



Agriculture Across Michigan

Biotechnology Varieties

The use of biotechnology varieties for corn decreased in Michigan in 2018. Biotechnology varieties accounted for 85 percent of the corn acres planted in Michigan, down from 87 percent last year. Soybean plantings included 93 percent biotechnology varieties, down 1 percent from last year.

Nationally, biotechnology varieties of corn totaled 92 percent of the acres planted, unchanged from 2017. 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, 2018, Michigan corn stocks totaled 101.4 million bushels, marginally lower than a year earlier. About 50 percent of the corn was stored on farms. The third quarter disappearance was 52.2 million bushels, compared with 63.9 million bushels a year earlier. Soybean stocks on June 1, 2018, were 24.1 million bushels. That was 3 percent higher than stocks a year earlier. The third quarter indicated disappearance was 19.6 million bushels. Farm stocks of soybeans were 5.8 million bushels. Wheat stocks on June 1, 2018, were 30.9 million bushels, 1 percent below a year ago. Approximately 97 percent of wheat stocks were in commercial storage. Fourth quarter indicated disappearance was 7.1 million bushels, 11 percent of supply.

May Agricultural Prices

Prices received by Michigan farmers for the full month of May 2018 are listed in the table below. Some Michigan highlights were: May corn, at \$3.83 per bushel, increased \$0.09 from April and increased \$0.25 from last year; May soybeans, at \$10.10 per bushel, increased \$0.10 from last month and increased \$0.55 from

last year; May wheat, at \$4.97 per bushel, decreased \$0.04 from April and increased \$0.67 from last year; May milk, at \$14.80 per cwt., increased \$0.30 from last month and decreased \$0.50 from last year.

Prices Received by Farmers¹, May 2018

| Commodity | Michigan | | | United States | | |
|------------------------------------|----------|----------|----------|---------------|----------|----------|
| | May 2017 | Apr 2018 | May 2018 | May 2017 | Apr 2018 | May 2018 |
| Beans, dry edible..... dollars/cwt | 33.80 | (D) | 30.90 | 31.40 | 26.10 | 27.50 |
| Corn dollars/bu | 3.58 | 3.74 | 3.83 | 3.45 | 3.58 | 3.67 |
| Hay, alfalfa dollars/ton | 150.00 | 200.00 | 160.00 | 157.00 | 183.00 | 189.00 |
| Hay, other..... dollars/ton | 120.00 | 160.00 | 145.00 | 127.00 | 124.00 | 122.00 |
| Oats..... dollars/bu | 2.74 | 3.48 | 3.46 | 2.63 | 2.93 | 3.14 |
| Soybeans dollars/bu | 9.55 | 10.00 | 10.10 | 9.29 | 9.83 | 9.84 |
| Wheat, winter dollars/bu | 4.30 | 5.01 | 4.97 | 3.77 | 4.90 | 5.05 |
| Milk, all dollars/cwt | 15.30 | 14.50 | 14.80 | 16.70 | 15.80 | 16.20 |

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

¹ Entire month weighted average price.

Michigan Fruit Production 2017

Fruit production in Michigan for 2017 was down from 2016 for all major fruits. Michigan apple production was 840 million pounds, down from 1.275 billion pounds in 2016. The farm level value of utilized production was \$251.8 million. Michigan was the third largest apple producing State in the United States. A late freeze resulted in a smaller crop.

Michigan tart cherry production was 189.2 million pounds, down from 227.0 million pounds in 2016. The farm level value of utilized production was \$39.7 million. Michigan was the largest tart cherry producing State. Sweet cherry production was 21,300 tons in 2017, down from 22,610 tons in 2016. The farm level value of utilized production was \$16.1 million.

Cultivated blueberry production in Michigan was 102.0 million pounds. Michigan growers harvested 20,000 acres in 2017. The farm level value of utilized production was \$116.4 million.

Michigan grape production was 63,600 tons. The farm level value of utilized production was \$24.1 million. There were 38,800 tons of Concord and 17,700 tons of Niagara grapes processed.

July 1 Small Grains Forecast

Michigan's 2018 winter wheat production is forecast at 42.5 million bushels. This report is based on conditions, as of July 1, 2018. Some highlights of the Crop Production Report follow:

The Michigan winter wheat yield is forecast at 85 bushels per acre, up 6 bushels from the previous year but down 5 bushels from the June 1 forecast. Forty-five percent of the wheat as of July 1 was mature, 19 points higher than the 5-year average of 26 percent. Crop condition at the start of July was rated 71 percent good to excellent.

Oat yield in Michigan is forecast at 59 bushels per acre, which if realized would be a 5 bushel increase from last year. As of July 1, 66 percent of the crop was headed, compared to 59 percent last year and a 5-year average of 72 percent. The crop was rated 79 percent good to excellent at the start of the month.

Acreage Summary

Planting in Michigan progressed rapidly the first half of May, while wet field conditions in the latter half of May slowed planting substantially. By mid-June planting was nearly complete with most of the planted acres emerged. Michigan corn growers planted 2.30 million acres, up 50,000 acres from last year and up 50,000 acres from the March Intentions report. Harvested acres of corn for grain were set at 1.85 million acres.

Michigan soybean growers planted a record high 2.30 million acres, up 20,000 acres from last year. Growers expect to harvest 2.29 million acres of soybeans in 2018.

