



# Agriculture Across Michigan

## Biotechnology Varieties

The use of biotechnology varieties for corn increased in Michigan in 2019. Biotechnology varieties accounted for 89 percent of the corn acres planted in Michigan, up from 85 percent last year. Soybean plantings included 92 percent biotechnology varieties, down 1 percentage point from last year.

Nationally, biotechnology varieties of corn totaled 92 percent of the acres planted, unchanged from 2018. Soybean acreage planted to biotech varieties was also unchanged at 94 percent.

The following data is based on responses from the June Agricultural Survey. Farmers were asked if they planted corn or soybeans that, through biotechnology, are resistant to herbicides, insects, or both. Conventionally bred herbicide resistant varieties are excluded. Insect resistant varieties include only those containing *bacillus thuringiensis* (Bt). The Bt varieties include those that contain more than one gene that can resist different types of insects. Stacked gene varieties include only those containing biotech traits for both herbicide and insect resistance.

## June 1 Grain Stocks

On June 1, 2019, Michigan corn stocks totaled 98.9 million bushels, 3 percent lower than a year earlier. About 57 percent of the corn was stored on farms. The third quarter disappearance was 76.8 million bushels, compared with 51.9 million bushels a year earlier. Soybean stocks on June 1, 2019, were 44.8 million bushels. That was 100 percent higher than stocks a year earlier and a June 1 record high. The third quarter indicated disappearance was 22.9 million bushels. Farm stocks of soybeans were 18.0 million bushels. Wheat stocks on June 1, 2019, were 31.3 million bushels, less than 1 percent below a year ago. Approximately 98 percent of wheat stocks were in commercial storage. Fourth quarter indicated disappearance was 9.94 million bushels, 15 percent of supply.

## May Agricultural Prices

Prices received by Michigan farmers for the full month of May 2019 are listed in the table below. Some Michigan highlights were: May corn, at \$3.70 per bushel, increased \$0.09 from April but decreased \$0.13 from last year; May soybeans, at \$8.08 per bushel, decreased \$0.14 from last month

and decreased \$2.02 from last year; May wheat, at \$4.93 per bushel, decreased \$0.32 from April and decreased \$0.05 from last year; May milk, at \$16.80 per cwt., increased \$0.40 from last month and increased \$2.00 from last year.

**Prices Received by Farmers<sup>1</sup> - Michigan and United States: May 2019 with Comparisons**

Commodity	Michigan			United States		
	May 2018	Apr 2019	May 2019	May 2018	Apr 2019	May 2019
Beans, dry edible ..... dollars/cwt	30.90	(D)	30.90	27.50	26.30	24.90
Corn ..... dollars/bu	3.83	3.61	3.70	3.68	3.52	3.63
Hay, alfalfa ..... dollars/ton	160.00	185.00	195.00	189.00	199.00	204.00
Hay, other ..... dollars/ton	145.00	140.00	150.00	122.00	151.00	152.00
Oats ..... dollars/bu	3.46	3.84	3.75	3.14	3.02	3.11
Soybeans ..... dollars/bu	10.10	8.22	8.08	9.84	8.28	8.02
Wheat, winter ..... dollars/bu	4.98	5.25	4.93	5.05	4.86	4.73
Milk, all ..... dollars/cwt	14.80	16.40	16.80	16.20	17.70	18.00

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

<sup>1</sup> Entire month weighted average price.

## Acreage Summary

Planting in Michigan progressed very slowly during April and May due to excessive precipitation. By June 3, planting was well behind last year and the 5-year average for all crops.

Michigan corn growers planted 2.30 million acres, the same as last year and down 50,000 acres from the March Intentions report. Harvested acres of corn for grain were set at 1.95 million acres.

Michigan soybean growers planted 2.10 million acres, down 200,000 acres from last year. Growers expect to harvest 2.09 million acres of soybeans in 2019.

Winter wheat growers planted 550,000 acres in Michigan, up 8 percent from 2018. Harvested acres of winter wheat for grain are anticipated to be 490,000 acres, up 20,000 acres from a year ago.

### Acres by Crop – Michigan and United States: 2017 - 2019

Commodity	Michigan			United States		
	2017	2018	2019	2017	2018	2019
Beans, dry <sup>1</sup>						
Planted .....1,000 acres	220.0	195.0	210.0	2,097.0	2,081.0	1,307.0
Harvested .....1,000 acres	218.5	193.0	206.0	2,022.7	2,016.0	1,259.3
Corn, all						
Planted .....1,000 acres	2,250	2,300	2,300	90,167	89,129	91,700
Corn, grain						
Harvested .....1,000 acres	1,890	1,940	1,950	82,733	81,740	83,595
Hay, alfalfa						
Harvested .....1,000 acres	610	590	570	17,007	16,608	16,828
Hay, other						
Harvested .....1,000 acres	260	220	230	35,770	36,231	35,945
Oats						
Planted .....1,000 acres	55	75	55	2,589	2,746	2,549
Harvested .....1,000 acres	40	50	35	804	865	909
Soybeans						
Planted .....1,000 acres	2,280	2,300	2,100	90,162	89,196	80,040
Harvested .....1,000 acres	2,270	2,280	2,090	89,542	88,110	79,266
Sugarbeets						
Planted .....1,000 acres	144.0	150.0	145.0	1,131.4	1,113.1	1,126.8
Harvested .....1,000 acres	143.0	147.0	144.0	1,113.8	1,095.4	1,105.1
Wheat, winter						
Planted .....1,000 acres	480	510	550	32,726	32,535	31,778
Harvested .....1,000 acres	425	470	490	25,301	24,742	24,924

<sup>1</sup> Beginning in 2019, chickpeas are excluded.

