalin	4	1.0	1.950	1.972	2,300
Terbacil	1	1.0	1.194	1.200	400
TOTAL	27				21,800
Insecticides					
Abamectin	38	1.2	0.018	0.022	300
Acetamiprid	45	1.8	0.126	0.230	3,100
Carbaryl	16	1.2	0.962	1.183	5,700
Chlorantraniliprole	59	1.7	0.072	0.125	2,300
Chlorpyrifos	53	1.4	1.398	1.910	30,900
Cyfluthrin	4	1.3	0.044	0.056	100
Emamectin benzoate	18	2.6	0.014	0.035	200
Esfenvalerate	12	1.1	0.041	0.045	200
Fenpropathrin	1	1.5	0.317	0.462	200
Imidacloprid	40	2.1	0.105	0.217	2,700
Lambda-cyhalothrin	25	1.7	0.034	0.059	500
Methomyl	2	1.6	0.528	0.822	600
Permethrin	15	1.5	0.166	0.245	1,100
Phosmet	35	2.3	1.495	3.442	36,300
Spinetoram	22	1.6	0.081	0.132	900
Spirotetramat	4	1.0	0.137	0.143	200
Sulfoxaflor	5	1.0	0.072	0.073	100
Thiamethoxam	36	1.4	0.064	0.088	1,000
Zeta-cypermethrin	6	1.3	0.023	0.029	100
TOTAL	88				90,200

See footnote(s) at end of table.

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Apples: Agricultural chemical applications, 2021 ¹ (continued)

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Fungicides /2					
Basic copper sulfate	16	1.3	0.773	0.999	4,800
Benzovindiflupyr	18	1.4	0.040	0.055	300
Captan	85	5.0	2.267	11.403	295,600
Copper chloride hyd.	22	1.6	1.605	2.509	17,200
Copper hydroxide	27	1.5	1.192	1.756	14,200
Copper octanoate	6	1.9	0.042	0.082	100
Copper sulfate	10	2.8	0.148	0.417	1,300
Cyprodinil	33	2.0	0.207	0.415	4,200
Difenoconazole	14	1.5	0.074	0.110	500
Fenbuconazole	5	1.6	0.122	0.198	300
Fluopyram	4	1.3	0.117	0.149	200
Fluxapyroxad	22	1.6	0.079	0.125	800
Kasugamycin	18	1.2	0.082	0.101	600
Kresoxim-methyl	6	1.2	0.128	0.153	300
Mancozeb	81	5.3	2.662	14.009	345,200
Mono-potassium salt	4	2.4	1.255	2.982	3,600
Myclobutanil	28	2.9	0.103	0.302	2,500
Pydiflumetofen	20	2.0	0.045	0.087	500
Pyraclostrobin	23	1.6	0.080	0.127	900
Pyrimethanil	5	1.3	0.307	0.400	700
Streptomycin sulfate	28	1.4	0.363	0.522	4,400
Sulfur	11	2.5	5.318	13.248	45,200
Thiophanate-methyl	25	2.1	0.488	1.012	7,900
Trifloxystrobin	49	1.8	0.075	0.133	2,000
Ziram	21	1.8	3.231	5.938	37,800
TOTAL	90				799,100
Other chemicals					
Acibenzolar-S-methyl	6	1.0	0.031	0.032	100
Benzyladenine	12	1.2	0.043	0.053	200
Butenoic acid hydro.	10	1.0	0.074	0.075	200
Flutriafol	22	1.7	0.083	0.139	900
Oxytetracycline HCl	10	1.6	0.243	0.377	1,100
Prohexadione calc.	33	2.1	0.100	0.207	2,100
Reynoutria sachaline	5	2.0	0.116	0.236	300
Spirodiclofen	6	1.0	0.250	0.260	500

¹ Bearing acres in 2021 were 30,500 acres.

² Includes antibiotics.

Blueberries: Agricultural chemical applications, 2021 ¹

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Herbicides					
Clethodim	6	1.3	0.126	0.158	100
Diuron	20	1.2	2.226	2.715	8,600
Glufosinate-ammonium	10	1.1	1.082	1.145	1,900
Mesotrione	51	1.1	0.167	0.182	1,500
Norflurazon	7	1.6	1.589	2.499	2,800
Simazine	20	1.1	2.849	3.221	10,600
Sulfentrazone	4	1.0	0.183	0.183	100
Terbacil	6	1.1	0.805	0.848	800
TOTAL	63				33,800
Insecticides					
Acetamiprid	14	1.5	0.143	0.221	500
Bifenthrin	61	1.9	0.098	0.189	1,900
Esfenvalerate	62	1.0	0.049	0.051	500
Fenpropathrin	5	1.0	0.255	0.258	200
Imidacloprid	24	1.2	0.115	0.141	500
Methomyl	39	1.9	0.699	1.298	8,300
Methoxyfenozide	22	1.2	0.228	0.263	900
Phosmet	52	2.2	0.941	2.078	17,500
Zeta-cypermethrin	76	2.9	0.025	0.074	900
TOTAL	94				34,400
Fungicides					
Azoxystrobin	13	2.1	0.146	0.312	600
Boscalid	3	1.1	0.322	0.370	200
Calcium polysulfide	46	1.0	2.629	2.734	20,300
Captan	39	1.9	1.981	3.759	23,600
Chlorothalonil	40	1.0	2.889	2.971	19,200
Cyprodinil	44	1.0	0.283	0.292	2,100
Fenbuconazole	31	1.8	0.157	0.288	1,400
Fludioxonil	42	1.0	0.188	0.194	1,300
Fluopyram	6	1.1	0.156	0.176	200
Metconazole	35	1.5	0.078	0.119	700
Propiconazole	38	1.0	0.168	0.171	1,100
Prothioconazole	4	1.1	0.177	0.186	100
Pyraclostrobin	3	1.1	0.164	0.188	100
TOTAL	93				75,700
Other					
Forchlorfenuron	8	1.0	0.234	0.234	300
Hydrogen peroxide	28	3.7	0.686	2.514	11,400
Peroxyacetic acid	35	3.7	0.128	0.467	2,100
TOTAL	35				15,000

¹ Bearing acres in 2021 for Michigan were 16,200 acres.

Cherries, tart: Agricultural chemical applications, 2021 ¹

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Herbicides					
2,4-D, dimeth. salt	7	1.1	0.897	0.961	1,600
Glyphosate iso. salt	25	1.6	1.273	2.061	13,700
Glyphosate pot. salt	4	1.1	1.103	1.236	1,200
Paraquat	5	1.4	0.714	0.988	1,300
Rimsulfuron	5	1.0	0.056	0.056	100
Simazine	4	1.0	1.788	1.796	1,800
TOTAL	35				42,100
Insecticides					
Acetamiprid	2	1.7	0.114	0.195	100
Chlorpyrifos	4	1.0	1.421	1.469	1,700
Cyfluthrin	9	1.1	0.041	0.047	100
Esfenvalerate	5	1.2	0.060	0.075	100
Fenpropathrin	7	1.1	0.339	0.360	600
Imidacloprid	27	1.6	0.135	0.214	1,500
Lambda-cyhalothrin	58	2.4	0.037	0.090	1,400
Permethrin	8	1.9	0.095	0.182	400
Phosmet	62	1.4	1.373	1.971	32,000
Spinetoram	2	1.1	0.093	0.105	100
Thiamethoxam	51	1.6	0.067	0.108	1,400
Zeta-cypermethrin	46	1.8	0.023	0.041	500
TOTAL	85				40,700
Fungicides					
Basic copper sulfate	2	1.2	0.765	0.955	500
Calcium polysulfide	7	1.3	1.976	2.653	4,800
Captan	81	3.5	2.084	7.309	155,600
Chlorothalonil	80	2.2	2.118	4.728	98,900
Copper chloride hyd.	37	2.6	0.350	0.899	8,800
Copper hydroxide	44	2.2	0.399	0.872	10,100
Copper sulfate	7	1.6	0.114	0.182	300
Dodine	32	1.5	0.564	0.839	7,000
Fenbuconazole	34	1.6	0.136	0.219	2,000
Fluopyram	8	1.3	0.083	0.106	200
Fluxapyroxad	24	1.2	0.083	0.100	600
Iprodione	7	1.1	0.758	0.872	1,700
Myclobutanil	13	1.3	0.111	0.145	500
Propiconazole	7	1.4	0.120	0.174	300
Pyraclostrobin	30	1.6	0.096	0.152	1,200
Sulfur	44	3.4	6.681	22.886	263,700
Tebuconazole	25	1.7	0.157	0.262	1,700
Trifloxystrobin	46	2.0	0.102	0.202	2,400
Ziram	4	1.4	2.879	4.072	4,400
TOTAL	96				568,700
Other chemicals					
Ethephon	64	1.1	0.167	0.189	3,200
Gibberellic acid	39	1.3	0.037	0.047	500
Mineral oil	4	1.2	8.012	9.991	10,100
TOTAL	81				14,900

¹ Bearing acres in 2021 for Michigan, New York, and Washington were 26,200 acres.

Peaches: Agricultural chemical applications, 2021 ¹

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Herbicides					
2,4-D, Dimeth. salt	7	1.0	0.867	0.867	100
Diuron	10	1.0	1.617	1.617	400
Glyphosate iso. salt	24	1.0	1.562	1.562	900
Paraquat	18	1.1	0.689	0.727	300
Terbacil	3	1.0	1.253	1.253	100
TOTAL	44				2,700
Insecticides					
Acetamiprid	55	1.8	0.149	0.267	400
Chlorantraniliprole	37	1.6	0.061	0.097	100
Esfenvalerate	25	3.6	0.044	0.158	100
Fenpropathrin	20	2.0	0.214	0.437	200
Imidacloprid	17	2.5	0.378	0.951	400
Lambda-cyhalothrin	51	2.6	0.036	0.095	100
Permethrin	21	3.7	0.129	0.478	200
Phosmet	40	3.1	1.247	3.869	3,700
Thiamethoxam	39	1.8	0.059	0.104	100
TOTAL	85				5,900
Fungicides					
Basic copper sulfate	15	1.0	1.828	1.872	700
Captan	69	4.8	1.641	7.955	13,300
Chlorothalonil	26	1.4	2.826	4.014	2,500
Copper chloride hyd.	34	1.0	2.612	2.690	2,200
Copper hydroxide	16	2.6	2.110	5.456	2,100
Fenbuconazole	37	2.7	0.179	0.483	400
Fluxapyroxad	46	1.4	0.079	0.111	100
Iprodione	53	1.7	0.883	1.533	2,000
Myclobutanil	23	1.2	0.101	0.125	100
Pyraclostrobin	50	1.5	0.082	0.118	100
Sulfur	76	4.0	10.869	44.018	80,300
Ziram	12	1.1	3.040	3.388	1,000
TOTAL	86				106,000
Other					
Total	55				1,900

¹ Bearing acres in 2021 for Michigan were 2,400 acres.

