

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
2	Beans, dry, small red	Cwt	445	46.9	Michigan
	Beans, dry, all	Cwt	5,011	22.0	North Dakota
	New Guinea Impatients	Dollars	12,752	15.9	New York
3	Vinca	Dollars	4,338	8.1	Texas
	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
4	Alfalfa haylage and greenchop	Tons	2,112	10.4	Wisconsin
	Sugarbeets	Tons	5,311	14.4	Minnesota
5	Beans, dry, light red kidney	Cwt	104	8.2	Minnesota
	Blueberries	Pounds	72,900	10.9	Washington
	Maple syrup	Gallons	190	3.8	Vermont
6	Pumpkins	Cwt	892	5.4	Illinois
	Bell peppers	Cwt	420	4.2	California
	Cabbage	Cwt	1,748	8.3	California
7	Milk	Pounds	11,952,000	5.3	California
	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
8	Corn Silage	Tons	6,970	5.3	Wisconsin
9	Honey	Pounds	5,151	4.1	North Dakota
11	Winter wheat	Bushels	45,360	3.6	Kansas
12	Milk goats, January 1, 2022	Head	11.5	2.8	Wisconsin
	Turkeys, raised	Head	5,000	2.3	Minnesota
13	Corn for grain	Bushels	346,260	2.3	Iowa
	Oats	Bushels	1,260	3.2	Minnesota
14	Hogs, December 1, 2021	Head	1,160	1.6	Iowa
	Soybeans	Bushels	109,140	2.5	Illinois
17	Hay, alfalfa	Tons	1,736	3.5	Idaho
28	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

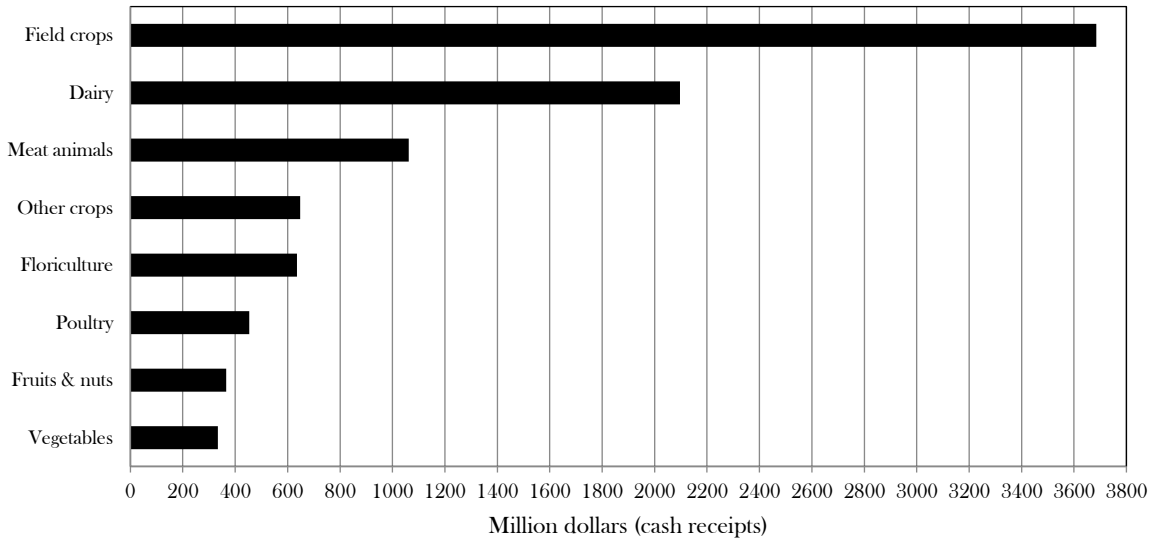
Year	Farm real estate average value per acre	Cropland		Pasture
		Average value per acre	Average cash rent per acre	Average value per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2018	4,960	4,510	123	2,600
2019	4,960	4,500	127	2,590
2020	4,950	4,480	128	2,600
2021	5,300	4,700	138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

Government payments, 2017-2021 ¹

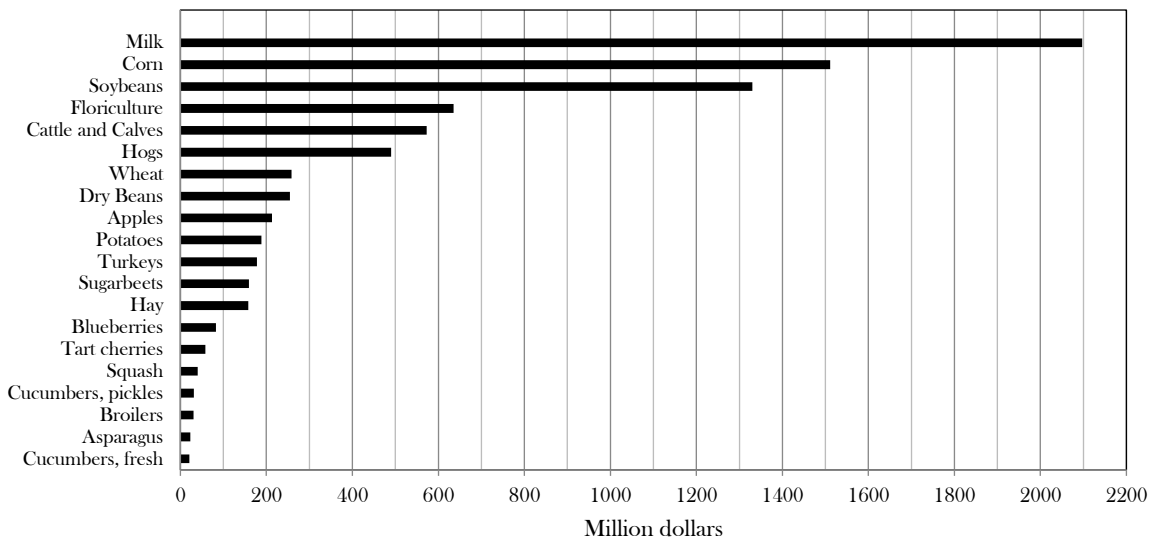
Program	2017	2018	2019	2020	2021
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Market Facilitation program		110,829	278,320	68,383	239
Conservation programs	38,564	39,223	44,216	39,606	38,768
BCAP-Biomass assistance program	30	0	0	0	0
Direct 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