



Agriculture Across Michigan

Farm Production Expenditures Up More than 3 Percent

Farm production expenditures in the United States were \$359.8 billion for 2017, up from \$346.9 billion in 2016. The 2017 total farm production expenditures are up 3.7 percent compared with 2016 total farm production expenditures. All but four expenditure items increased from the previous year.

The four largest expenditures at the United States level total \$176.2 billion and account for 49.0 percent of total expenditures in 2017. These include feed, 15.3 percent, farm services, 12.2 percent, livestock, poultry, and related expenses, 11.7 percent, and labor, 9.8 percent.

In 2017, the United States total farm expenditure average per farm is \$176,352, up 4.3 percent from \$169,035 in 2016. On average, United States farm operations spent \$27,056 on feed, \$20,635 on livestock, poultry, and related expenses, \$21,468 on farm services, and \$17,204 on labor. For 2016, United States farms spent an average of \$27,092 on feed, \$20,319 on farm services, \$19,491 on livestock, poultry, and related

expenses, and \$16,616 on labor.

The United States economic sales class contributing most to the 2017 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$114.9 billion, (31.9 percent of the United States total), up 1.7 percent from the 2016 level of \$113.0 billion. The next highest is the \$5,000,000 and over class with \$84.2 billion, up from \$80.6 billion in 2016.

The Midwest region, which includes Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin, contributed the most to United States total expenditures with expenses of \$109.1 billion (30.3 percent), up from \$108.9 billion in 2016. Other regions, ranked by total expenditures, are the Plains at \$93.7 billion (26.0 percent), West at \$77.7 billion (21.6 percent), Atlantic at \$43.1 billion (12.0 percent), and South at \$36.2 billion (10.1 percent). The West increased \$6.34 billion from 2016, which is the largest regional increase.

Farm Real Estate Values and Cash Rents

The 2018 average Michigan farm real estate value, including land and buildings, averaged \$4,780 per acre. Farm real estate values in Michigan were down 0.4 percent from 2017. Michigan is in the Lake States region, which also includes Minnesota and Wisconsin. The Lakes States region value was \$4,890 per acre, unchanged from 2017. The value of farmland in States bordering Michigan were: Wisconsin, \$5,320 per acre; Ohio, \$5,740 per acre; and Indiana, \$7,100 per acre.

Michigan's cropland value decreased 2.2 percent from the previous year to \$4,350 per acre. The Lake States region saw a 0.6 percent decrease to \$4,800 per acre. The average

value of cropland in the U.S. increased from 2017 to \$4,130 per acre. Michigan's pasture value decreased 1.6 percent from last year to \$2,510 per acre.

Michigan's cropland cash rent was \$123.00 per acre in 2018, unchanged from the previous year. Cropland cash rents in the Lake States also remained unchanged from last year at \$153.00 per acre. The cropland cash rents in the States bordering Michigan were: Wisconsin, \$140.00 per acre; Ohio, \$152.00 per acre; and Indiana, \$198.00 per acre.

Pasture cash rents in the Lake States region increased 1.5 percent to \$34.00 per acre. Pasture cash rent in the U.S. was \$12.50 per acre.

August 1 Crop Forecast

Despite dry weather through much of July, Michigan growers expect a relatively productive year. This report is based on conditions as of August 1, 2018. Michigan corn producers expect a yield of 158 bushels per acre, down 1 bushel from the previous year. Production is projected to decrease by 3 percent from last year. Soybean production in the State is expected to total 105.3 million bushels, up 9 percent from a year earlier. The yield is forecast at 46 bushels per acre, a 3.5 bushel increase from 2017. Winter wheat production in Michigan is expected to total 39.0 million bushels. The yield is forecast at 78 bushels, down 1 bushel from last year's yield. Producers of dry beans are

expecting their crop to yield 2,020 pounds per acre, up 10 pounds from last year. Production is expected to decline by 14 percent from 2017; a result of the lower acres harvested.

The Michigan 2018 apple production forecast is 1.18 billion pounds, up from 840 million pounds last year. The grape forecast is 70,000 tons, compared with 63,600 tons in 2017. The peach forecast is 9,870 tons, up from 9,100 tons last year. The U.S. apple production forecast is 11.5 billion pounds, up less than 1 percent from the previous year. The U.S. grape forecast is 7.66 million tons, up 4 percent from last year. The national peach crop forecast is 732,050 tons, up 5 percent from last year.

Area Planted and Harvested, Yield, and Production by Crop – Michigan and United States: 2016 - 2018