Fertilizer applications: Corn, 2021 ¹

Fertilizer	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Thous. pounds</i>
Nitrogen--N	96	2.8	53	150	336,800
Phosphate--P2O5	82	1.3	40	50	96,300
Potash--K2O	68	1.3	68	91	144,000
Sulfur--S	58	1.3	12	17	22,800

¹ Planted acres in 2021 were 2.35 million acres.

Agricultural chemical applications: Corn, 2021 ¹

Agricultural chemical	Area applied	Applications	Rate per application	Rate per crop year	Total applied
	<i>Percent</i>	<i>Number</i>	<i>Pounds per acre</i>	<i>Pounds per acre</i>	<i>Pounds</i>
Herbicides:					
2,4-D,2-EHE	5	1.0	0.655	0.655	71,000
Acetochlor	8	1.0	1.885	1.885	339,000
Atrazine	65	1.0	0.888	0.905	1,392,000
Bicyclopyrone	15	1.0	0.036	0.036	13,000
Dimethenamid-P	20	1.0	0.616	0.616	285,000
Glyphosate iso. Salt	41	1.3	0.695	0.913	876,000
Glyphosate Pot. Salt	30	1.3	0.924	1.174	820,000
Mesotrione	26	1.0	0.148	0.148	89,000
Metolachlor	9	1.0	1.270	1.270	282,000
S-Metolachlor	27	1.0	1.234	1.234	793,000
Saflufenacil	8	1.0	0.055	0.055	11,000
Tembotrione	19	1.0	0.072	0.072	33,000
Thiencarbazone-methyl	18	1.0	0.017	0.017	7,000
Topramezone	12	1.0	0.014	0.014	4,000
ALL	98				5,278,000
Insecticides					
Bifenthrin	6	1.0	0.059	0.059	8,000
ALL	13				15,000
Fungicides					
Mefentrifluconazole	13	1.0	0.100	0.100	32,000
Pyraclostrobin	15	1.0	0.107	0.107	38,000
ALL	25				129,000

¹ Planted acres in 2021 were 2.35 million acres.

Fruit

Fruit: Acres, production, and value, 2017-2021

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						
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	31,500	31,800	1,000	999	0.292	291,520
2021	30,500	21,500	656	655	0.325	213,282
Blueberries ¹						
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
2021	16,200	4,500	73	72	1.140	82,485
Cherries, tart						
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
2021	23,000	4,200	97	96	0.601	57,968
Peaches						
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	0.750	9,006
2021	2,400	7,000	16.8	16.8	0.670	11,257

¹ Harvested acres.

Apples: Utilization and price, 2017-2021

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>
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	497	0.430	502	0.155	999	0.292
2021	282	0.455	373	0.228	655	0.325

Blueberries: Utilization and price, 2017-2021

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>
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
2021	73	72	37	1.450	36	0.820

Cherries, tart: Production by region, 2017-2021

Region	2017	2018	2019	2020	2021
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Northwest	123.1	115.2	104.5	42.6	45.4
West Central	33.8	60.4	37.0	22.2	30.6
Southwest and other	32.3	25.4	28.5	4.5	20.6
Michigan	189.2	201.0	170.0	69.3	96.6

Cherries, tart, frozen: Stocks in cold storage, 2018-2022

Month	East North Central region ¹				48 States total ²			
	2018-19	2019-20	2020-21	2021-22	2018-19	2019-20	2020-21	2021-22
	<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	128,900	95,280	71,250	50,933	167,724	117,089	108,801	97,760
August	135,497	119,160	70,942	68,487	184,463	162,132	112,451	92,257
September	123,933	113,354	66,444	64,576	169,664	152,361	107,092	85,863
October	115,802	106,969	64,797	60,100	156,443	145,276	100,699	77,715
November	108,243	102,550	60,993	49,937	145,503	139,349	93,002	76,808
December	105,692	96,257	55,749	47,781	141,203	128,711	82,348	66,106
January	101,010	90,743	50,382	41,697	126,955	118,983	77,159	58,781
February	95,777	80,322	47,051	33,464	120,147	105,679	68,157	51,912
March	92,218	74,472	42,158	30,120	114,474	102,965	62,644	46,188
April	89,398	68,386	37,984		111,041	93,006	50,294	
May	77,428	61,166	29,716		94,508	85,708	40,469	
June	70,717	54,701	24,875		84,115	77,292	34,438	

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

² Excluding Alaska and Hawaii.

Vegetables

Vegetables: Area planted and harvested, production, and value, by crop, 2017-2021

Crop	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 dollars</i>
Asparagus				
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	9,600	9,200	258	23,688
2021	9,800	9,200	258	22,978
Snap beans				
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	17,400	17,200	1,531	28,156
2021	16,200	16,100	1,530	24,215
Cabbage				
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	1,640	18,073
2021	4,800	4,600	1,748	22,665
Cucumbers				
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	34,900	4,537	55,242
2021	34,000	33,800	4,563	52,547
Bell peppers				
2017	2,300	2,200	561	15,318
2018	2,100	2,000	480	18,220
2019	2,200	2,100	536	19,674
2020	2,000	1,900	437	14,345
2021	2,200	2,100	420	14,494
Pumpkins				
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
2021	5,600	5,100	893	15,027
Squash				
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
2021	8,300	8,100	1,620	40,164
Michigan				
2017	89,200	86,800	12,473	212,862
2018	86,600	81,900	10,474	184,779
2019	90,100	87,200	12,419	217,138
2020	81,900	80,500	11,004	198,400
2021	80,900	79,000	11,031	192,090

Vegetables, processing: Acres, production, and value, 2017-2021

Item and Year	Production	Price per ton	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Cabbage			
2017	(D)	(D)	(D)
2018	30,433	155	4,717
2019	45,900	155	7,115
2020	36,080	170	6,134
2021	(D)	(D)	(D)
Cucumbers			
2017	237,656	235	55,849
2018	153,149	215	32,927
2019	241,461	188	45,395
2020	183,975	210	38,635
2021	184,117	170	31,300
Snap beans			
2017	78,765	200	15,753
2018	60,333	215	12,972
2019	66,947	170	11,381
2020	62,457	175	10,930
2021	(D)	(D)	(D)

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

Vegetables, fresh market: Acres, production, and value, 2017-2021

Item and year	Production	Price per cwt	Value ¹
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Beans, snap			
2017	203	50.00	10,145
2018	158	54.00	5,848
2019	261	54.50	14,230
2020	280	61.50	17,226
2021	(D)	(D)	(D)
Cabbage			
2017	(D)	(D)	(D)
2018	686	14.00	9,610
2019	609	19.00	11,569
2020	918	13.00	11,939
2021	(D)	(D)	(D)
Cucumbers			
2017	872	27.40	23,890
2018	1,061	21.20	22,491
2019	1,099	22.90	25,165
2020	681	24.40	16,607
2021	853	24.90	21,247

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

Vegetables, dual purpose: Acres, production, and value, 2017-2021

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						
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	9,600	9,200	28	258	93.90	23,688
2021	9,800	9,200	28	258	90.10	22,978
Peppers, bell						
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	1,900	230	437	33.20	14,345
2021	2,200	2,100	200	420	34.60	14,494
Pumpkins						
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
2021	5,600	5,100	175	893	17.40	15,027
Squash						
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
2021	8,300	8,100	200	1,620	25.00	40,164

Horticulture

Floriculture crops: Number of growers by gross value of sales, 2017-2021

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>
2017 ¹							
2018	49	78	35	97	170	140	569
2019	68	65	21	71	162	142	529
2020	59	63	36	91	155	145	549
2021	49	60	35	108	141	146	539

¹ Program suspended.

Floriculture crops: Growing area by type of cover, 2017-2021

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>
2017 ¹							
2018	3,126	2,926	41,861	47,913	1,742	49,655	2,359
2019	3,790	4,431	41,179	49,400	789	50,189	5,070
2020	3,048	4,410	42,120	49,578	1,108	50,686	2,430
2021	3,534	4,121	42,073	49,728	550	50,278	2,303

¹ Program suspended.

Floriculture crops: Wholesale value of sales by category, 2017-2021

Year	Herbaceous perennials	Potted flowering plants	Foliage plants for indoor or patio use	Annual bedding/ garden plants	Total wholesale value of reported crops ¹	Expanded wholesale value of reported crops ²
	<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>
2017 ³						
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
2021 ⁴	99,889	56,926	17,873	342,873	622,993	635,258

¹ Includes listed categories, cut flowers, cut cultivated greens, and propagative floriculture material.

² 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.

³ Program suspended.

⁴ Total value starting in 2021.