Winter wheat growers planted 550,000 acres in Michigan, up 15 percent from 2017. Harvested acres of winter wheat for grain are anticipated to be 500,000 acres, up 75,000 acres from a year ago.

Acres 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 | 1,834.0 |
| Harvested..... 1,000 acres | 208.0 | 218.5 | 188.0 | 1,558.1 | 2,012.7 | 1,777.5 |
| 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 |
| Hay, alfalfa | | | | | | |
| Harvested..... 1,000 acres | 640 | 610 | 620 | 16,885 | 16,563 | 17,351 |
| Hay, other | | | | | | |
| Harvested..... 1,000 acres | 230 | 290 | 300 | 36,596 | 37,221 | 37,717 |
| 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 |
| 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 |
| Sugarbeets | | | | | | |
| Planted..... 1,000 acres | 151.0 | 144.0 | 149.0 | 1,163.4 | 1,131.2 | 1,115.8 |
| Harvested..... 1,000 acres | 149.0 | 143.0 | 148.0 | 1,126.4 | 1,114.1 | 1,093.4 |
| 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 | 24,831 |

Chickens and Eggs

All layers in Michigan totaled 15.0 million during May, up 5 percent from a year ago. Egg production totaled 387 million eggs, up 9 percent from last year. The rate of lay during May was 2,576 eggs per 100 layers. All layers in the U.S. totaled 386.3 million

during May, up 3 percent from a year ago. There were 23.5 million turkey poults hatched in the U.S. in May, down 3 percent from the previous year.

Egg and Hatchery Production, May 2018

| Item | | 2017 | 2018 | Percent Change |
|----------------------------------|----------|---------|---------|----------------|
| Michigan | | | | |
| All layers | Thousand | 14,338 | 15,013 | 5 |
| Eggs per hundred layers | Number | 2,473 | 2,576 | 4 |
| Eggs produced | Million | 355 | 387 | 9 |
| U.S. | | | | |
| All Layers | Thousand | 373,642 | 386,301 | 3 |
| Eggs per hundred layers | Number | 2,387 | 2,361 | -1 |
| Eggs produced | Million | 8,918 | 9,122 | 2 |
| Turkey Eggs in incubators, Jun 1 | Thousand | 29,559 | 28,059 | -5 |
| Turkey Poults hatched, May | Thousand | 24,169 | 23,471 | -3 |

June Hogs and Pigs

Michigan's total hog and pig inventory on June 1 was estimated at 1.2 million head, up 90,000 head from a year ago. Breeding hog inventory, at 120,000 head, was up 9 percent from last June. Market hog inventory, at 1.08 million head, was up 8 percent from last year. The average pigs saved per litter for the March to May quarter was 10.90, up 0.4 from the same period last year.

United States inventory of all hogs and pigs on June 1, 2018 was 73.5 million head. This was up 3 percent from June 1, 2017, and up 1 percent from March 1, 2018. 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

| Hogs and pigs | Michigan | | | United States | | |
|--------------------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|---------------------|
| | 2017 (1,000 head) | 2018 (1,000 head) | Change (Percent) | 2017 (1,000 head) | 2018 (1,000 head) | Change (Percent) |
| Breeding | 110 | 120 | 9 | 6,109 | 6,320 | 3 |
| Market | 1,000 | 1,080 | 8 | 64,901 | 67,131 | 3 |
| Under 50 pounds | 290 | 310 | 7 | 20,647 | 21,387 | 4 |
| 50-119 pounds | 240 | 290 | 21 | 18,741 | 19,388 | 3 |
| 120-179 pounds | 245 | 220 | -10 | 13,646 | 14,198 | 4 |
| 180+ pounds | 225 | 260 | 16 | 11,867 | 12,157 | 2 |
| Total | 1,110 | 1,200 | 8 | 71,010 | 73,451 | 3 |
| Sows farrowed, Mar-May | 50 | 53 | 6 | 3,014 | 3,121 | 4 |
| Pigs/litter, Mar-May | 10.50 | 10.90 | 4 | 10.55 | 10.63 | 1 |
| Pig crop, Mar-May | 525 | 578 | 10 | 31,790 | 33,167 | 4 |
| Sows farrowing, Jun-Aug ¹ | 54 | 54 | 0 | 3,121 | 3,170 | 2 |
| Sows farrowing, Sep-Nov ¹ | 53 | 54 | 2 | 3,130 | 3,180 | 2 |

¹ Current year represents intended farrowings.

May Milk Production

Dairy herds in Michigan produced 986 million pounds of milk during May, down 0.3 percent from a year ago. The daily rate per cow was 75.2 pounds, up 0.5 pounds from May 2017. The dairy herd was estimated at 423,000 head for May, down 4,000 head from a year earlier. The average price of milk sold in May by Michigan dairy producers was \$14.80 per cwt., \$0.50 less than the price in May 2017.

Michigan Dairy Summary, May 2018

| Item | | 2016 | 2017 | 2018 |
|----------------------|----------|-------|-------|-------|
| Cows | 1,000 Hd | 418 | 427 | 423 |
| Milk per cow | Lb/day | 73.7 | 74.7 | 75.2 |
| Production | Mil lbs | 955 | 989 | 986 |
| Milk price, all | Dol/cwt | 13.50 | 15.30 | 14.80 |
| Fat test | Pct | 3.59 | 3.66 | 3.57 |
| Protein ¹ | Pct | 3.07 | 3.09 | 3.07 |

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!