Commodity	Michigan			United States		
	2016	2017	2018	2016	2017	2018
Beans, dry						
Planted.....1,000 acres	210.0	220.0	190.0	1,662.0	2,092.0	2,054.0
Harvested.....1,000 acres	208.0	218.5	188.0	1,558.1	2,012.7	1,987.0
Yield.....Pounds	1,920	2,010	2,020	1,842	1,781	1,809
Production.....1,000 cwt	4,002	4,394	3,798	28,703	35,845	35,938
Corn, all						
Planted.....1,000 acres	2,400	2,250	2,300	94,004	90,167	89,128
Corn, grain						
Harvested.....1,000 acres	2,040	1,890	1,850	86,748	82,703	81,770
Yield.....Bushels	157.0	159.0	158.0	174.6	176.6	178.4
Production.....1,000 bu	320,280	300,510	292,300	15,148,038	14,604,067	14,586,485
Hay, alfalfa						
Harvested.....1,000 acres	640	610	620	16,885	16,563	17,351
Yield.....Tons	3.00	2.80	2.60	3.45	3.32	3.33
Production.....1,000 tons	1,920	1,708	1,612	58,263	55,068	57,778
Hay, other						
Harvested.....1,000 acres	230	290	300	36,596	37,221	37,717
Yield.....Tons	1.90	1.50	1.40	2.10	2.05	1.88
Production.....1,000 tons	437	435	420	76,732	76,387	70,726
Oats						
Planted.....1,000 acres	65	55	80	2,829	2,588	2,889
Harvested.....1,000 acres	30	40	50	981	801	1,009
Yield.....Bushels	58	54	58	66.0	61.7	65.1
Production.....1,000 bu	1,740	2,160	2,900	64,770	49,391	65,668
Soybeans						
Planted.....1,000 acres	2,070	2,280	2,300	83,433	90,142	89,557
Harvested.....1,000 acres	2,060	2,270	2,290	82,696	89,522	88,862
Yield.....Bushels	50.5	42.5	46.0	52.0	49.1	51.6
Production.....1,000 bu	104,030	96,475	105,340	4,296,086	4,391,553	4,585,916
Sugarbeets						
Planted.....1,000 acres	151.0	144.0	150.0	1,163.4	1,131.2	1,124.4
Harvested.....1,000 acres	149.0	143.0	148.6	1,126.4	1,114.1	1,083.3
Yield.....Tons	30.8	25.2	30.0	32.8	31.7	32.5
Production.....1,000 tons	4,589	3,604	4,458	36,920	35,325	35,250
Wheat, winter						
Planted.....1,000 acres	610	480	550	36,152	32,696	32,732
Harvested.....1,000 acres	570	425	500	30,237	25,291	24,816
Yield.....Bushels	89	79	78	55.3	50.2	47.9
Production.....1,000 bu	50,730	33,575	39,000	1,672,582	1,269,437	1,189,199

Chickens and Eggs

All layers in Michigan totaled 15.1 million during June, up 5 percent from a year ago. Egg production totaled 366 million eggs, up 9 percent from last year. The rate of lay during June was 2,426 eggs per 100 layers. All layers in the

U.S. totaled 385.7 million during June, up 4 percent from a year ago. There were 23.4 million turkey poults hatched in the U.S. in June, down 7 percent from the previous year.

Egg and Hatchery Production, June 2018

Item		2017	2018	Percent Change
Michigan				
All layers	Thousand	14,326	15,096	5
Eggs per hundred layers	Number	2,354	2,426	3
Eggs produced	Million	337	366	9
U.S.				
All Layers	Thousand	372,430	385,747	4
Eggs per hundred layers	Number	2,319	2,289	-1
Eggs produced	Million	8,636	8,829	2
Turkey Eggs in incubators, Jul 1	Thousand	29,318	28,447	-3
Turkey Poults hatched, Jun	Thousand	25,125	23,422	-7

June Agricultural Prices

Prices received by Michigan farmers for the full month of June 2018 are listed in the table below. Some Michigan highlights were: June corn, at \$3.74 per bushel, decreased \$0.09 from May and increased \$0.16 from last year; June soybeans, at \$9.84 per bushel, decreased \$0.26 from last

month and increased \$0.41 from last year; June wheat, at \$5.06 per bushel, increased \$0.09 from May and increased \$0.78 from last year; June milk, at \$14.80 per cwt., was unchanged from last month and decreased \$1.00 from last year.

Prices Received by Farmers¹, June 2018

Commodity	Michigan			United States		
	Jun 2017	May 2018	Jun 2018	Jun 2017	May 2018	Jun 2018
Beans, dry edible.....dollars/cwt	31.00	30.90	32.00	30.60	27.50	23.40
Corn.....dollars/bu	3.58	3.83	3.74	3.43	3.67	3.58
Hay, alfalfadollars/ton	155.00	160.00	130.00	154.00	189.00	181.00
Hay, otherdollars/ton	110.00	145.00	110.00	125.00	122.00	121.00
Oats.....dollars/bu	3.02	3.46	3.27	2.74	3.14	3.04
Soybeansdollars/bu	9.43	10.10	9.84	9.10	9.84	9.55
Wheat, winterdollars/bu	4.28	4.97	5.06	4.11	5.05	5.05
Milk, alldollars/cwt	15.80	14.80	14.80	17.30	16.20	16.30

¹ Entire month weighted average price.

June Milk Production

Dairy herds in Michigan produced 960 million pounds of milk during June, up 1.3 percent from a year ago. The daily rate per cow was 75.7 pounds, up 1.7 pounds from June 2017. The dairy herd was estimated at 423,000 head for June, down 4,000 head from a year earlier. The average price of milk sold in June by Michigan dairy producers was \$14.80 per cwt., \$1.00 less than the price in June 2017.

Michigan Dairy Summary, June 2018

Item		2016	2017	2018
Cows	1,000 Hd	419	427	423
Milk per cow	Lb/day	73.3	74.0	75.7
Production	Mil lbs	922	948	960
Milk price, all	Dol/cwt	13.70	15.80	14.80
Fat test	Pct	3.54	3.60	3.52
Protein ¹	Pct	3.02	3.04	3.01

¹ FMO 33

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Thank You to our Data Providers

The USDA, NASS, Great Lakes Region and enumerator staff are pleased to provide you and the Michigan agricultural industry with current, reliable information as summarized in the following articles. This service is possible because you and other respondents provided us with timely survey responses. Thank you!