Annual bedding plants: Producers, quantity sold as flats, price, and value, 2015-2021

Item	Producers	Quantity sold	Price ¹	Value of sales ²
	<i>Number</i>	<i>1,000 flats</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias				
2015	179	817	7.64	6,242
2018	192	851	8.07	6,868
2019	185	696	8.80	6,128
2020	187	929	8.56	7,956
2021	185	1,125	9.14	10,283
Geraniums from cuttings				
2015	8	22	22.60	497
2018	27	131	8.81	1,154
2019	5	(D)	(D)	(D)
2020	10	124	9.31	1,154
2021	7	(D)	(D)	(D)
Impatiens, other				
2015	168	1,106	8.06	8,914
2018	159	1,108	7.94	8,798
2019	163	847	7.87	6,662
2020	172	1,311	7.51	9,847
2021	NA	1,327	8.70	11,549
Marigolds				
2015	182	588	7.34	4,316
2018	193	611	7.78	4,754
2019	193	529	7.82	4,138
2020	191	846	7.06	5,974
2021	188	866	7.93	6,869
New Guinea Impatiens				
2015	33	73	7.80	569
2018	37	91	8.14	741
2019	37	(D)	(D)	(D)
2020	40	195	9.31	1,815
2021	38	170	9.91	1,685
Pansies/Violas				
2015	165	414	8.74	3,618
2018	165	580	8.99	5,214
2019	158	298	8.32	2,480
2020	158	678	7.01	4,751
2021	150	787	7.19	5,656
Petunias				
2015	189	1,385	8.65	11,980
2018	196	1,315	8.53	11,217
2019	188	1,302	9.23	12,022
2020	187	1,543	8.20	12,660
2021	185	1,598	8.33	13,311
Other flowering and foliar				
2015	170	2,186	8.74	19,106
2018	181	2,320	8.99	20,857
2019	182	1,864	9.31	17,363
2020	177	3,075	7.65	23,536
2021	178	3,155	7.85	24,756
Vegetables ³				
2015	129	743	11.00	8,173
2018	138	606	7.41	4,490
2019	111	454	10.08	4,575
2020	122	583	9.33	5,442
2021	NA	774	8.94	6,922

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

¹ Wholesale price before 2021.

² Wholesale value before 2021.

³ Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 2015-2021

Item	Producers	Quantity sold	Price ¹	Value of sales ²
	<i>Number</i>	<i>1,000 baskets</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias				
2015	156	513	6.20	3,181
2018	165	486	7.04	3,421
2019	174	561	7.41	4,156
2020	175	820	7.68	6,294
2021	170	1,023	8.13	8,312
Geraniums from cuttings				
2015	195	794	7.48	5,939
2018	202	1,041	7.18	7,474
2019	196	710	7.49	5,320
2020	196	954	8.01	7,642
2021	180	891	9.56	8,519
Impatiens, other				
2015	138	592	5.04	2,984
2018	128	681	4.94	3,364
2019	115	436	5.33	2,324
2020	130	580	5.95	3,451
2021	109	556	6.60	3,669
Marigolds				
2015	19	65	4.53	294
2018	15	52	4.64	241
2019	15	54	5.41	292
2020	14	73	5.08	371
2021	9	59	5.27	311
New Guinea Impatiens				
2015	178	481	7.02	3,377
2018	168	384	7.19	2,761
2019	167	472	6.18	2,915
2020	163	442	6.55	2,894
2021	149	479	9.15	4,381
Pansies/Violas				
2015	49	142	5.90	838
2018	53	212	5.53	1,172
2019	54	161	5.10	821
2020	50	359	6.46	2,320
2021	56	336	5.67	1,904
Petunias				
2015	183	1,131	5.81	6,571
2018	192	1,502	5.83	8,757
2019	195	1,241	6.37	7,907
2020	188	1,683	6.55	11,029
2021	184	1,668	7.29	12,168
Other flowering				
2015	174	3,500	7.21	25,235
2018	182	3,511	7.69	27,000
2019	177	3,336	7.66	25,558
2020	180	3,162	7.66	24,211
2021	171	3,373	9.54	32,163
Foliage				
2015	49	258	10.91	2,815
2018	68	335	10.05	3,367
2019	52	589	12.83	7,554
2020	72	377	7.66	2,887
2021	73	676	6.74	4,555

¹ Wholesale price before 2021.

² Wholesale value before 2021.

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2015-2021

Item	Producers	Quantity sold			Price ¹		Value of sales ²
		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>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias							
2015	113	782	516	1,298	1.53	4.87	3,709
2018	134	903	724	1,627	2.04	4.38	5,013
2019	129	783	546	1,329	2.21	5.49	4,731
2020	135	2,420	799	3,219	1.63	3.87	7,027
2021	118	2,888	795	3,683	1.78	4.74	8,910
Chrysanthemums, florist							
2015	16	75	214	289	2.37	4.14	1,064
2018	19	96	326	422	2.51	4.13	1,587
2019	14	(D)	(D)	554	(D)	(D)	2,265
2020	17	388	672	1,060	1.54	3.74	3,107
2021	8	(D)	(D)	(D)	(D)	(D)	(D)
Chrysanthemums, hardy garden							
2015	111	1,102	5,244	6,346	1.06	2.80	15,851
2018	131	1,271	5,668	6,939	1.17	3.13	19,228
2019	108	1,433	4,187	5,620	1.02	3.51	16,132
2020	117	1,568	5,927	7,495	1.15	3.67	23,568
2021	136	2,360	7,970	10,330	1.08	3.82	32,983
Easter Lilies							
2015	26	124	1,366	1,490	2.27	4.17	5,978
2018	33	141	1,253	1,394	2.37	4.33	5,760
2019	20	(D)	(D)	982	(D)	(D)	4,494
2020	22	(D)	(D)	950	(D)	(D)	4,063
2021	22	(D)	(D)	921	(D)	(D)	4,413
Geraniums from cuttings							
2015	181	2,128	1,450	3,578	2.07	4.42	10,814
2018	200	4,033	1,437	5,470	1.42	4.68	12,452
2019	194	2,434	1,229	3,663	1.83	3.99	9,370
2020	201	3,476	1,789	5,265	1.79	4.59	14,442
2021	179	2,016	1,489	3,505	2.89	6.44	15,416
Impatiens, other							
2015	55	257	184	441	1.35	3.05	908
2018	76	365	185	550	1.89	2.91	1,228
2019	61	381	252	633	1.34	2.41	1,118
2020	79	622	394	1,016	1.40	2.21	1,742
2021	58	(D)	(D)	1,355	(D)	(D)	2,965
Marigolds							
2015	32	107	102	209	0.92	1.98	300
2018	31	232	100	332	1.17	2.71	542
2019	28	293	388	681	0.75	1.72	886
2020	25	594	165	759	0.79	2.63	905
2021	29	(D)	(D)	1,169	(D)	(D)	1,742
New Guinea Impatiens							
2015	153	1,753	261	2,014	1.43	5.09	3,835
2018	162	1,950	319	2,269	1.42	4.85	4,316
2019	166	1,686	366	2,052	1.74	4.12	4,446
2020	162	1,884	408	2,292	1.69	4.35	4,957
2021	144	2,066	453	2,519	1.88	6.16	6,686

See footnote(s) at end of table.

--continued

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2015-2021 (continued)

Item	Producers	Quantity sold			Price ¹		Value of sales ²
		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>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Pansies/Violas							
2015	62	1,317	326	1,643	1.07	2.79	2,319
2018	66	1,666	299	1,965	0.95	3.22	2,545
2019	69	699	604	1,303	1.56	2.74	2,741
2020	65	1,762	347	2,109	0.61	2.93	2,097
2021	61	2,465	468	2,933	1.15	4.14	4,776
Petunias							
2015	110	2,664	1,408	4,072	1.52	4.41	10,259
2018	131	2,932	1,666	4,598	1.58	4.05	11,380
2019	141	2,970	1,888	4,858	2.00	4.27	14,014
2020	135	2,871	1,345	4,216	2.01	5.32	12,913
2021	123	3,860	1,676	5,536	2.04	5.04	16,304
Poinsettias							
2015	55	701	1,890	2,591	1.53	4.92	10,371
2018	64	815	1,970	2,785	1.62	4.86	10,895
2019	47	631	1,691	2,322	1.88	4.46	8,722
2020	52	514	1,723	2,237	1.83	4.71	9,058
2021	49	609	1,770	2,379	1.90	5.06	10,112
Flowering bulbs							
2015	23	472	1,422	1,894	2.06	3.86	6,461
2018	30	628	1,563	2,191	2.07	3.42	6,645
2019	21	(D)	(D)	7,223	(D)	(D)	14,056
2020	24	(D)	(D)	7,573	(D)	(D)	14,539
2021	20	(D)	(D)	(D)	(D)	(D)	(D)
Other flowering plants							
2015	47	595	602	1,197	2.57	6.26	5,298
2018	58	909	5,169	6,078	2.59	7.95	43,448
2019	88	2,547	3,190	5,737	2.29	7.01	28,181
2020	52	1,342	2,210	3,552	1.97	7.86	20,025
2021	49	1,309	2,123	3,432	2.06	8.59	20,927
Other flowering and foliar type bedding plants							
2015	152	17,566	4,693	22,259	1.61	5.06	52,028
2018	173	21,183	5,500	26,683	1.50	4.70	57,625
2019	197	23,296	6,702	29,998	1.48	4.88	67,244
2020	187	21,746	5,552	27,298	1.42	5.17	59,636
2021	168	21,861	7,017	28,878	1.99	5.92	85,003
Vegetable type ¹							
2015	99	3,337	410	3,747	1.18	4.08	5,610
2018	106	3,672	565	4,237	1.52	9.74	11,085
2019	95	5,545	1,015	6,560	1.37	3.18	10,829
2020	109	5,970	756	6,726	1.37	5.95	12,674
2021	(D)	(D)	(D)	11,518	(D)	(D)	19,870

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

¹ Wholesale price before 2021.

² Wholesale value before 2021.