## Michigan Fruit Production 2018

The Michigan apple crop exceeded 1 billion pounds in 2018. Michigan apple production, at 1.05 billion pounds, was up 17 percent from the 2017 crop. The farm level value of utilized production was \$294.4 million. Michigan was the third largest apple producing State in the United States.

Michigan tart cherry production was 201 million pounds, up from 189.2 million pounds in 2017. The farm level value of utilized production was \$37.9 million. Michigan was the

largest tart cherry producing State. The 2018 marketing year average price of \$0.191 per pound was the lowest since 2001.

Blueberry production in Michigan was 70.1 million pounds. Michigan growers harvested 19,700 acres in 2018. The farm level value of utilized production was \$70.2 million. Yields for early and mid-season varieties were average, while yields on later season varieties were very poor.

## Chickens and Eggs

All layers in Michigan totaled 15.8 million during May, up 5 percent from a year ago. Egg production totaled 393 million eggs, up 1 percent from last year. The rate of lay during May was 2,491 eggs per 100 layers. All layers in the U.S. totaled

397.7 million during May, up 2 percent from a year ago. There were 23.6 million turkey poultts hatched in the U.S. in May, virtually unchanged from the previous year.

### Egg and Hatchery Production - Michigan and United States: May 2018 and 2019

Item	2018	2019	Percent Change
<b>Michigan</b>			
All layers .....thousand	15,074	15,767	5
Eggs per hundred layers .....number	2,576	2,491	-3
Eggs produced .....million	388	393	1
<b>U.S.</b>			
All Layers .....thousand	391,773	397,706	2
Eggs per hundred layers .....number	2,362	2,404	2
Eggs produced .....million	9,252	9,561	3
Turkey Eggs in incubators, Jun 1 .....thousand	28,566	27,921	-2
Turkey Poultts hatched, May .....thousand	23,503	23,583	0

## June Hogs and Pigs

Michigan's total hog and pig inventory on June 1 was estimated at 1.25 million head, up 50,000 head from a year ago. Breeding hog inventory, at 120,000 head, remained unchanged from last June. Market hog inventory, at 1.13 million head, was up 5 percent from last year. The average pigs saved per litter for the March to May quarter was 11.00, up 0.1 from the same period last year.

United States inventory of all hogs and pigs on June 1, 2019 was 75.5 million head. This was up 4 percent from June 1, 2018, and up 1 percent from March 1, 2019. This is the highest June 1 inventory of all hogs and pigs since estimates began in 1964.

### Hog Inventory and Farrowings – Michigan and United States: June 1, 2018 and 2019

Hogs and pigs	Michigan			United States		
	2018	2019	Change	2018	2019	Change
	1,000 head	1,000 head	percent	1,000 head	1,000 head	percent
Breeding	120	120	0	6,320	6,410	1
Market	1,080	1,130	5	66,546	69,111	4
Under 50 pounds	310	320	3	21,327	22,019	3
50-119 pounds	290	320	10	19,083	19,606	3
120-179 pounds	220	230	5	13,988	14,427	3
180+ pounds	260	260	0	12,147	13,059	8
Total	1,200	1,250	4	72,866	75,520	4
Sows farrowed, Mar-May	53	54	2	3,100	3,108	0
Pigs per litter, Mar-May	10.90	11.00	1	10.63	11.00	3
Pig crop, Mar-May	578	594	3	32,942	34,177	4
Sows farrowing, Jun-Aug <sup>1</sup>	57	56	-2	3,200	3,185	0
Sows farrowing, Sep-Nov <sup>1</sup>	54	51	-6	3,174	3,175	0

<sup>1</sup> Intentions for 2019.

## July 1 Small Grains Forecast

Michigan's 2019 winter wheat production is forecast at 36.8 million bushels. This report is based on conditions as of July 1, 2019. Some highlights of the Crop Production Report follow:

The Michigan winter wheat yield is forecast at 75 bushels per acre, down 1 bushel from the previous year but up 1 bushel from the June 1 forecast. As of June 30, three percent of the wheat crop was mature, 28 points lower than the 5-year

average of 31 percent. Crop condition at the end of June was rated 44 percent good to excellent, compared with 71 percent at the same time last year.

Oat yield in Michigan is forecast at 67 bushels per acre, up 4 bushels from last year. As of June 30, thirty-five percent of the crop was headed, compared with 63 percent last year and the 5-year average of 70 percent. The crop condition was rated 60 percent good to excellent at the end of June.

## May Milk Production

Dairy herds in Michigan produced 990 million pounds of milk during May, up slightly from a year ago. The daily rate per cow was 75.2 pounds, unchanged from May 2018. The dairy herd was estimated at 425,000 head for May, up 2,000 head from a year earlier. The average price of milk sold in May by Michigan dairy producers was \$16.80 per cwt., \$2.00 more than the price in May 2018.

### Milk Cows, Production, and Price – Michigan: May 2017-2019

Item	2017	2018	2019
Cows .....1,000 hd	427	423	425
Milk per cow ..... lb/day	74.7	75.2	75.2
Production .....mil lbs	989	986	990
Milk price, all .....dol/cwt	15.30	14.80	16.80
Fat test ..... pct	3.66	3.78	3.75
Protein <sup>1</sup> ..... pct	3.09	3.07	3.10

<sup>1</sup> 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!