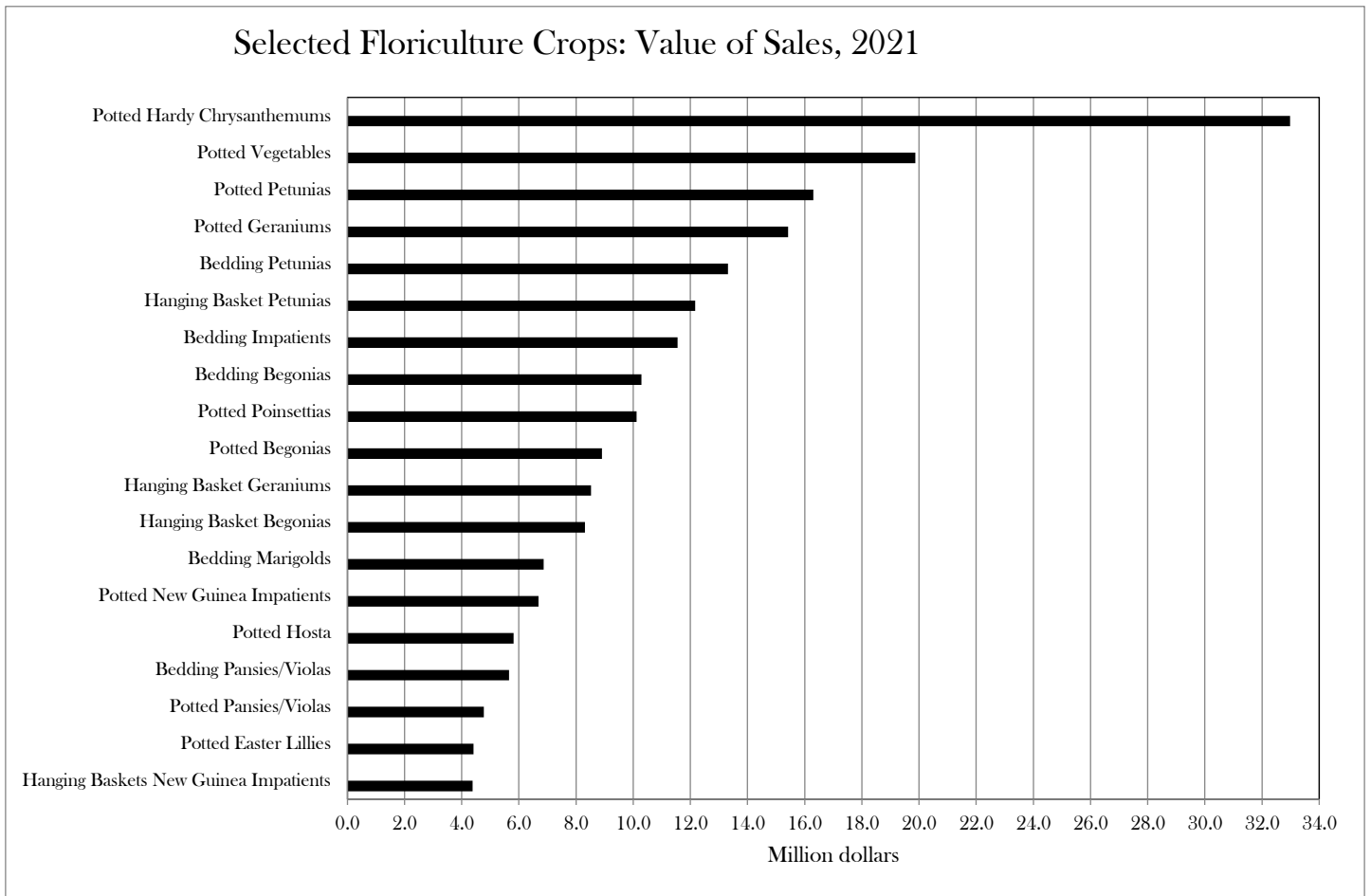
Herbaceous perennials: Producers, quantity sold, price, and value, 2015-2021

Item	Producers	Quantity Sold				Price ¹			Value of sales ²
		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>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Hosta									
2015	102	1,620	887	31	2,538	2.21	3.38	7.17	6,801
2018	112	881	683	27	1,591	1.81	3.62	7.26	4,263
2019	105	1,019	886	30	1,935	2.09	3.73	7.87	5,673
2020	104	492	810	31	1,333	2.29	3.91	8.58	4,562
2021	104	373	724	127	1,224	3.05	5.01	8.26	5,817
Other									
2015	124	5,889	5,994	252	12,135	1.86	4.32	9.68	39,287
2016	135	6,303	6,691	313	13,307	1.72	4.51	9.09	43,863
2019	132	7,465	6,248	370	14,083	1.88	6.04	8.13	54,793
2020	133	6,759	6,829	245	13,833	2.04	4.69	9.58	48,167
2021	128	6,608	6,182	233	13,023	2.26	5.45	12.13	51,455

¹ Wholesale price before 2021.

² Wholesale value before 2021.

Selected Floriculture Crops: Value of Sales, 2021



Livestock, Dairy, and Poultry

Livestock: Record highs and lows

Livestock	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Cattle and calves	1,000 head	2,036	1944	538	1867	1867
Cattle on feed	1,000 head	210	2004	57	1931	1930
Chickens, all ¹	1,000 birds	19,932	2021	6,190	1997	1924
Cows, beef	1,000 head	239	1977	24	1925,1933	1920
Cows, milk	1,000 head	1,080	1945	225	1867	1867
Eggs ²	Million eggs	4,548	2018	1,104	1929	1924
Hogs and pigs ¹	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	3,915	2017	1921
Milk	Million pounds	11,952	2021	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	325	2018	1934

¹ December 1.

² December 1 previous year to November 30.

Cattle and Calves

Cattle and calves: Number on farms by class, January 1, 2018-2022

Class	2018	2019	2020	2021	2022
	<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	530	530	520	540	530
Beef cows	102	108	93	100	96
Milk cows	428	422	427	440	434
Heifers, 500 pounds and over	230	225	230	220	220
Beef cow replacement	24	25	23	20	23
Milk cow replacement	176	160	175	160	152
Other	30	40	32	40	45
Steers, 500 pounds and over	180	180	175	176	177
Bulls, 500 pounds and over	15	15	15	14	15
Calves, under 500 pounds	205	210	210	190	182
All cattle and calves	1,160	1,160	1,150	1,140	1,120

Cattle and calves: Balance sheet, 2017-2021

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings ¹		Farm slaughter cattle and calves ²	Deaths		All cattle and calves on hand following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
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	400	70	368	40	3	26	43	1,140
2021	1,140	395	70	373	45	3	23	41	1,120

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

² Excludes custom slaughter for farmers at commercial establishments.

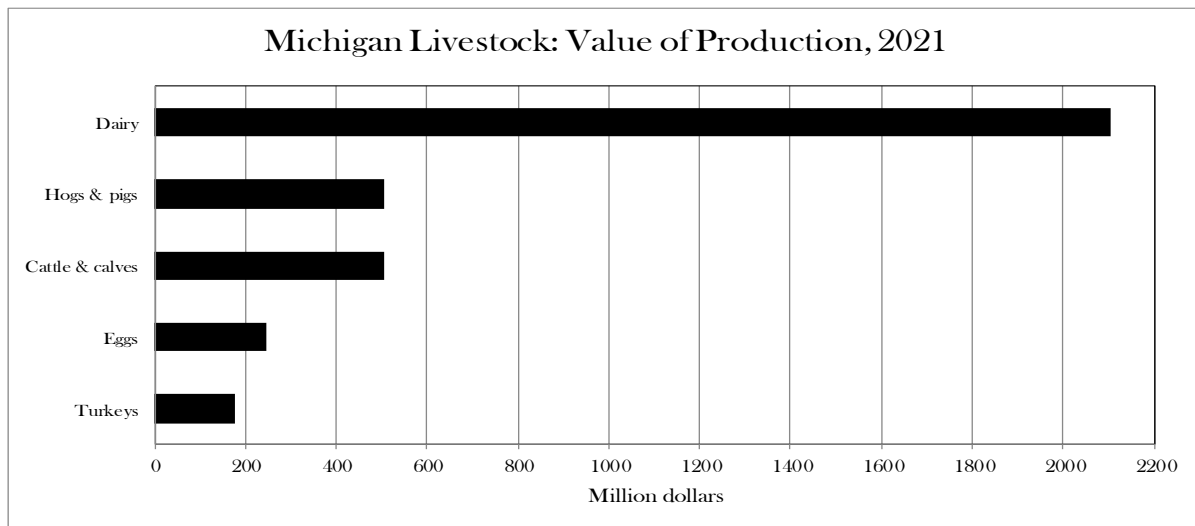
Cattle and calves: Production and income, 2017-2021

Year	Production ¹	Marketings ²	Value of production	Cash receipts ³	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
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	488,047	515,025	458,087	508,426	14,526	522,952
2021	479,994	523,850	507,122	572,358	16,084	588,442

¹ Adjustments made for changes in inventory and for inshipments.

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

³ Receipts from marketings and sale of farm slaughter.

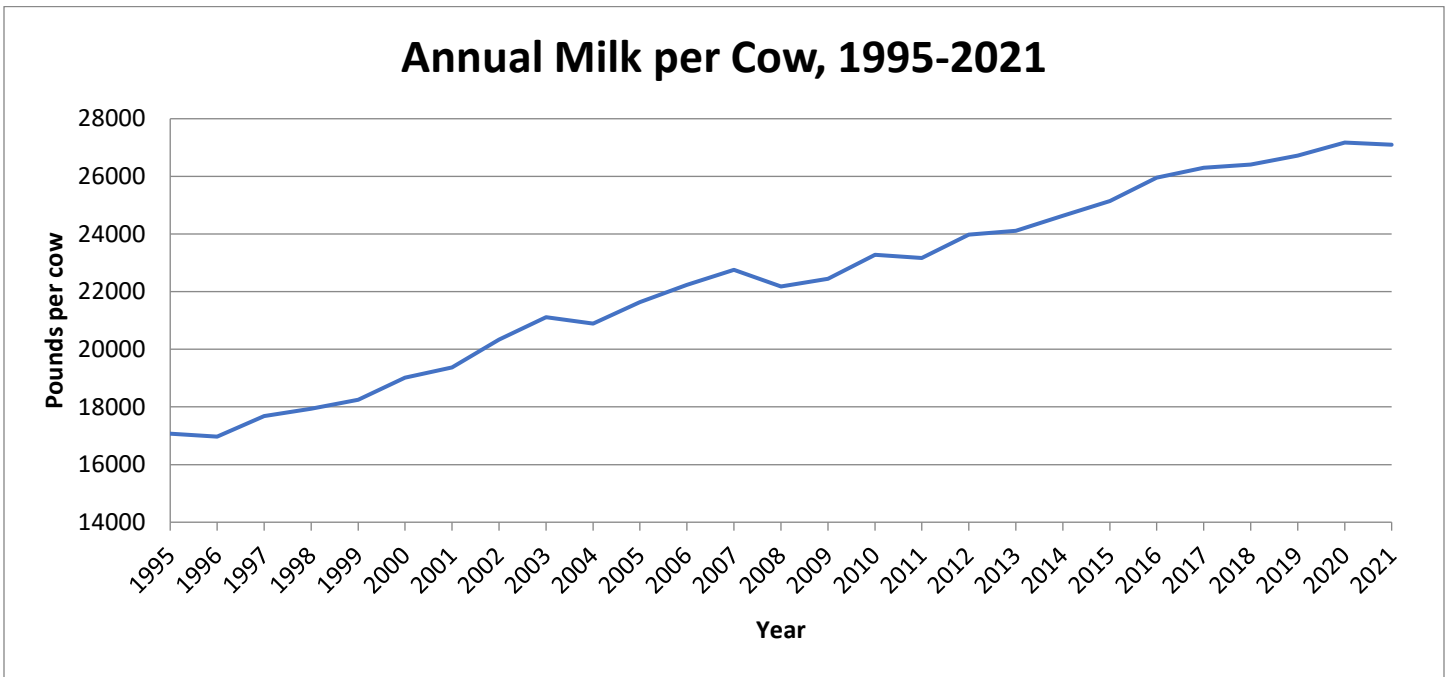


Dairy

Milk: Production, utilization, marketings, and value, 2017-2021

Item	Unit	2017	2018	2019	2020	2021
Production						
Total milk produced on farms	Million pounds	11,231	11,171	11,385	11,685	11,952
Milkfat produced	Million pounds	417.8	426.7	436.0	447.5	466.1
Milkfat	Percent	3.72	3.82	3.83	3.83	3.90
Utilization						
Milk used where produced						
Fed to calves	Million pounds	33	34	34	36	34
Used for milk, cream, and butter	Million pounds	2	2	2	2	2
Milk marketed by producers						
Average return per 100 pounds of milk	Dollars	16.40	14.90	17.30	16.40	17.60
Average return per pound milkfat	Dollars	4.41	3.90	4.52	4.28	4.51
Fluid grade	Percent	100	100	100	100	100
Total cash receipts	1,000 dollars	1,836,144	1,659,115	1,963,377	1,910,108	2,097,216
Value						
Value of milk used where produced ¹	1,000 dollars	328	298	346	328	352
Total value of milk produced	1,000 dollars	1,841,884	1,664,479	1,969,605	1,916,340	2,103,552

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



Milk cows: Number by month, 2017-2021

Month	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>
January	425	426	424	427	440
February	425	425	424	427	441
March	425	425	425	428	442
April	426	423	425	428	444
May	427	423	425	428	445
June	427	423	425	428	445
July	427	423	425	428	445
August	428	423	427	429	442
September	428	422	428	430	438
October	428	422	428	431	435
November	428	422	427	436	434
December	428	422	427	439	434
Annual	427	423	426	430	441

Milk production: Total by month, 2017-2021

Month	2017	2018	2019	2020	2021
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	931	937	958	974	1,016
February	863	861	871	918	926
March	963	961	971	999	1,036
April	948	935	950	965	1,012
May	989	986	999	989	1,039
June	948	948	971	976	1,010
July	963	948	958	989	1,032
August	954	948	967	995	1,012
September	899	895	929	955	961
October	935	926	954	978	981
November	905	895	907	950	942
December	933	931	950	997	985
Annual	11,231	11,171	11,385	11,685	11,952

Milk: Production per cow, by month, 2017-2021

Month	2017	2018	2019	2020	2021
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	2,190	2,200	2,260	2,280	2,310
February	2,030	2,025	2,055	2,150	2,100
March	2,265	2,260	2,285	2,335	2,345
April	2,225	2,210	2,235	2,255	2,280
May	2,315	2,330	2,350	2,310	2,335
June	2,220	2,240	2,285	2,280	2,270
July	2,255	2,240	2,255	2,310	2,320
August	2,230	2,240	2,265	2,320	2,290
September	2,100	2,120	2,170	2,220	2,195
October	2,185	2,195	2,230	2,270	2,255
November	2,115	2,120	2,125	2,180	2,170
December	2,180	2,205	2,225	2,270	2,270
Annual	26,302	26,409	26,725	27,174	27,102

Dairy Products, by Region, 2017-2021

Product	Region	2017	2018	2019	2020	2021
		<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Cheese, total ¹	Central	5,859.5	6,000.4	5,998.5	6,160.7	6,611.1
Cheese, American type ²	Central	2,581.5	2,637.3	2,600.8	2,687.2	2,964.0
Cheese, Italian	Central	2,202.0	2,250.2	2,270.7	2,301.1	2,402.7
Butter	Central	781.9	777.6	772.7	833.8	802.3
Cottage cheese, lowfat	Central	128.0	128.4	121.4	111.0	108.0
Cottage cheese, creamed	Central	168.9	181.9	182.9	186.7	169.4
Cottage cheese curd	Central	175.8	190.7	174.9	171.1	163.1
Yogurt, plain and flavored	Central	1,843.3	1,848.2	1,931.8	1,990.1	1,998.1
Condensed skim milk, unsweetened, bulk	Central	738.4	746.7	748.2	736.3	610.3
Nonfat dry milk for human food	Central	357.2	332.2	365.1	439.8	400.2
Dry whey for human food	Central	486.8	448.6	425.9	432.7	438.1
		<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	429,482	422,648	425,087	459,807	428,879
Ice cream, lowfat, total	Central	297,454	298,732	317,267	300,455	300,510
Sherbet, hard	Central	20,968	19,230	17,467	18,611	15,475
Frozen yogurt mix	Central	12,497	10,609	8,759	7,193	6,910
Ice cream mix, regular	Central	251,235	240,382	264,619	273,780	261,374
Ice cream mix, lowfat	Central	168,044	155,181	169,705	169,021	166,368
Ice cream mix, lowfat	Michigan	13,047	18,766	25,625	22,693	NA
		<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Number of Plants	United States	1,305	1,275	1,270	1,231	1,196
Number of Plants	Michigan	51	49	47	48	47

¹ Excluding cottage cheese.

² 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, 2021-2022

Month	Milk cows per head ¹	All milk per cwt
	<i>Dollars</i>	<i>Dollars</i>
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	18.30
November		19.70
December		20.70
2022		
January	1,410	23.20
February		23.80
March		24.90
April	1,680	26.40
May		26.50
June		26.30
July	1,750	25.30
August		23.90
September		
October		
November		
December		

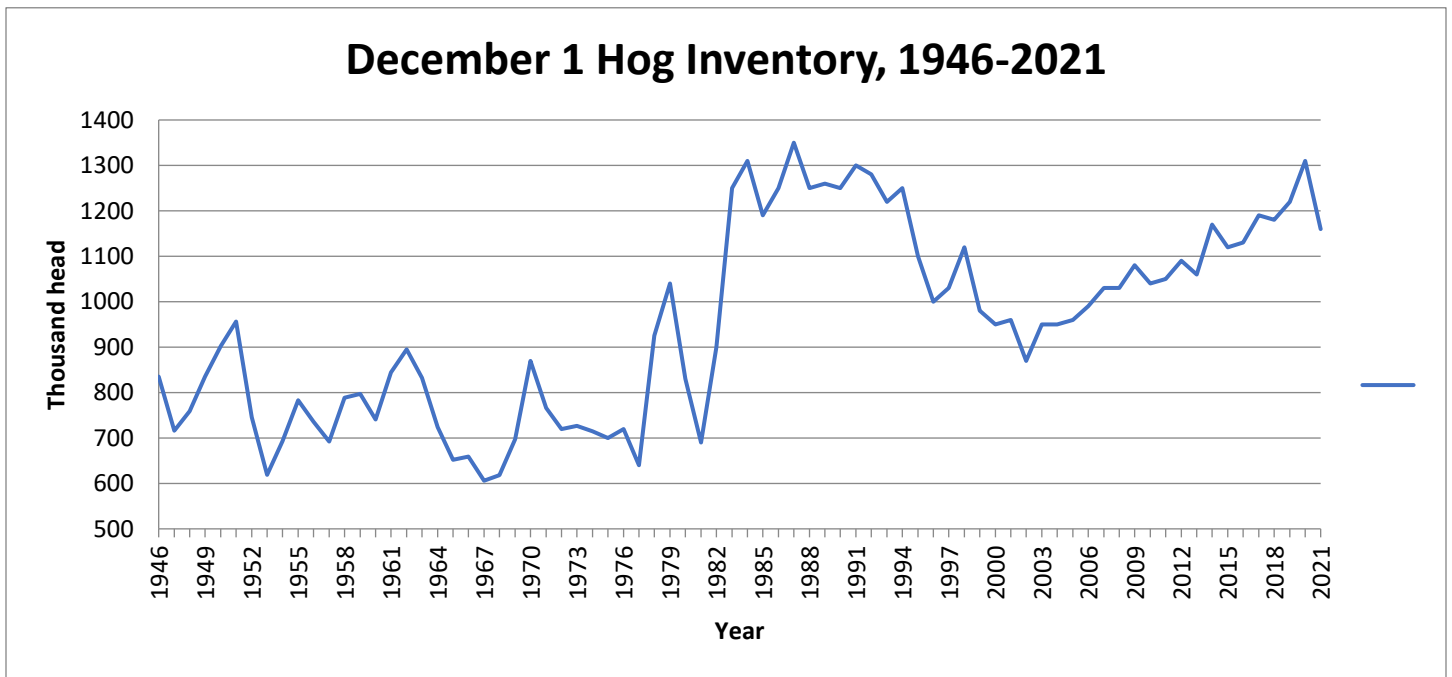
¹ Sold for dairy herd replacement only. Prices published January, April, July, and October.

Hogs and Pigs

Hogs and pigs: Inventory, 2018-2022

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							
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	345	300	265	260	1,170	120	1,290
2022	310	295	240	235	1,080	110	1,190
June 1							
2018	300	290	220	260	1,070	120	1,190
2019	320	320	230	260	1,130	120	1,250
2020	310	290	225	235	1,060	120	1,180
2021	330	290	220	255	1,095	115	1,210
2022	320	295	230	235	1,080	110	1,190
September 1							
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	315	225	245	1,115	115	1,230
2022	325	295	235	235	1,090	110	1,200
December 1							
2018	320	280	210	250	1,060	120	1,180
2019	340	310	220	250	1,120	120	1,220
2020	380	320	245	245	1,190	120	1,310
2021	320	275	210	245	1,050	110	1,160
2022 ¹							

¹ Published in December 2022.



Hogs and pigs: Sows farrowing and pig crop, 2017-2022

Year	December-February ¹			March-May		
	Sows farrowing	Pigs per litter	Pig crop	Sows farrowing	Pigs per litter	Pig crop
	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>
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	50	10.70	535
2022	52	11.10	577	51	10.80	551
	June-August			September-November		
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	53	10.80	572	50	11.10	555
2022	53	10.90	578	52		

¹ December of previous year.

Hogs and pigs: Balance sheet, 2017-2021

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings ¹	Farm slaughter ²	Deaths	Number on hand December 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
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	1,220
2020	1,220	2,465	225	2,495	2	103	1,310
2021	1,310	2,207	304	2,524	2	135	1,160

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

² Excludes custom slaughter for farmers at commercial establishments.

Hogs and pigs: Production and income, 2017-2021

Year	Production ¹	Marketings ²	Value of production	Cash receipts ³	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
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	716,543	716,718	343,565	347,609	534	348,143
2021	708,013	727,921	507,174	489,891	740	490,631

¹ Adjustments made for changes in inventory and for inshipments.

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

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

Honey

Honey: Production and value, 2017-2021 ¹

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
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	295	13,172	1,384
2021	101	51	5,151	297	15,298	1,957

¹ Includes only producers with 5 or more colonies.

² Stocks held by producers.

Mink

Mink: Farms, pelts produced and females bred to produce kits, 2018-2022

Year	2018	2019	2020	2021	2022
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Pelts produced	63,200	65,020	20,360	42,980	(¹)
Females bred to produce kits	17,180	17,340	1,270	11,290	10,670

¹ Published in July 2023.

Poultry

Chickens: Layers on hand, December 1, 2017-2021

Class	2017	2018	2019	2020	2021
	<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	14,737	16,149	15,076	14,618	15,673
Pullets not of laying age	3,655	3,476	3,835	3,859	4,252
Other chickens	4	4	3	3	7
All chickens (excluding broilers)	18,396	19,629	18,914	18,480	19,932

All eggs: Production and value, 2017-2021 ¹

Year	Eggs produced	Value of production
	<i>Million</i>	<i>1,000 dollars</i>
2017	4,226	220,431
2018	4,548	364,078
2019	4,517	196,213
2020	4,331	230,625
2021	4,542	244,590

¹ December 1 previous year through November 30.

All egg production, by month, 2017-2021

Month	2017	2018	2019	2020	2021
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	361	369	407	375	376
January	347	365	403	360	381
February	319	343	357	334	351
March	366	394	404	363	390
April	355	383	384	354	369
May	355	388	393	359	371
June	337	368	377	347	363
July	360	382	370	368	381
August	363	394	355	367	379
September	346	381	334	357	381
October	359	391	363	380	408
November	358	389	370	366	391
Total ¹	4,226	4,548	4,517	4,331	4,542

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

All layers: Average number on hand during the month, 2017-2021

Month	2017	2018	2019	2020	2021
	<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	14,109	14,747	16,150	15,091	14,644
January	14,079	14,857	16,140	14,784	14,768
February	14,331	15,301	16,157	14,380	15,016
March	14,375	15,554	16,257	14,472	15,051
April	14,286	15,249	16,172	14,430	14,941
May	14,338	15,074	15,767	14,159	14,810
June	14,326	15,157	15,210	14,429	14,598
July	14,335	15,262	14,637	14,878	14,832
August	14,125	15,671	14,109	14,744	15,189
September	14,041	15,926	13,986	14,542	15,522
October	14,320	15,845	14,483	14,660	15,745
November	14,601	16,003	14,959	14,671	15,680
Annual ¹	14,272	15,387	15,336	14,603	15,066

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

Turkeys: Number raised and production, 2017-2021 ¹

Year	Number produced	Pounds produced	Value of production
	<i>Thousand birds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>
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
2021	5,100	217,260	178,370

¹ December 1 previous year through November 30.

Sheep and Goats

Sheep and lambs: Number on farms by class, January 1, 2018-2022

Class	2018	2019	2020	2021	2022
	<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	41	45	45	47	46
Rams	3	3	3	4	3
Replacement lambs	13	14	12	12	14
Total market sheep and lambs	23	24	25	24	24
All sheep and lambs	80	86	85	87	87

Sheep and lambs: Lamb crop, 2017-2021

Year	Breeding ewes ¹	Lambs per 100 ewes ¹	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
2017	44	111	49
2018	41	122	50
2019	45	120	54
2020	45	124	56
2021	47	119	56

¹ Ewes 1 year and older January 1.

Sheep and lambs: Wool production and value, 2017-2021

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>
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
2021	63	5.9	370	54	200

Milk goats: Number, January 1, 2018-2022

Year	Milk
	<i>Head</i>
2018	11,000
2019	12,000
2020	12,000
2021	12,500
2022	11,500

Trout

Trout: Value of fish sold and distributed, 2017-2021

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>
2017	1,492	4,667	79	39
2018	1,588	2,565	152	39
2019	1,636	4,145	157	76
2020	1,809	4,505	(D)	(D)
2021	834	3,073	(D)	(D)

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

Principal counties for field crops, 2021 ¹

Rank	Corn for grain	Dry beans ³	Hay ²	Oats	Soybeans	Sugarbeets ³	Wheat
1	Sanilac	Huron	Sanilac	Sanilac	Sanilac	Huron	Huron
2	Lenawee	Tuscola	Missaukee	Huron	Lenawee	Sanilac	Sanilac
3	Huron	Sanilac	Osceola	Delta	Saginaw	Tuscola	Tuscola
4	Saginaw	Bay	Huron	Mason	Shiawassee	Saginaw	Lenawee
5	Tuscola	Saginaw	Chippewa	Isabella	Gratiot	Bay	Clinton

¹ Based on total production.

² Based on 2017 Census of Agriculture

³ 2018—Discontinued for 2019

Principal counties for livestock ¹

Rank	January 1, 2022 Cattle and calves	Hogs and pigs ²	January 1, 2022 Milk cows
1	Huron	Allegan	Huron
2	Sanilac	Cass	Clinton
3	Clinton	Mecosta	Sanilac
4	Gratiot	Kalamazoo	Allegan
5	Allegan	Ionia	Gratiot

¹ Based on number of head.

² Based on 2017 Census of Agriculture

Principal counties for fruits and vegetables, 2017 ¹

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

¹ Based on acres from 2017 Census of Agriculture.

Corn: Acreage, yield, and production, by county, 2020-2021 ¹

County	2020				2021			
	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	2,130	147.9	315	2,800	1,970	138.1	272
Dickinson	1,200	920	151.1	139	1,300	740	149.6	111
Menominee	16,000	8,300	133.7	1,110	(D)	(D)	(D)	(D)
Antrim	2,300	1,180	115.4	136	(D)	(D)	(D)	(D)
Benzie	1,200	1,010	139.6	141	1,100	860	155.1	133
Charlevoix	2,000	1,640	122.6	201	1,900	1,570	149.0	234
Emmet	900	470	120.9	57	1,000	600	135.8	82
Grand Traverse	6,200	5,270	113.1	596	6,300	5,250	156.8	823
Kalkaska	(D)	(D)	(D)	(D)	500	440	120.2	53
Leelanau	2,400	2,020	112.9	228	2,400	2,050	113.2	232
Manistee	4,200	3,690	120.3	444	5,200	4,440	140.5	624
Wexford	6,200	4,800	100.6	483	6,400	5,350	136.4	730
Alcona	2,400	1,950	132.8	259	(D)	(D)	(D)	(D)
Alpena	6,200	4,760	121.8	580	7,200	6,240	163.6	1,021
Iosco	6,100	4,560	128.3	585	5,800	4,480	161.6	724
Ogemaw	12,700	10,600	146.0	1,548	13,500	10,000	171.8	1,718
Otsego	1,000	780	115.3	90	1,300	1,110	141.7	157
Presque Isle	5,800	5,100	119.8	611	6,700	5,810	148.5	863
Lake	(D)	(D)	(D)	(D)	1,900	1,590	157.9	251
Mason	14,700	12,600	150.5	1,896	15,200	13,200	164.0	2,165
Muskegon	15,100	11,600	137.9	1,600	14,000	10,800	158.0	1,706
Newaygo	21,200	13,600	141.6	1,926	21,400	12,000	172.9	2,075
Oceana	13,200	11,600	130.8	1,517	13,000	11,700	154.0	1,802
Gladwin	7,700	6,360	136.0	865	(D)	(D)	(D)	(D)
Gratiot	(D)	(D)	(D)	(D)	96,800	78,800	172.0	13,554
Isabella	43,100	35,000	133.5	4,673	44,200	36,400	167.4	6,093
Mecosta	21,600	17,900	118.7	2,125	24,200	21,300	153.0	3,259
Midland	23,200	19,400	151.7	2,943	23,400	21,400	182.0	3,895
Montcalm	66,300	58,100	159.2	9,250	60,300	52,600	177.8	9,351
Arenac	16,900	14,700	137.7	2,024	17,800	15,100	187.8	2,836
Bay	51,200	46,800	160.2	7,497	47,600	44,100	187.8	8,282
Huron	100,000	76,000	185.6	14,102	100,000	73,500	213.0	15,656
Saginaw	91,200	85,000	162.5	13,813	90,000	85,000	177.9	15,122
Sanilac	109,000	86,200	179.9	15,508	108,000	89,000	212.0	18,868
Tuscola	76,500	68,600	168.4	11,549	78,900	72,500	205.3	14,884

See footnote(s) at end of table.

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Corn: Acreage, yield, and production, by county, 2020-2021 ¹ (continued)

County	2020				2021			
	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	78,900	67,400	148.8	10,029	76,900	62,300	172.0	10,716
Berrien	48,900	48,100	162.4	7,810	52,900	50,000	170.9	8,545
Cass	68,200	63,600	147.5	9,381	68,900	63,700	167.0	10,638
Kalamazoo	54,700	50,700	141.7	7,184	55,100	50,900	150.0	7,635
Kent	38,400	32,400	158.6	5,139	38,600	33,100	174.3	5,769
Ottawa	41,200	30,100	147.3	4,434	40,300	29,000	172.9	5,014
Van Buren	52,000	46,200	150.7	6,962	50,700	46,100	159.0	7,330
Barry	41,400	33,900	153.1	5,190	38,600	30,000	178.8	5,364
Branch	83,100	76,800	159.9	12,280	(D)	(D)	(D)	(D)
Calhoun	83,100	76,800	140.2	10,767	81,000	73,400	159.2	11,685
Clinton	78,200	54,900	146.1	8,021	74,400	56,400	171.7	9,684
Eaton	56,400	51,100	147.4	7,532	56,100	51,700	172.2	8,903
Hillsdale	70,500	60,800	156.5	9,515	72,100	62,300	179.1	11,158
Ingham	54,800	46,700	148.0	6,912	52,100	44,300	174.4	7,726
Ionia	78,500	60,500	147.6	8,930	74,900	59,000	174.0	10,266
Jackson	60,300	52,600	139.0	7,311	61,100	53,000	167.4	8,872
St Joseph	78,000	72,900	137.0	9,990	(D)	(D)	(D)	(D)
Shiawassee	53,500	46,500	155.1	7,212	56,400	48,900	162.3	7,938
Genesee	27,300	24,800	157.2	3,899	32,100	29,000	160.0	4,640
Lapeer	40,400	35,200	163.6	5,760	39,300	33,900	176.1	5,970
Lenawee	107,000	92,600	158.2	14,650	107,000	88,700	184.1	16,327
Livingston	19,900	17,400	158.2	2,753	20,000	17,100	165.7	2,833
Macomb	10,200	8,820	154.8	1,365	12,900	11,400	161.7	1,843
Monroe	61,200	59,000	147.4	8,697	56,000	52,400	193.8	10,155
Oakland	2,200	1,920	140.1	269	2,000	1,800	165.6	298
St Clair	26,500	23,100	170.2	3,932	29,200	25,800	174.5	4,502
Washtenaw	35,800	32,300	142.9	4,616	40,400	34,900	178.5	6,230
Wayne	1,300	1,240	131.6	163	1,700	1,530	126.6	194
Other counties	147,900	98,980	151.1	14,956	239,200	189,470	150.2	28,450
Michigan	2,350,000	1,990,000	153.0	304,470	2,350,000	1,990,000	174.0	346,260

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

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

Oats: Acreage, yield, and production, by county, 2020-2021 ¹

County	2020				2021			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Chippewa	1,200	680	45.0	30.6	1,400	630	51.0	32.1
Delta	1,200	690	62.0	42.8	1,500	720	72.4	52.1
Dickinson	600	290	48.3	14.0	900	380	53.9	20.5
Charlevoix	(D)	(D)	(D)	(D)	500	180	48.3	8.7
Emmet	500	250	34.4	8.6	400	230	44.8	10.3
Grand Traverse	2,500	1,150	48.7	56.0	1,700	780	46.2	36.0
Leelanau	300	150	56.0	8.4	400	200	50.5	10.1
Wexford	600	140	42.9	6.0	(D)	(D)	(D)	(D)
Iosco	1,000	390	66.4	25.9	(D)	(D)	(D)	(D)
Montmorency	700	340	51.5	17.5	(D)	(D)	(D)	(D)
Otsego	1,000	500	46.4	23.2	(D)	(D)	(D)	(D)
Presque Isle	3,200	1,540	49.6	76.4	2,100	440	70.2	30.9
Mason	3,500	1,650	67.9	112.0	1,500	730	66.2	48.3
Muskegon	900	500	51.4	25.7	400	140	67.1	9.4
Newaygo	1,400	670	42.4	28.4	900	370	69.7	25.8
Oceana	1,400	640	43.4	27.8	800	390	82.6	32.2
Clare	1,100	510	53.9	27.5	1,000	290	63.1	18.3
Gladwin	900	630	47.9	30.2	(D)	(D)	(D)	(D)
Gratiot	(D)	(D)	(D)	(D)	500	220	48.2	10.6
Isabella	2,200	810	62.3	50.5	2,200	740	64.9	48.0
Mecosta	2,200	1,090	35.7	38.9	1,400	660	53.9	35.6
Montcalm	2,400	840	46.1	38.7	1,900	630	51.4	32.4
Osceola	1,400	590	35.8	21.1	800	330	47.3	15.6

See footnote(s) at end of table.

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Oats: Acreage, yield, and production, by county, 2020-2021 ¹ (continued)

County	2020				2021			
	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	2,500	1,210	84.3	102.0	1,800	670	100.0	67.0
Saginaw	1,500	300	70.7	21.2	700	310	75.2	23.3
Sanilac	3,000	500	83.8	41.9	2,300	730	92.7	67.7
Tuscola	1,000	380	93.4	35.5	(D)	(D)	(D)	(D)
Kent	1,600	730	49.0	35.8	1,000	430	50.0	21.5
Ottawa	800	280	61.1	17.1	300	100	58.0	5.8
Calhoun	500	270	58.9	15.9	(D)	(D)	(D)	(D)
Clinton	1,100	460	86.7	39.9	800	150	88.7	13.3
Eaton	(D)	(D)	(D)	(D)	400	100	65.0	6.5
Hillsdale	1,000	100	62.0	6.2	(D)	(D)	(D)	(D)
Ionia	1,000	590	54.6	32.2	1,100	490	67.6	33.1
Jackson	500	210	51.0	10.7	500	220	70.0	15.4
Shiawassee	1,200	690	86.5	59.7	(D)	(D)	(D)	(D)
Lapeer	800	370	77.8	28.8	700	210	79.0	16.6
Lenawee	400	150	36.0	5.4	(D)	(D)	(D)	(D)
St Clair	400	220	73.6	16.2	(D)	(D)	(D)	(D)
Other counties	22,500	9,490	49.7	471.3	25,100	8,530	60.1	512.9
Michigan	70,000	30,000	55.0	1,650.0	55,000	20,000	63.0	1,260.0

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

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

Soybeans: Acreage, yield, and production, by county, 2020-2021 ¹

County	2020				2021			
	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	1,200	40.9	49
Alcona	1,800	1,800	44.0	79	2,000	1,990	47.5	95
Alpena	9,400	9,330	42.6	397	11,400	11,400	42.5	485
Iosco	3,500	3,490	37.0	129	4,000	3,990	57.1	228
Montmorency	3,000	2,990	44.5	133	3,500	3,500	48.3	169
Ogemaw	5,200	5,180	45.9	238	5,800	5,800	45.7	265
Otsego	(D)	(D)	(D)	(D)	1,000	1,000	45.8	46
Presque Isle	7,700	7,680	37.4	287	9,200	9,050	36.9	334
Mason	7,400	7,360	43.6	321	6,600	6,600	47.9	316
Muskegon	6,700	6,630	42.5	282	7,100	7,080	44.1	312
Newaygo	7,500	7,240	42.8	310	5,300	5,270	46.9	247
Oceana	4,900	4,830	38.9	188	4,700	4,650	48.6	226
Gladwin	12,300	12,200	47.4	578	(D)	(D)	(D)	(D)
Gratiot	(D)	(D)	(D)	(D)	85,500	85,200	50.5	4,303
Isabella	61,900	61,700	48.8	3,011	58,300	58,000	50.4	2,923
Mecosta	6,900	6,790	42.6	289	(D)	(D)	(D)	(D)
Midland	27,300	27,200	46.6	1,268	26,000	25,900	49.2	1,274
Montcalm	27,700	27,600	47.1	1,300	28,200	28,100	50.7	1,425
Arenac	19,900	19,800	43.3	857	19,400	19,100	48.1	919
Bay	52,300	52,100	50.0	2,605	53,500	53,300	51.5	2,745
Huron	52,000	51,300	58.9	3,022	56,900	56,400	57.2	3,226
Saginaw	118,500	118,100	51.8	6,118	115,500	115,100	50.0	5,755
Sanilac	123,000	122,500	53.7	6,584	127,500	127,200	55.3	7,033
Tuscola	67,900	67,600	52.1	3,522	68,600	68,400	57.0	3,899
Allegan	42,500	42,400	44.4	1,883	(D)	(D)	(D)	(D)
Berrien	48,500	48,400	47.3	2,289	45,000	44,800	50.7	2,271
Cass	50,500	50,300	47.2	2,374	48,400	48,200	55.1	2,656
Kalamazoo	32,000	31,900	49.9	1,591	30,700	30,600	53.1	1,625
Kent	26,800	26,700	48.1	1,284	23,300	23,200	59.3	1,376
Ottawa	24,200	24,000	45.8	1,099	21,500	21,400	47.2	1,010
Van Buren	24,300	24,100	47.6	1,147	26,300	26,200	51.5	1,349
Barry	34,100	34,000	46.4	1,578	31,600	31,500	50.9	1,603
Branch	75,200	74,800	47.1	3,523	(D)	(D)	(D)	(D)
Calhoun	74,300	73,900	43.1	3,185	75,300	75,000	46.0	3,450
Clinton	68,700	68,400	45.8	3,133	67,900	67,700	55.6	3,764
Eaton	78,000	77,700	46.4	3,605	76,600	76,000	54.6	4,150
Hillsdale	79,500	79,100	49.7	3,931	79,400	79,100	49.9	3,947
Ingham	56,300	56,000	45.7	2,559	56,800	56,600	52.7	2,983
Ionia	66,900	66,600	47.2	3,144	61,700	61,500	56.5	3,475
Jackson	46,800	46,700	41.2	1,924	44,200	44,000	49.1	2,160
St Joseph	59,500	59,300	53.9	3,196	(D)	(D)	(D)	(D)
Shiawassee	100,500	100,100	50.5	5,055	89,600	89,300	50.9	4,545

See footnote(s) at end of table.

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Soybeans: Acreage, yield, and production, by county, 2020-2021 ¹ (continued)

County and district	2020				2021			
	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	45,100	44,900	44.8	2,012	41,500	41,300	43.4	1,792
Lapeer	46,300	46,100	49.2	2,268	46,000	45,800	46.9	2,148
Lenawee	130,000	129,900	47.6	6,183	126,000	125,500	50.8	6,375
Livingston	18,400	18,300	48.2	882	20,000	19,900	50.3	1,001
Macomb	28,400	28,000	47.5	1,330	25,400	25,200	45.0	1,134
Monroe	83,200	83,100	42.5	3,532	82,500	82,200	51.8	4,258
Oakland	4,600	4,580	37.6	172	3,100	3,090	45.0	139
St Clair	67,400	67,200	48.1	3,232	65,000	64,900	43.8	2,843
Washtenaw	51,200	51,000	41.7	2,127	46,700	46,500	52.8	2,455
Wayne	4,100	3,900	38.7	151	3,500	3,470	42.7	148
Other counties	105,900	105,200	49.6	5,213	210,800	208,810	48.9	10,210
Michigan	2,200,000	2,190,000	48.0	105,120	2,150,000	2,140,000	51.0	109,140

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

² District estimates were discontinued in 2020.

Wheat: Acreage, yield, and production, by county, 2020-2021 ¹

County	2020				2021			
	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	1,200	1,100	45.8	50	(D)	(D)	(D)	(D)
Kalkaska	(D)	(D)	(D)	(D)	1,100	990	61.9	61
Manistee	200	100	46.0	5	(D)	(D)	(D)	(D)
Missaukee	1,100	1,000	49.9	50	1,100	1,000	64.6	65
Iosco	700	600	60.8	37	(D)	(D)	(D)	(D)
Ogemaw	2,800	2,700	58.5	158	3,800	3,450	67.5	233
Otsego	1,200	1,100	52.9	58	(D)	(D)	(D)	(D)
Mason	1,700	1,600	54.8	88	5,800	5,360	72.6	389
Muskegon	3,000	1,400	47.1	66	3,400	2,950	65.8	194
Newaygo	2,400	2,200	55.5	122	4,200	3,890	74.8	291
Oceana	2,400	2,200	48.6	107	3,200	2,910	67.4	196
Gladwin	1,000	900	60.6	55	2,500	2,270	74.9	170
Gratiot	12,900	11,500	64.1	737	22,100	20,700	83.7	1,733
Isabella	8,000	7,000	71.0	497	14,700	13,500	79.2	1,069
Mecosta	1,700	1,600	59.7	96	(D)	(D)	(D)	(D)
Midland	2,200	1,500	67.3	101	4,500	3,710	86.5	321
Montcalm	11,000	9,000	56.0	504	17,400	15,700	67.4	1,058
Osceola	1,100	1,000	64.4	64	2,000	1,850	72.4	134

See footnote(s) at end of table.

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Wheat: Acreage, yield, and production, by county, 2020-2021 ¹ (continued)

County	2020				2021			
	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	5,600	5,100	72.0	367	7,900	7,290	79.6	580
Bay	13,500	12,500	80.2	1,003	18,000	16,900	83.9	1,418
Huron	69,000	65,000	94.7	6,153	76,400	71,800	91.7	6,585
Saginaw	16,200	14,400	74.9	1,079	25,000	23,500	84.6	1,988
Sanilac	50,000	47,500	91.1	4,327	54,500	51,000	89.9	4,585
Tuscola	30,000	28,000	85.5	2,394	36,700	34,200	88.2	3,016
Allegan	3,600	3,400	62.9	214	6,200	5,650	68.0	384
Cass	(D)	(D)	(D)	(D)	2,700	2,290	54.1	124
Kalamazoo	3,400	3,200	66.9	214	3,500	3,170	69.7	221
Kent	2,800	2,600	51.2	133	6,400	5,920	69.1	409
Ottawa	1,600	1,500	57.5	86	4,400	4,040	75.0	303
Barry	6,000	5,500	52.5	289	9,000	8,310	70.8	588
Branch	3,600	3,300	61.8	204	4,300	3,900	72.1	281
Calhoun	4,800	4,400	56.8	250	5,300	4,910	60.9	299
Clinton	20,000	18,500	73.9	1,367	25,200	23,300	87.0	2,027
Eaton	15,000	14,200	66.8	949	18,800	17,500	71.4	1,250
Hillsdale	12,500	11,700	68.1	797	12,400	11,600	75.6	877
Ingham	14,200	13,200	70.8	935	15,300	14,100	74.8	1,055
Ionia	11,000	10,400	74.1	771	18,100	16,900	85.4	1,443
Jackson	7,800	7,400	64.9	480	7,800	7,160	63.5	455
St Joseph	5,000	3,400	68.5	233	5,300	3,800	62.1	236
Shiawassee	20,000	18,100	74.9	1,356	24,900	23,400	74.3	1,739
Genesee	6,900	5,600	68.0	381	5,700	5,260	68.8	362
Lapeer	6,800	6,300	71.1	448	6,700	6,080	81.3	494
Lenawee	31,000	29,000	71.2	2,065	34,400	32,000	91.7	2,934
Livingston	6,800	6,300	67.5	425	6,200	5,740	70.7	406
Macomb	3,300	3,000	73.7	221	3,100	2,810	82.2	231
Monroe	17,500	16,100	71.5	1,151	21,400	19,700	88.9	1,751
Oakland	900	900	67.3	61	1,800	1,630	65.6	107
St Clair	12,000	11,400	72.9	831	12,400	11,500	82.5	949
Washtenaw	12,500	11,700	65.7	769	12,800	11,800	77.0	909
Other counties	22,100	19,900	50.4	1,004	31,600	24,560	58.6	1,440
Michigan	490,000	450,000	75.0	33,750	610,000	560,000	81.0	45,360

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

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

Cattle: January 1, by county, 2021-2022

County	All cattle and calves		Milk cows		County	All cattle and calves		Milk cows	
	2021	2022	2021	2022		2021	2022	2021	2022
	<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	4,100	1,500	1,300	Manistee	1,800	1,700	(D)	100
Alger	2,000	2,000	500	500	Marquette	1,500	1,400	500	400
Allegan	50,000	49,000	23,500	23,500	Mason	9,700	9,500	2,900	3,200
Alpena	8,900	8,700	3,600	3,800	Mecosta	15,900	15,200	5,400	5,000
Antrim	4,500	4,300	(D)	(D)	Menominee	17,500	17,000	7,700	7,400
Arenac	8,200	8,100	3,600	3,500	Midland	7,200	7,200	(D)	(D)
Baraga	(D)	1,400			Missaukee	31,000	30,500	17,900	18,300
Barry	31,500	31,000	16,000	16,000	Monroe	3,700	3,600	700	600
Bay	5,200	5,300	1,900	2,000	Montcalm	25,500	25,000	11,200	10,700
Benzie	1,100	1,000			Montmorency	2,200	2,200	700	800
					Muskegon	13,100	12,800	6,700	6,400
Berrien	4,400	4,200	1,200	1,200					
Branch	12,200	11,500	4,000	3,900	Newaygo	27,000	27,000	14,300	13,700
Calhoun	13,900	13,200	5,000	4,900	Oakland	(D)	800	(D)	(D)
Cass	4,500	4,400	600	600	Oceana	8,400	8,100	3,300	3,100
Charlevoix	3,300	3,100	900	700	Ogemaw	16,000	15,500	7,600	7,600
Cheboygan	5,500	5,300	900	800	Ontonagon	1,900	1,700	(D)	(D)
Chippewa	6,400	6,200	800	800	Osceola	19,100	18,800	7,200	6,900
Clare	9,200	8,900	3,000	3,000	Oscoda	3,700	3,500	1,200	1,100
Clinton	61,000	61,000	32,500	32,000	Otsego	1,300	1,100	(D)	
Crawford	(D)	(D)			Ottawa	41,000	40,000	15,400	15,100
Delta	6,900	6,700	1,800	1,600	Presque Isle	5,100	4,900	1,300	1,200
Dickinson	2,700	2,500	500	500	Roscommon	(D)	200		
Eaton	12,100	12,000	2,300	2,100	Saginaw	7,900	7,800	3,000	2,800
Emmet	3,800	3,600	300	300	Sanilac	68,000	67,000	28,500	27,500
Genesee	5,800	5,500	1,500	1,400	Schoolcraft	(D)	800	(D)	
Gladwin	6,200	6,000	1,100	1,100	Shiawassee	17,700	17,500	6,500	6,600
Gogebic	(D)	200			Tuscola	21,500	21,500	7,300	7,300
Grand Traverse	3,100	3,000	200	200	Van Buren	12,700	12,500	6,300	6,000
Gratiot	51,000	50,000	22,000	22,500					
Hillsdale	26,000	26,000	12,000	11,600	Washtenaw	9,800	9,800	2,400	2,400
					Wayne	200	200		
Houghton	1,600	1,600	500	600	Wexford	3,500	3,500	1,000	1,200
Huron	145,000	145,000	48,000	48,500					
Ingham	15,700	15,500	6,100	6,400	Other counties	4,700	100	6,200	5,300
Ionia	48,000	47,000	19,800	19,000					
Iosco	6,900	6,700	2,300	2,200	Michigan	1,140,000	1,120,000	440,000	434,000
Iron	1,200	1,100							
Isabella	24,500	24,000	8,300	8,400					
Jackson	15,200	15,100	3,500	3,500					
Kalamazoo	12,500	12,000	6,300	6,300					
Kalkaska	700	800	(D)	100					
Kent	28,000	27,000	9,300	9,100					
Keweenaw	(D)								
Lake	2,000	1,800	(D)	400					
Lapeer	15,200	15,000	3,500	3,300					
Leelanau	2,100	1,900	200	200					
Lenawee	33,000	32,500	14,500	14,500					
Livingston	7,300	7,300	2,100	2,000					
Luce	(D)	900							
Mackinac	3,000	3,000	900	1,000					
Macomb	4,900	4,800	700	700					

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

Useful Agriculture Internet Sites

State and Federal Agencies

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

Commodity Groups

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

Other Related Sites

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

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National Agricultural Statistics Service (NASS)

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